# LCi Green Belt

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| **DURATION:** | 5 Days |
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| **ACCREDITATION:** | Lean Construction Ireland |
| **COURSE CODE:** | 1041 |

## AIM:

The primary aim of the LCi Green Belt Course is for Client & AECFM participants to be able to manage and deliver sustained CI initiatives internally and/or apply Lean in Capital Project Design & Delivery.

## OBJECTIVES:

At the end of the course, learners will be able to:

- Lead and manage overall process performance and improvements through LPS and Lessons Learning.
- Lead the implementation and sustaining of process improvement in the broader work area/site.
- Apply systems thinking and right-first-time in customer and supplier relations.
- Lead cross-functional process improvement teams that encompass multiple processes and stakeholders.
- Conduct lessons learned sessions and deliver A3 improvement initiatives on complex problems.
- Coach and Mentor Yellow Belt CI initiatives.

## THIS PROGRAMME IS FOR:

This programme is aimed at personnel that lead small to medium improvement teams, and who work continuously to improve the business processes, including, but not limited to:

- ☀ Contract Managers
- ☀ Procurement
- ☀ Project Managers
- ☀ Quality Assurance
- ☀ Quantity Surveyors
- ☀ Engineering and Design personnel
- ☀ Schedulers
- ☀ Site Managers

## PROGRAMME CONTENT:

**Day 1:**

- ☀ Course Overview and Certification Requirements
- ☀ Why Lean in Construction
- ☀ Integrated Project Delivery (IPD)
- ☀ Choosing by Advantages (CBA)
- ☀ A3 Problem Solving (part 1)
- ☀ Process Mapping
- ☀ Continuous Improvement Project (CIP) Overview

**Day 2:**

- ☀ CIP Roundtable
- ☀ Target Value Delivery (TVD)
- ☀ Set-Based Design (SBD)
- ☀ Graphical Tools
- ☀ Root Cause Analysis

**Day 3:**

- ☀ CIP Roundtable
- ☀ Last Planner System (LPS)
- ☀ Takt Planning

**Day 4:**

- ☀ CIP Roundtable
- ☀ A3 Problem Solving (part 2)
- ☀ Error Proofing
- ☀ Material System and Kanban

**Day 5:**

- ☀ CIP Roundtable
- ☀ Quality and Cost of Quality
- ☀ Team Working
- ☀ End-of-Course Roundtable: Key Takeaways on CI Culture and Practice
- ☀ Course Certification and Course Close

| **ASSESSMENT:** | For Green Belt certification, each candidate is required to: Attend all training days |
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1. Complete the following 2 assessments:
   a) **Reflective Learning Log**
   b) **Assessment: Skills Demonstration through a Project**

**GRADING:**

Certification is based upon completion in full of the LCi Green Belt Course Training <u>and</u> submission of the Green Belt CIP and Reflective Learning Log in the pre-formatted CIP Pack template provided.

Upon successful completion in full of the LCi Green Belt Course, Participants will receive a *Lean Construction Ireland Green Belt Certificate Of course Completion*

**PROGRAMME DELIVERY:**

- **Classroom:**
  * Days 1 & 2 are taken consecutively in Week 1
  * Day 3 is taken in Week 3
  * Day 4 is taken in Week 5
  * Day 5 is taken in Week 7

**TOTAL DURATION OF THE PROGRAMME INCLUDES:**

**Classroom Training:** 5 Days

**Self-Directed Learning:** 48 hours

**CERTIFICATION CRITERIA:**

The learner completes a project that demonstrates the learners understanding of each topic completed during training and how it applies to a real work example. Ideally the project should be relevant to your current or previous work environment. The project is presented as a presentation using the PowerPoint template provided at the start of the programme. The project shows evidence of relevant reading for the project and include the bibliography.

An assignment brief is provided at the start of training programme.

**CERTIFICATION BODY:**

Lean Construction Ireland (LCi)

**RECOGNITION OF PRIOR LEARNING (RPL):**

Not Applicable

**PRE-REQUISITE:**        To be confirmed by LCi

## OTHER COURSES OF INTEREST FROM THE CLS TRAINING ACADEMY:

- ☀ Last Planner® System
- ☀ 5S
- ☀ Scrum Training
- ☀ A3 Problem Solving
- ☀ Human Error Problem Solving
- ☀ Effective Presentation Skills
- ☀ Team Dynamics
- ☀ Professional Certificate in Project Management