

# PRINCIPLES OF LEAN MANUFACTURING WITH LIVE SIMULATION

## LEAN 101

Lean is defined as the systematic elimination of waste through continuous improvement. Waste impacts competitiveness, the bottom line, relationships with customers, facilities, and operations. This is entry level workshop promotes the principles of lean and supports sustainability.

## LEAN 101

### WORKSHOP DESCRIPTION:

Lean-101 Basics of Lean provides a practical overview, real-world success stories, and the hands-on tools needed to apply Lean principles to your organization. The focus is on how Lean improves the manufacturing work environment to yield efficiency and improvement.

Participants will learn how to define value from your customer's perspective and identify waste. They will learn about various lean concepts and be able to apply them to simple improvement projects. Individuals are guided through the transformation of an imaginary company - from a traditional manufacturing environment to a lean work environment. Four levels of simulation will be conducted with training and discussion between sessions. A high level of involvement from class attendees is required to maximize learning effectiveness.

- ✓ Reduce cycle time
- ✓ Reduce inventory
- ✓ Reduce floor space
- ✓ Improve cash flow

### THIS COURSE IS DESIGNED FOR:

Company leadership, supervisors, and key line personnel

### LEARNING OUTCOMES:

#### Upon completion of this workshop, participants will:

- Be able to implement proven and dynamic process for waste elimination that build on existing continuous improvement processes and Lean thinking
- Integrate Lean process with existing processes and programs
- Apply Lean tools to savings, value stream mapping
- Earn a Lean 101 Certification upon completion of workshop

### LENGTH:

1 Day/ 8 Hours

**TOPICS:**

Lean 101 is a one-day workshop with live simulation that delivers an entry-level introduction into sustainability. The Live simulation process is utilized to help workshop attendees understand these areas:

**LEAN FACTORY**

**LEVEL I**

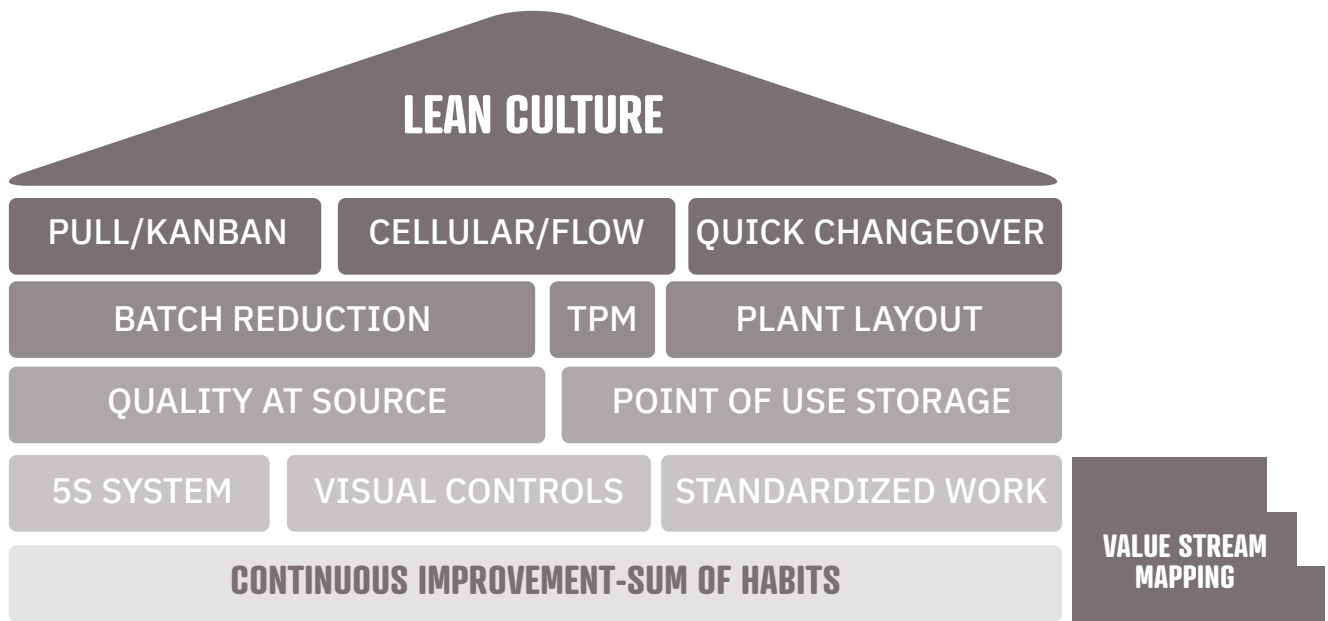
- Work teams
- Workplace Organization (5S)
- Visual Controls
- Point-Of-Use Storage (POUS)
- Layout

**LEVEL II**

- Quick Changeover
- Total Production Maintenance (TPM)
- Batch Size Reduction (WIP)/One-piece flow
- Quality at the Source

**LEVEL III**

- Pull Systems / Kanban
- Cellular Manufacturing / Flow
- Standardized Work



Impact Washington experts are ready to advance the culture of continuous learning and improvement within your organization.

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