



Lean Operations

Course Description

Lean Operations are those that have strived to eliminate waste from their business processes. Waste occurs in places other than just scrap and rework. Waste includes anything that is not adding customer value. This program is designed to teach and apply the principles of Lean Manufacturing in both the manufacturing environment and in the administrative support functions including scheduling, planning, purchasing, quality, service, and engineering.

The course is structured around two primary elements. The first is classroom teaching on Lean principles and tools. The second is on-site coaching of “Lean Teams” as they apply the tools to a current business process. The course normally consists of ten days, spread over a period of eight weeks. Classroom training and application coaching will each require five days. The course duration is flexible and can be adjusted to work around other business events.

The classroom training is based upon the five principles of Lean: Value, Value Stream, Flow, Pull, and Perfection. Value focuses the Lean Team on the customer using the tools of Value Definition and Target Costing. Value Stream uses the tools of Value Stream Mapping to understand the business process. Flow analyzes the Value Stream Map using 12 different tools that have proven their effectiveness for identifying and eliminating waste. Pull couples the process output to the customer through Constraint Management tools. The final principle of Perfection takes the team into the areas of problem solving and continuous improvement.

The application coaching consists of the instructor meeting with the Lean Team and reviewing their progress. The instructor assists them in the application of the tools to their process. There will be a series of meetings over the eight weeks to ensure the team is properly applying the tools and identifying and eliminating waste.

Topics Covered

- Lean Theory and Principles
- Customer Value Techniques and Applications
- Process Analysis Techniques and Applications
- Constraint Management
- Problem Solving
- Team Facilitation