

Lean Six Sigma green belt training

How long does it take?

2 modules of 5 days split by about a month

What are the benefits?

Be equipped to provide guidance and advice to improvement teams

Be able to participate effectively in improvement projects

Gain facilitation skill to enable effective improvement

Who should attend?

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

How can I do it?

As an in-house programme in your company/organisation

As part of our public training programme in the Midlands or London

"The green belt workshops have been the best learning experience I have had."

Transforming goals into results

Overview

PMI 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

Many of our clients have used this role, and this training process, as the introduction to process improvement lean and six sigma for their managers and staff. Besides people who have been carefully selected for their role as an improvement project team leader, all local directors and facilitator/leaders whose job includes process improvement and management should attend. Delegates often come from every part and function of an organisation.

Lean six sigma projects

Improvement projects are the engines of lean six sigma programmes. They should be selected by the steering team as a result of analysis of the whole system, in the context of the strategic goals and current vital issues. Their successful implementation is a critical part of achieving the business case. Champions are identified for each lean six sigma project and they lead the selection of the project team and the black belt. The champion oversees the implementation of the lean six sigma project under its leader, helping the leader to overcome organisational barriers and keeping open the communication with the steering team and other projects.

"I would certainly recommend the programme to anyone and particularly encourage supply areas to understand the principles of a system"

The course uses lectures, group exercises, simulation, webinars and e-Learning to ensure a firm grasp of lean six sigma methodology, tools and techniques. After completing the course delegates have the option to complete the online Green Belt e-Exam. Also included in this course is 24 month access to our industry leading Online Yellow Belt e-Learning suite (usual RRP £199).



Content

- introduction to lean six sigma
- the need for organisational cultural change and the process to make it happen
- customer focus and affect on organisations
- 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 include 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 roles 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
- 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
 - 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
- process performance and capability
- effects of non-conformance using the Taguchi loss function and the importance of setting the process aim
- measurement process
- stratification and case study
- process capability
- 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 processes

All green belt delegates can continue at a later date to convert their green belt qualification to the PMI six sigma black belt level through a two-week training process and a project/examination.

Contact us for more information on our full range of six sigma programmes or to book your place:
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