

LE101: Time Wise® Principles of Lean Manufacturing

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

LE101 is an accelerated learning workshop that conveys the benefits of using Lean in a **make-to-stock** production environment to achieve breakthrough business performance. Key deliverables include:

- Understand the business case for enterprise-wide improvement as a way to profitably meet rising customer expectations in a globally competitive market
- Understand how Lean methods can simultaneously reduce total lead time and operational costs while improving service and quality

Workshop Overview

Participants are empowered with an understanding of Lean concepts through a series of interactive presentations and team activities. The concepts are then applied in a live simulation that models a realistic factory characterized by high volume assembly line operations. The hands-on format delivers a number of key “ah ha!” insights that are difficult to acquire through traditional learning methods.

Participants work together to build and deliver products via their roles in the simulation. The initial “business as usual” scenario includes high inventory levels, long manufacturing cycle times, poor quality, an inaccurate forecast and long travel distances between operations, all of which contribute to late customer deliveries.

Participants are challenged to improve the scenario by implementing Lean methods. Teams implement improvements by physically manipulating the simulation which reinforces

the group’s real-time team building and problem solving skills. Data that is collected during and after each simulation round is entered into a scoreboard application which graphically displays operational and financial performance results.

Through a progression of 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:
*Lean for Job Shops, Lean for Shipbuilding and Aerospace,
 Lean for Process Industries, Lean Supply Chain
 Management, Lean Six Sigma and Lean Healthcare.*



LE201: Time Wise® Value Stream Mapping Event

Use VSM's to Identify High Impact Improvement Opportunities in Your Business

LE201 is a Lean implementation event that involves creating a Value Stream Map (VSM) which is a tool that delineates and analyzes the flow of materials and information required to bring a product or service to a customer.

- A VSM provides a way to visually see the entire enterprise in order to quickly identify wastes and performance bottlenecks

The methodology systematically takes your company from its current state of operations to a dramatically improved future state.

Learn to—

- Draw a current state VSM that shows delay and wastes in information and shop floor flows
- Draw a future state map that shows the desired flows
- Create a continual improvement plan to prioritize actions that lead towards the newly established future state map

Key Features

- A VSM kit that contains all materials to successfully facilitate an event, including train the trainer materials, participant guides, and icon-based process mapping tools
- An educational component that facilitates knowledge transfer of the VSM methodology to participants
- Access to Internet and client-site business technologies that provide a centralized team workspace for every VSM event

- Team services include event management tracking, document collaboration, library of reference materials with document templates and real-time performance monitoring

Key Benefits

- Understand the business case for using a strategy-focused approach to operational improvement
- Rapidly identify and prioritize high impact improvement opportunities
- Define baseline performance measures and monitor for sustainment
- Promotes standardized best practices throughout your organization
- Promotes a holistic approach to performance improvement that is more effective than fragmented approaches

Deliverables

- Event “roll up” report for management that includes electronic VSM maps and a continual improvement plan
- Current state map
- Future state map (ideal process)
- Prioritized list of high impact improvement opportunities
- Implementation plan for Kaizen Rapid Improvement Event (LE202)

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



LE202: Time Wise® Kaizen Rapid Improvement Event

Accomplish Performance Improvement in Days Rather than Months and Sustain the Gains

LE202 is a Lean implementation event that involves a series of activities which follow a structured 10-step process enabling a team to achieve **rapid, action-oriented improvements** identified during the Value Stream Mapping Event (LE201).

Specifically, the Kaizen event addresses individual problem areas identified by Process Mapping, using the industry standard Plan-Do-Check-Act problem-solving model.

Learn to—

- Solve priority problems identified by VSM
- Bridge current state and targeted future state

Use intervention techniques to—

- Reduce production lead time, inventory, and cost
- Increase available capacity
- Decrease area footprint
- Reduce order lead time
- Reduce material and operator travel distance

The 10-step Kaizen process is a data-driven method of focusing on identifying and resolving specific problems related to the desired future state. Once these problems are identified and resolved, typical results are—

- 50% improvement in productivity
- 85% improvement in quality

Key Features

- A Kaizen facilitator certified by the Time Wise Institute

- All the materials needed for a successful Kaizen event are supplied — includes a complete set of forms, guides, and detailed “how to” instructions
- An educational component that facilitates knowledge transfer of the Kaizen methodology to participants
- Access to Internet and client-site business technologies that provide a centralized team workspace for every VSM event
- Team services include event management tracking, document collaboration, library of reference materials with document templates and real-time performance monitoring.

Key Benefits

- Effectively implement and sustain high impact improvement opportunities
- Accomplish in days what other methods take months to get done
- Reduce production lead time, inventory and cost
- Increase available capacity without additional capital investment
- Increase productivity and product quality at the same time

Deliverables

- Comprehensive roll-up report for management
- Kaizen storyboard (improvements)
- Continuous improvement plan for sustaining improvements

Ask about other Time Wise® Products:

Principles of Lean Manufacturing, Lean for Job Shops, Lean for Shipbuilding and Aerospace, Lean for Process Industries, Lean Supply Chain Management, Lean Six Sigma and Lean Healthcare.

