

Lean 101: Continuous Improvement for Food Manufacturers

Lean Manufacturing encompasses a set of continuous improvement techniques that, when implemented, shorten lead times by eliminating or reducing non-value added activities. Lean concepts have proven to yield true results and improvement in many different industries, but those heavily laden by regulation have been slower to consider this continuous improvement methodology.

An effective approach to capturing the power of Lean is IMEC's signature Lean Simulation. By expanding the capabilities for food manufacturers, food equipment manufacturers, packagers, and distribution, the newly released IMEC simulation is a great introduction for firms ready to execute improvement initiatives. The **Olivia's Organic Pizza Simulation** will take participants through a journey of traditional manufacturing using steps in the Lean Model including discussion and execution of PPE, Current Good Manufacturing Principles, and HACCP. Additionally, the introduction of a monument (freezer) fully demonstrates the complexities of using Lean in a food manufacturing environment.

Simulation Objectives

This full-day program combines a comprehensive classroom presentation with hands-on simulation of a production facility. Participants act as production workers on a pizza assembly, applying the lean tools to their individual workspaces as well as across the entire product line. This learn-do technique illustrates, over four "rounds," the cause and effect relationships of the lean tools presented. Participants review methodology and lessons learned from previous shifts, deciding what and how to implement change while working with realistic constraints such as available resources, cash flow and resistance to change.

Topics Covered

- Traditional Manufacturing
- Defining Lean
- Eight Wastes
- Standardized Work
- Total Productive Maintenance
- Visual Controls
- Workplace Organization (5S+1)
- Plant Layout
- Quick Changeover
- Point of Use Storage
- Quality at the Source
- Pull Systems
- Cellular/Flow Manufacturing
- Batch Size Reduction
- Takt Time
- Work Balancing
- Value Stream Mapping
- Keys to Success

Benefits of the Lean Manufacturing Overview

Participants will learn how to identify the eight wastes in manufacturing and experience how productivity can be improved by applying standard work, visual controls, quick changeover, batch size reduction, point-of-use storage, quality at the source, pull systems and more.

Workshop Details

Duration: 8 hours
Class size: 16 to 21

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