

Lean Six Sigma Black Belt Conversion

Introduction

Lean and Six Sigma, both proven business improvement approaches, provide businesses with the ability to maximise customer, employee and shareholder value by minimising process variation and waste. This eight day course provides the experienced Green Belt with the necessary tools and techniques to manage improvement resources to deliver major projects. The hand-on learning experience that develops both the technical knowledge and personal skills. The course uses a blend of theory and practical exercises to ensure that participants have the confidence and capability to deliver more complex business improvement projects and transformations.

Objectives

This eight day course, ran as two 4 day sessions, will enable delegates to become self-sufficient process improvement practitioners with the capability to analyse opportunities and deliver solutions:

- Scope improvement projects including the development of charters.
- Determining and managing stakeholder requirements.
- Further develop their in-depth understanding of qualitative and quantitative tools to measure and analyse business process.
- Apply lean principles to determine customer value, determine value streams, understand flow develop pull systems and ensure perfection.
- Identify, quantify and select the most suitable solutions.
- Control business processes and understand process change through the use of SPC and change management skills
- Manage and mentor Green Belt projects and resources

Course Content

- Cost of Poor Quality
- Stakeholder analysis and mapping
- Communications plan
- Kano analysis
- Critical to quality
- Quality function deployment
- Project management and tracking
- Work measurement
- Confidence intervals
- Process capability
- Hypothesis testing
- Data manipulation
- Simple, multi-linear, best-subsets and logistic regression analysis
- MSA theory and MSA in Minitab
- Sampling theory, plan, size and risk
- Design of experiments overview, techniques and pitfalls
- Solution assessment
- Benefit realisation plans and validation
- Roles and responsibilities
- Facilitation skills
- Kaizan events
- Level scheduling
- 5S Analysis

Who should attend?

Experienced Green Belts who want to enhance and apply their skills to larger more complex projects. Delegates must have completed Green Belt Practitioner (LS103) or Green Belt Practitioner Conversion (LS106). Delegates should, ideally, have a project identified to complete post-training.

Follow on courses

Lean Six Sigma Master Black Belt (LSS109)

Further information

Please contact Denis Mahoney at Business Transformation (Training and Coaching) on 07766 333294 or be email at denis.mahoney@business-transform.co.uk.