

# LEAN 101

**Course/Implementation description:** Lean Manufacturing provides a systematic approach to reducing costs and lead time by continuously eliminating non-value added activities. It promotes continuous improvement, committed management and empowers employees.

By implementing Lean techniques at every level, managers are able to create Lean Enterprises that are increasing the gap between winners and losers.

## Course Outline

### Lean 101 (8 hrs)

- History of Manufacturing.
- Basic Definitions
  - Lean
  - Value-Added Activities
  - Non-Value Added Activities
  - Waste: Overproduction, waiting, transportation, non-value added processing, excess inventory, defects, excess motion, underutilized people
- Continuous Improvement
- Effective Leadership
- Collaboration, Not Competition



The class provides students with the principles of Lean Manufacturing through a combination of classroom lecture, real life examples and simulated manufacturing system. Students participate in four simulation rounds, by building modular airplanes from “Lego” blocks based on a traditional manufacturing company.

\* Training material, handouts and certificate of completion are provided to all participants.

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