

## LE105: Time Wise® Principles of Lean Six Sigma

### Quickly Learn how to Effectively Use Lean and Six Sigma Together to Accelerate Improvement

LE105 is an accelerated learning workshop that conveys the benefits of using Lean in conjunction with Six Sigma to achieve breakthrough business performance. A model of Lean Six Sigma is presented which greatly simplifies how Lean and Six Sigma methodologies work together. Key deliverables include:

- Understand how a Lean Six Sigma approach can increase the effectiveness of each stand-alone methodology
- Understand where the synergy exists between Lean and Six Sigma
- Understand how to coordinate Lean and Six Sigma initiatives to achieve the best results

#### Workshop Overview

Participants are empowered with an understanding of Lean Six Sigma concepts through a series of interactive presentations and team break-out sessions. The concepts are then applied in a live simulation that models a realistic production environment. The hands-on format delivers a number of key “ah ha!” insights that are difficult to acquire through traditional learning methods.

The initial “business as usual” scenario includes high inventory levels, long manufacturing cycle times and poor quality. Participants are challenged to improve the scenario by using Lean and Six Sigma methods to identify and implement high impact improvements.

Teams implement improvements by physically manipulating the simulation. Data that is collected during and after each simulation round is entered into a scoreboard application which displays operational and financial

performance results. Data analysis provides the team with insights needed to uncover the critical factors that influence operational performance. Tools used include:

- Finding critical factors using DMAIC
- SIPOC/cause and effect analysis
- Process charts/process capability

Through a progression of several team sessions and simulation rounds, participants achieve order of magnitude improvements to the scenario:

- Reduced total lead time
- Increased throughput
- Improved on-time delivery
- Reduced variation
- Improved product quality
- Reduced operational expenses
- Increased productivity
- Increased available capacity

#### Key Benefits

- This simulation is designed to empower employees with the fundamental concepts of Lean
- Employees quickly acquire and apply the skills they need to achieve bottom line results.

*[Private label customization available]*

**Target Audience:** Managers and staff

**Number of Participants:** 18 - 20

**Time Required:** 8 Hours

Ask about other Time Wise Simulation Products: *Principles of Lean Manufacturing, Lean Manufacturing for Job Shops, Lean for Shipbuilding and Aerospace, Lean for Process Industries, Lean Supply Chain Management and Lean Healthcare.*

