



CONTINUING EDUCATION

Value Stream Mapping

CEQAL 582

Value Stream Mapping is a tool used to create a material and information flow map of a product or processes. This powerful tool allows companies to map the flow of products in the back door as raw material, through all manufacturing process steps and off the loading dock as finished product. This is the Value Stream. You begin the journey with the current state map – it shows you where you're going and how you're going to get there. Based on your Value Stream Map, you can streamline work processes, thereby cutting lead times and reducing operating costs.

Who Should Attend: All employees responsible for quality and productivity improvements and employees that participate in process improvement efforts.

Prerequisite: None

CEU'S Credits: 0.8 - 1 day course

Course Description: During this workshop you use the powerful Value Stream Mapping (VSM) tool to create a current state map for Acme Stamping, a real-world firm featured in a detailed case study. Use the FSM icons and learn common language of Lean as you draw your current state map for Acme. Next, you analyze Acme's current state, find the non-value added activities, and then draw a future state map for Acme that eliminates those activities. You also develop a plan for attacking those non-value added activities.

Benefits:

- "See the flow" of your value stream and wastes in the flow
- View all products from a system perspective
- Draw both material and information flows of your value stream
- Prioritize activities needed to achieve the Future State

Course Content:

Workshop Introduction & Getting Started

- Value Stream Improvement & Process Improvement
- Using the Value Stream Mapping Tool
- Focus on one Product Family

The Current State Map: Exercise 1

- Current State Drawing
- “ACME” Stamping Case Review & Data Set
- Team Tips for Current State Mapping

What is a Lean Value Stream?

- Future State Drawing
- Mass Production: What’s wrong with “ACME’s” Value Stream?
- Waste
- Overproduction
- Individual Efficiency vs. System Efficiency
- TAKT Time and Cycle Time
- Build to Supermarket or Build to Shipping?
- Continuous Flow Processing
- Problem Points in the Flow
- Supermarket Pull System
- Try to Schedule Only One Point
- Mixed Production at the Pacemaker
- What Happens to a Lean Flow...
- Paced Withdrawal at the Pacemaker

The Future State Map: Exercise 2

- Future State Questions
- Future State Icons
- Where is Continuous Flow Possible?
- Team Tips for Future State Mapping

Achieving the Future State

- A Plan to Get There
- Value Stream Loops
- Value Stream Plan
- Value Stream Review

Conclusion

- Implementation via Point Kaizen
- Summary of Value Stream Mapping Benefits

A certificate of completion will be issued at the close of the course.