



PLLCC – Lean Leader Certification course

This course is designed for in-house delivery and runs for 5 days. But the delivery can also be split in to 2 lots of 3 and 2 days.

This is a hands-on practical course where in the participants will:

- Learn ALL they need to know about Lean and how to apply Lean in their work areas successfully
- Learn thru simulations, games, videos and discussions;
- Complete a Lean Assessment
- Draw current and future state Value Stream Maps
- Develop a strategy to implement Lean
- Work on a 90 day workplace project and upon successful completion will be awarded a “**Lean Leader**” certificate.

The course covers the following topics:

Introduction to Lean Implementation and Value Stream Mapping (VSM)

In this interactive learning experience, participants will learn a specific sequence of steps and initiatives comprising a lean manufacturing action plan that real leaders in real companies can deploy. The course introduces participants to the concept of value and value stream.

Value Stream Mapping is a powerful tool for analyzing information and material flow throughout an organization or between organizations and identifying and planning improvements. In this course, you will learn how to effectively identify and eliminate waste and sources of waste in your organization. Participants in the class will work through a case example. Based on the case example discussed, they will create a current state map for their organisation, analyze the current state map, and identify opportunities for improvement.

Creating a Visual Factory and Mistake Proofing (Poka-Yoke)

This course will teach the principles of process Kaizen. Process Kaizen events are highly focused continuous improvement activities that can be used to launch 5-S, TPM, Set-up Reduction/Quick Changeover, and/or Cellular Flow implementation projects. This course will teach you how to implement a kaizen activity and will focus on the process kaizen tools of 5S, visual controls, Problem Solving / Root Cause Analysis and Mistake Proofing.

The key elements of a Visual Factory are: a) Work Place Organization and Standardization - 5S b) Visual Display- sharing information c) Visual Controls- prevent defects and errors.

The participants will learn and plan to implement a kaizen event in their workplace which could be the project for Lean Leader Certification.



Total Productive Maintenance (TPM)

This course will teach the principles of Total Productive Maintenance. TPM and SMED are two essential ingredients in a lean manufacturing program. The TPM system addresses production operation with a solid, team-based proactive program. It helps eliminate losses from breakdowns, defects, and accidents and improves Overall Equipment Effectiveness (OEE).

Quick Changeover (SMED) and Creating Continuous Flow

The SMED system for quick changeover is a three-phase system aimed at reducing changeover time on equipment; this allows for smaller batches and less inventory throughout the value stream. Participants will learn how to reduce changeover times using the SMED concept.

In the second part, participants will learn how to design manufacturing cells for true one-piece flow. The course is comprehensive in that it covers all facets of this discipline: understanding takt time, physical layout, analyzing standard work and creating standard work charts, line balancing, load-levelling, introduction of pull systems such as Kanban, and more. Participants will work through case examples. They will design cells and work through necessary calculations and analysis. Skills will be immediately applicable to the "real world."

Creating a future state VSM, Developing a strategy for Lean Implementation, Leading Change and Developing Lean Culture

Participants will create a future state VSM for their organization based on the opportunities identified on day 1 and various concepts they have learnt. Once this is done, they will develop a strategy for successful Lean implementation using Hoshin Kanri or Policy Deployment. This course also covers how to lead and manage the change successfully.

Participants will be asked to prioritize the opportunities identified through VSM and the Lean assessment and will be asked to fill in a Project Charter for their workplace project. The project charter will have to be approved by their CEO/MD/GM before the project can be started in the workplace.

Targeted Audience: Managers, Supervisors, Team Leaders and Technical personnel who will be leading the teams implementing Lean in their workplace.

This workshop can also be linked to the unit standards. Please contact for more information.

Contact Productivity Institute to book your workshop(s) or for further information