

Lean Construction Certification Program (LCCP)

Module I – Initiating the Change to a Lean Culture

Learning Objectives

- To understand the principles of Lean world class process design
- To experience, within the context of a simulation, the transformation of the performance of a construction process through the application of Lean, world class principles, tools and techniques

Course Description

This foundation module introduces participants to the principles which underpin Lean, world class processes. It uses a number of the key tools and techniques employed within the most successful organizations. The lessons are driven home through a simulation exercise which gives participants the opportunity to create their own Lean, world class experience.

Course Contents

- Sticklebrick simulation exercise
 - » Round one: getting it right first time
 - » Round two: eliminating the waste
 - » Round three: Mistake-proofing and standardization
- Review of key lessons and their applications

All the modules are highly interactive, workshop-based learning experiences. They are designed to maximize the transfer of knowledge by carrying out hands-on exercises under the guidance and coaching of the course tutor. Although they are all based on a half-day timescale, the modules are sufficiently flexible to be easily extended to whole days by increasing the time spent on practicing the tools and techniques involved.