

Lean Six Sigma Practitioner Green 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 seven day course provides delegates with the necessary tools and techniques to become a certified practitioner and to deliver process and statistically based improvements. It provides a hands-on learning experience for delegates to develop both the technical knowledge and personal skills not covered in the Foundation or Managers Green Belt courses. The course has been designed to develop the confidence and ability of delegates to deliver complex statistically based improvement projects.

Objectives

This seven day course, ran as a 4 and 3 day sessions, will enable delegates to:

- Extend their qualitative process analysis with tools and approaches for quantitative problem solving analysis
- Analyse more complex business opportunities and to deliver larger business solutions/benefits
- Manage stakeholder relationships and the change process
- Use Minitab and Excel to analyse the cause and effect of business defects and process variation
- Apply a range of statistical process control approaches to improve the ongoing management and improvement of process.

Course Content

- Introduction to Lean Six Sigma
- Goal deployment
- Failure and value demand
- Project management and tracking
- Change management
- Introduction to Minitab
- Rational sub-grouping
- Data collection techniques
- MSA methods in Minitab
- Sampling theory and plan
- Base-lining (continuous and discrete)
- Inferential statistics
- Confidence intervals
- Run charts and graphical analysis
- Hypothesis testing theory and Minitab
- Analysis of variance (ANOVA)
- Future value stream mapping
- 5S analysis
- Creative thinking
- Response surface experiments
- Solution selection, piloting and implementation planning
- Stakeholder analysis; training plans
- Control chart theory
- Advanced control charts
- Response charts
- Benefit validation
- Transition and audit

Who should attend?

All staff expected to lead or take part in improvement projects. Delegates must have completed Foundation (LSS102) or Managers (LSS104) Green Belt have a project identified to undertake post-training.

Follow on courses

Lean Six Sigma Black Belt Conversion course (LSS107)

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.