

# Lean Six Sigma Full Certified Green Belt

## Lead Improvement Projects Effectively

PMI's Lean Six Sigma Full Certified Green Belt training teaches the tools and techniques of process improvement within a structured methodology. Delegates share their experiences of application as the training proceeds and they leave with an understanding of the importance of appropriate team processes in achieving and maintaining the improvements.

Taking part in PMI Lean Six Sigma Full Certified Green Belt Training ensures delegates will:

- Understand their role in leading and supporting lean, six sigma, process, improvement, variability reduction and standardisation
- Apply the approach with individuals and teams in the workplace and improvement projects
- Challenge the current practices and offer alternatives
- Understand techniques for identifying and removing waste from processes
- Understand charts for displaying, understanding and reducing variation
- Start developing their personal learning in leading, participating and supporting process improvement, and be aware of some wider issues in their organisation.

### What's included?

- ✓ Pre-course webinar with the course tutor and other delegates
- ✓ 12 month access to the Online Yellow Belt & the Lean Essentials Series
- ✓ 12 month access to the Essential Tools for Improvement Series
- ✓ A copy of The Project Leader's Handbook of tools and techniques
- ✓ Online e-Exam
- ✓ A follow-up project status review call

This two module programme teaches the best process improvement, Lean and Six Sigma tools/methods and their application using our powerful Improvement Cycle. Suitable for anyone looking to generate business improvements in areas such as customer satisfaction, service delivery, cost control, process performance, new product introduction to name but a few. Understanding why and how things vary is at the heart of our approach; empowering you to make informed decisions when tackling change.

*“The green belt workshops have been the best learning experience I have ever had.”*

### How long does it take?

2 modules of 5 days split by about a month

### What are the benefits?

Gain a thorough foundation for improving and managing work processes.

Be equipped to provide guidance and advice to improvement teams

Be able to lead or participate effectively in improvement projects

Build facilitation skills to enable effective and sustainable improvement

### Who should attend?

Managers and staff involved in business improvement at all levels and functions of any organisation.

### How can I do it?

As an in-house programme in your company/organisation

As part of our public training programme in London, Birmingham, Manchester, Dubai or Doha.

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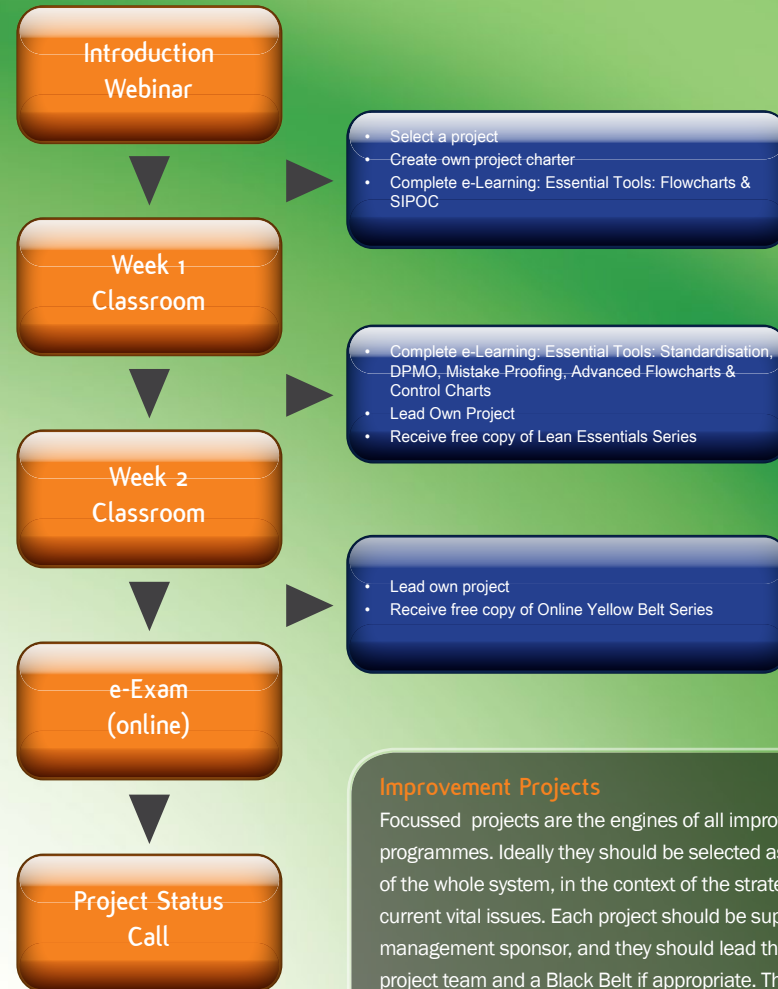
## Week 1

- Introduction to Lean Six Sigma
- The roles of black belts and other key players in the lean six sigma programme
- Process improvement learning cycles and other models to support improvement projects (PDSA, Improvement Cycle, DMAIC)
- Linking a learning philosophy to process improvement
- The role of chartering and contracting in project selection
- Teamwork, components and clarify team role and responsibilities including that of facilitation
- Executive and champion reviews
- Developing the business case, balanced scorecard and dashboard
- SIPOC and flowcharting
- Identifying waste in a process
- Concept of value added and the value proposition statement
- Control Chart foundations
- Tools for displaying variation within a process
- Difference between stable and unstable processes and appropriate action process performance
- Value stream mapping
- Removing waste from a process
- Creating smooth and even flow in a process
- Balancing the work
- Workspace organisation
- Visual management
- Process standardisation
- Strategies for developing lean process

## Week 2

- Control charts for a wide range of situations and data types:
  - Individuals and Moving Range
  - Deviation from aim
- Process capability
- Effects of non-conformance using the Taguchi loss function and the importance of setting the process aim
- Root cause analysis (cause effect diagram & 5 Whys)
- Pareto, scatter and stratification
- Impact of measurement systems on variability
- Using data to verify theories
- Idea generation
- Implementation small and large scale
- Introducing change
- Introduction to process management (operational excellence).

## Course Structure



**Improvement Projects**  
 Focused projects are the engines of all improvement programmes. Ideally they should be selected as a result of analysis of the whole system, in the context of the strategic goals and current vital issues. Each project should be supported by a senior management sponsor, and they should lead the selection of the project team and a Black Belt if appropriate. The sponsor (or champion) should oversee the implementation of the project under its leader, helping the leader to overcome organisational barriers and keeping open the communication with the steering team and other projects.

*“It is a great way to gain understanding about how an organisation should be addressing its problems and increasing its efficiency”*

Find out more and book online at [www.pmi.co.uk](http://www.pmi.co.uk) or call us on +44 (0)1676 522 766