

LEAN & SIX SIGMA IN PRACTICE

IMPACT ON THE ORGANIZATION

The global marketplace is transforming traditional industries, and applying relentless pressure to root out waste and even the smallest inefficiencies. For manufacturing companies to survive, they must systematically examine and optimize their manufacturing processes and engage the entire workforce in continuous improvement. The disciplines of Lean Manufacturing and Six Sigma offer powerful techniques for doing so. This highly interactive program teaches the use of the major principles and tools with a series of case studies and practical applications to real-world processes. Participants work in teams on real projects related to their areas of responsibility. It prepares managers and individual contributors to lead initiatives that improve quality and reduce costs and launch and sustain continuous improvement.

AT THE END OF THE PROGRAM PARTICIPANTS CAN:

- Describe Lean & Six Sigma methodologies
- Determine the Voice of the Customer
- Select a worthy project & create a charter
- Prepare a SIPOC chart (Supplier, Input, Process, Output, and Customer)
- Identify project metrics, measurement plan
- Develop a Value Stream Map
- Develop project schedule
- Determine methods for managing, leading, and motivating a LSS team
- Apply basic Lean tools – waste, 5S, visual controls, kanbans, process balancing
- Apply basis SS tools – histograms, Pareto, Charts, scatter plots, cause/effect diagrams
- Complete team project and present findings and suggestions

TIME INVESTMENT: 28 - 32 hours

CUSTOMIZATION

This program can be customized to reflect your organization's procedures, policies, cases, examples, and terminology. It can also go more in depth in certain areas, if needed.

This program helps *managers* understand how to build lean systems and engage their teams in support of these systems and in continuous improvement efforts. Managers learn how to assess their organization; identify areas of greatest opportunity for improvement; and set effective direction for their organization.

For *individual contributors*, the program provides the knowledge and skills to become actively involved in continuous improvement efforts. It also improves their skills for communicating and working with a team and gets them more engaged in the business.

