

Lean Construction Green Belt

At LBSPartners we understand that with Lean Construction thinking embedded in your organisation, you can enhance value and reduce waste at all stages of the construction process. All relevant sections of the process including design, tendering, administration and the actual physical build, offer opportunity for improvement through collaboration. Lean moves away from traditional approaches to construction management and instead focuses on the efficiency and quality of service provided to the client. Lean Construction nurtures a culture of continuous improvement in your people that will be sustained across successive projects. “Lean Construction delivers best possible outcomes for you and your clients”

Participants are taught to identify and expose the opportunities presented by the waste in businesses. Central to the programme is practical instruction in powerful Lean tools & techniques: Last Planner, Value Stream Mapping and Target Value Design.

Duration

This programme will be delivered over the course of 5 workshops days, plus additional mentoring days for the projects selected. Typically, the classroom training will be delivered over three months, day one and two consecutively, followed by a three-week period between the remaining days.

Option 1: LBSPartners

Upon successful completion of the training and in-company project, all learners will be accredited with an LBSPartners certification. There is no additional charge for this certificate.

Option 2: University of Limerick (UL)

This training course is recognised by the University of Limerick. Upon successful completion of the training, in-company project and personal reflection, learners will be accredited with a level 8 (undergraduate) certificate or 6 ECTS credits. Additional costs are applicable

Lean Construction Green Belt Course Details

In Company Project

Each participant is required to put their learning into action through the completion of an improvement project. Projects will be completed using the A3 template, covering the structured problem-solving process of Lean. Allowing participants to demonstrate their grasp of Lean Construction principles, tools and best practice.

Outcomes from these projects will be used to demonstrate return on investment to the client companies. Further furnishing the positive impact of the programme and the learning of participants.



Day 1	Day 2	Day 3	Day 4	Day 5
Introductions Objectives Lean Fundamentals Lean Sigma Overview Lean Simulation 8 Wastes in Construction Takt Time & Cycle Time	Lean Construction Overview DEFINE PHASE Problem selection & scope Define overview A3 introduction Process mapping MEASURE PHASE Check sheets Run chart Pareto chart A3 Case Study	MEASURE PHASE Histogram Measurement basics Metrics table Variable & Attribute data ANALYSE PHASE Root cause analysis Cause & effect diagram 5 whys Interrelationship digraph Scatter diagram 6S workplace Organisation Visual management	PIT Process IMPROVE PHASE Team & Teamwork A3 Case Study IPD Value Stream Mapping Standard Work Set up time reduction	CONTROL PHASE Mistake proofing Kanban & Last Planner Kaizen Lean Transformation Framework A3 Case Study Wrap-up

Mentoring Support Plan

Delivering an improvement project will be the key outcome of this programme. With mentoring participants to 'learn as they do', delivering on their construction focused project objectives through structured learning. The mentoring sessions are used to achieve the following:

- Meet owner / key managers on the site to scope out the project(s).
- Provide support and feedback to members of the project team.
- Complete the assignment with a team presentation to the management team.