

Lean for Manufacturing Environments

Eliminate activities and processes that slow production and waste resources.

Lean helps companies identify and eliminate unnecessary activities and processes that slow production and waste money and time. Using Lean, companies can increase production speed and process agility, and reduce costs simply by focusing more on the aspects of their business that matter the most. The concept of Lean is simple yet extremely effective. Organizations in both operational and transactional industries rely on Lean to help keep costs down while maintaining a high quality standard.



“BMGI’s Lean class is well-organized and the material is very well thought out.”

– Steve Cunningham
Black Belt
CAMC

Course Description

BMGI’s four-day Lean for Manufacturing workshop provides a comprehensive introduction to Lean for manufacturing environments. Classroom training combines lectures with simulation exercises to give participants the chance to experience how processes interact, and understand the effects Lean principles can have on a manufacturing environment. Participants set up their own “factories” in the classroom, then use simulation to produce ideal conditions that allow them to meet customer expectations for on-time delivery, lead time and profitability.

Each Lean principle is covered in detail, using real life examples and case studies from successful Lean implementations. The class also sets the stage to implement SCORE™, BMGI’s proven methodology for running Lean Kaizen Events. By the end of the week, participants are ready to walk through a complete Lean implementation plan from start to finish.

Course Specifics

Who Should Attend: Managers, engineers, change agents, Six Sigma practitioners or others who desire an understanding of Lean principles. No previous Lean or Six Sigma experience required.

Course Length: Four (4) consecutive days (30 hours of instruction).

Course Includes: All presented material plus textbook: *Learning to See for Value Stream Mapping*.

Course Requirements: Pre-course suggested reading: *Lean Thinking* by James P. Womack.

CEUs: BMGI is authorized by IACET to offer 3.0 CEUs for this program.

Course Agenda

▶ Day One

- ❑ Introduction to Lean
- ❑ The Lean Roadmap
- ❑ 8 Forms of Waste
- ❑ Identification of Value
- ❑ Value Stream Mapping - I

▶ Day Two

- ❑ Value Stream Mapping - II
- ❑ Pre-events, 5S
- ❑ SCORE™ Overview

▶ Day Three

- ❑ Mistake Proofing
- ❑ Flow
- ❑ Kanban
- ❑ SMED

▶ Day Four

- ❑ Change Management
- ❑ Lean and Six Sigma
- ❑ Product Simulation

KEY LEARNING OUTCOMES

On completion of this course participants will be able to:

- ❑ Improve their response to customers’ quality and cost needs using Lean tools.
- ❑ Understand the differences between mass production and Lean production.
- ❑ Comprehend the concept of waste and its effect on the efficiency of a process.
- ❑ Identify value-added and non-value-added activities.
- ❑ Identify the elements that impact uninterrupted material flow or information flow.
- ❑ Reduce set-up or changeover time for a process.
- ❑ Construct a current and future state Value Stream Map.
- ❑ Employ a roadmap to deploy Lean in any organization.