



Lean Six Sigma Green Belt

Lead Improvement Projects Effectively

PMI's Lean Six Sigma 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 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
- 24 month access to the Online Yellow Belt
- 24 month access to the Essential Tools for Improvement Series
- Full Reference Manuals
- A copy of The Process Manager 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 skill 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 and Doha.

Week 1

- Introduction to Lean Six Sigma
- The need for organisational cultural change and the process to make it happen
- Customer focus and affect on organisations
- Understanding and listening to the voice of the customer
- 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)
- Six sigma metrics including defects per million opportunities
- 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
- Tools for displaying variation within a process
- workspace organisation
- Identifying waste in a process
- Difference between stable and unstable processes and appropriate action process performance and capability
- Shape, centre and spread of variation and the effects of tampering
- Control charts for a wide range of situations and data types:
 - individuals and Moving Range (XmR)
 - deviation from aim

Week 2

- Control charts
- Mean and range (X-bar and R)
- Value stream mapping
- Removing waste from a process
- Creating smooth and even flow in a process
- Balancing the work
- Effects of non-conformance using the Taguchi loss function and the importance of setting the process aim
- Measurement process
- Pareto, scatter and stratification
- Impact of measurement systems on variability
- Using data to verify theories
- Mistake proofing
- Implementation small and large scale
- Introducing change
- The place of process standardisation at the start and end of the improvement cycle
- Strategies for developing lean process

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.

Add a multi-session coaching package to a classroom course and maximise the business benefits of your improvement project.

“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 or call us on

+44 (0)1676 522 766