

Principles of Lean Manufacturing

Quickly Learn How to Apply Lean Methods by Participating in a Hands-on Factory Simulation

Principles of Lean Manufacturing in a high volume environment: Using a performance based simulated manufacturing environment, our experts will bring your team from a traditional manufacturing operation to a Lean manufacturing enterprise, eliminating waste and increasing productivity and profitability, allowing you to gain a competitive edge in the marketplace.

Workshop Overview

Traditional manufacturing philosophies stress high utilization of machinery and manpower with less attention spent focusing on cycle time reduction or manufacturing waste. Lean manufacturing focuses on creating greater production efficiencies by implementing value-added activities to minimize waste. By utilizing a performance based learning environment, workshop participants experience a complete Lean transformation and learn how to implement Lean principles throughout their own manufacturing enterprise in the eight-hour workshop and simulation.

Lean implementation focuses on eliminating

- Overproduction
- Wait time
- Transportation
- Inefficient processes
- Inventory
- Motion
- Defects
- Production bottlenecks

Return on Investment

Participants in our workshops have reported significant results after implementing Lean principles in their own enterprises including:

- 90% reduction in lead time
- 85% reduction in work-in-progress
- 85% improvement in quality
- 50% increase in productivity
- 50% reduction in floor space

Learning Objectives

- To experience the frustrations inherent in traditional manufacturing environments
- To participate in applying Lean Principles in a simulated shop floor environment
- To understand the relationship between increased flow of materials, information and products with increased profitability
- To participate in the financial impact of a Time Wise Lean transformation
- Training provided to all employees – shop floor thorough office managers

Target Audience: Managers and staff

Number of Participants: 18 – 20

Time Required: 8 Hours

MassMEP utilizes the Time Wise Solutions training materials for its Lean courses.