

# Lean Continuous Improvement

An ATAC Product Description



## AUBURN

TECHNICAL  
ASSISTANCE CENTER

COLLEGE OF BUSINESS

**Learn to produce more and be more efficient by eliminating non-value-added activities.**

Lean is a systematic approach to identifying and eliminating waste through continuous improvement techniques.

Lean Training is for managers, supervisors, plant managers, team leaders, manufacturing engineers and floor/process personnel.

### Lean Components Include:

- Setup Reduction
- Total Productive Maintenance
- Value Stream Mapping
- 5s
- Pull System / Kanban
- Kaizen Blitz
- Lean Office
- Lean Accounting

## Eliminate waste to improve process flow and efficiency

Whether you are in a manufacturing environment, office or administrative function, and regardless of the type of business you are in, your operation can benefit from Lean Continuous Improvement.

### How Lean Works

A “LEAN Enterprise” produces more with existing resources by eliminating non-value-added activities. Manufacturers are facing increased worldwide competition and the stakes are high. The winners in this competition work to eliminate overproduction caused by traditional scheduling systems and to only make what customers want when they want it.

Lean establishes a systematic approach to eliminating these wastes and creating flow throughout the whole company. It also helps you develop and implement a long-term plan to streamline your operations for success.

Training uses a hands-on approach involving a mixture of your company’s management and staff members.

### Lean Certificate Series

The Lean Certificate Series is a five-day “boot camp” that prepares Lean Leaders. Participants complete this training ready to take on key roles in leading an organization’s implementation of Lean Continuous Improvement. Training consists of:

**Principles of Lean:** A full day of classroom instruction and hands-on exercises in a manufacturing simulation that promotes continuous improvement. Participants are introduced to standardized work, workplace organization, visual controls, set-up reduction, batch size reduction, point of use storage, quality at the source, and work-force practices and pull systems.

**Value Stream Mapping & 5s:** The VSM process consists of identifying value streams/product groups, mapping a current state of material and information flow, assessing waste in the process, and designing an improved process. The 5s system of waste reduction (sort, set-in-order, shine, standardize, and sustain) is the basis of making these improvements.

**TPM & Quick Changeover:** TPM is a Lean-based system applied to equipment maintenance. It focuses on a life-cycle approach using teams to improve availability, performance and quality of critical machines. The four-step change-over improvement process is based on the principals of the Single Minute Exchange of Dies (SMED) system, developed by Shigeo Shingo, to dramatically reduce or eliminate changeover time.

**Pull/Kanban Systems & Cellular Flow:** Pull/Kanban is based on the concept of building products based on actual consumption. The system uses visual signals when parts need to be replaced. Participants learn how to control shop floor inventory and production schedules by implementing pull systems. Cellular Flow is the linking of manual and machine operations into the most efficient combination of resources to maximize value-added content while minimizing waste.

**Sustaining Lean:** The Lean process must be sustained by management and

permeated throughout the organization as a cultural way of doing business. Sustaining Lean teaches how to instill the lean philosophy and techniques into the workforce and prepares Lean Leaders to foster the sustained process of continuous improvement.

### Lean Office

Only about 20% of total lead time results from manufacturing activities. In a Lean manufacturing environment, administrative functions also need to be efficient and free of waste and non-value-added activities in the process.

Through training in Lean Office, gain hands on experience through a live simulation in a traditional office environment. As in a real company, class participants take on the roles such as customers, managers, sales department, and other workers. The simulation exercises alternate with class time where participants will learn Lean definitions and techniques. They will then apply these principles to the office environment using typical simulated office equipment, supplies, forms, and procedures. By days end, each person will gain a practical understanding of how “Lean” continuous improvement techniques can be applied to the office to eliminate waste, gain more capacity from existing operations, and enhance your company’s ability to compete.

### Lean Accounting

Lean Accounting covers the primary areas of: Management Accounting, Target Costing; Value Stream Cost Management.

Lean manufacturing is a new paradigm for the manufacturing industry. It focuses on making products only when a customer expresses a need for one by placing an order. As such it is very different from the mass production methods used by traditional manufacturers.

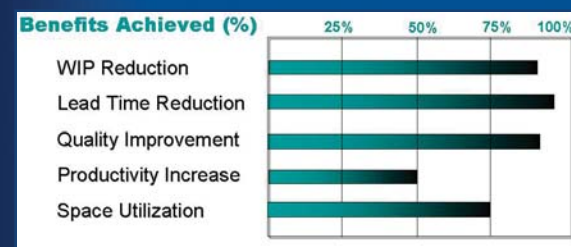
It is hardly surprising then that the accounting and measurement systems that worked in the traditional manufacturing environment would break down under the radically

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### Benefits

- Increase profits
- Increase sales
- Increase productivity
- Improve quality
- Increase customer satisfaction
- Increase employee satisfaction
- Reduce costs
- Reduce inventory
- Reduce cycle time
- Increase capacity
- Improve lead times

### Typical Benefits Achieved Through Lean



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different assumptions and methods of Lean.

Learn why Lean Accounting is important in a Lean Enterprise

Learn new methods to bring an organization’s measurement and accounting processes into line with Lean thinking.

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*Auburn Technical Assistance Center was established in 1976 and is an affiliate of the Alabama Technology Network and an Economic Development Administration University Center. As an Outreach arm of the Auburn University College of Business, ATAC provides business and technical assistance, customized training, and consultation in implementing value-added strategies to manufacturers and other businesses, not-for-profit organizations and government agencies in Alabama and the Southeast.*

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