



## Lean 101: Principles of Lean Enterprise

### Description

Lecture and hands-on simulations introduce standardized work, workplace organization, visual controls, set-up reduction, batch size reduction, point-of-use storage, quality at the source, workforce practices and pull systems. Participants assemble test circuit boards in a simulated manufacturing setting. Results of the first simulation round provide the setting for continuous improvement applying Lean enterprise principles to reduce the eight wastes.

### Objectives/Topics

- History of manufacturing (evolution of Lean)
- Lean definition
- Eight wastes
- Lean tools
  - 5 S of workplace organization
  - Visual factory
  - Plant layout
  - Batch reduction
  - Quick changeover
  - POUS
  - Standardized work
  - Pull/Kanban system
  - Cellular design
- Benefits of Lean

### Simulation

This course teaches the benefits of Lean by applying tools introduced during the lecture. Each of the simulation's four rounds will consist of participants making improvements and comparing metrics such as lead time, on-time delivery, quality and bottom-line profit.

### Course Length

8 hours

### Class Size

17 to 25 participants

### Cost

- \$5000 to hold at client's facility
- \$295 per person for open enrollment, plus a \$12 per person consumables fee.

**"The simulation was instructional and fun at the same time." Teledyne Brown Engineering**

UAH-ATN • 301 Sparkman Drive • Huntsville, AL 35899 • 256 824-LEAN (5326) • fax 256 824-6970 •  
[www.atnlean.com](http://www.atnlean.com)