

Introduction to Lean Manufacturing

Lean Manufacturing can provide huge savings in efficiency, productivity and profits and has become a standard operational method in many industries. This seminar provides a detailed overview of the principles of lean operations and their applicability to a modern manufacturing environment. This course is designed for organizations that are considering the implementation of lean and as an orientation for new employees in organizations with existing programs.

Hours: 8 a.m. – 4 p.m.

Length: 3 days

Course Objectives

Participants will learn:

- What lean manufacturing is and how it can help improve productivity, efficiency and profits
- The essential components of lean and how they interact in a lean environment
- Key factors for success for each of the lean components.

Who Should Attend:

Managers, executives, quality professionals, engineers maintenance specialists, production team members and others involved in implementation or maintenance of a lean environment.

Related Seminars:

- ISO 9001: 2015
- 5S and Visual Control Systems
- Kaizen Workshops
- Value Stream Mapping and Management
- Total Productive Maintenance



Seminar Content

Lean Overview

- Overview of Lean
- History of Lean
- Benefits of Lean
- Value Streams
- Waste
- The Strategic Connection between Lean Operations and Organizational Success

Components of Lean

- JIT Concepts
- Value Streams and VSM
- Small Lot Manufacturing
- Quick Changeover
- Total Productive Maintenance
- 5S and the Visual Factory
- Kaizen
- Go-See

Value Stream Mapping and Management

- Lean Measures of Process Performance
- Defining the Current State
- Analyzing the Current State
- Developing the Future State

Small Lot Manufacturing and Quick Changeover

- Benefits of Small Lot Manufacturing
- Necessary Conditions
- Quick Changeover Principles and Examples

Total Productive Maintenance

- Importance of TPM
- Components of TPM
- Autonomous Maintenance
- Implementing TPM

5S and the Visual Factory

- Sort
- Straighten
- Scrub
- Standardize
- Sustain
- Creating the Visual Factory

Lean Tools for Process Improvement

- Using Kaizen for Ongoing Improvement
- Go-See: The Importance of Fully Understanding the Process