

Lean Six Sigma Foundation Green Belt

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 five day course provides delegates with a foundation in the tools and techniques required to lead and deliver Lean Six Sigma projects. Through a hands-on learning experience participants develop both the technical knowledge and the personal skills required to deliver process analysis, improvement and management using the DMAIC (Define, Measure, Analyse, Improve and Control) methodology. The course has been designed to develop the confidence and knowledge of participants to actively engage in process improvement projects.

Objectives

This five day course will enable delegates to:

- Understand the key activities and tools of the DMAIC improvement model
- Understand how Project Charters are developed and used to manage improvement projects
- Be able to identify stakeholders, their requirements and motivations
- Understand the concept of customer value and how it is core to lean six sigma improvement
- Understand the need to define and develop accurate and relevant measurement tools
- Know how to analyse business processes qualitatively
- Identify, quantify and select the most suitable solutions
- Enhance the control of business processes

Course Content

- Introduction to Lean Six Sigma
- Roles and responsibilities
- Project Charter
- Stakeholder analysis, communication and change management
- Voice of the customer
- Process flow charts and SIPOC
- Measurement overview and data types
- Descriptive statistics
- Identifying measures, yield & lean metrics
- Current state value stream mapping
- Failure modes & effects analysis (FMEA)
- Run charts and graphical analysis
- Value add and value stream analysis
- Waste analysis
- Process and gap analysis
- Tollgate reviews, risks & prioritisation
- Future value stream mapping
- Creative thinking
- Solution assessment
- Piloting solutions
- Implementation planning
- Control overview and planning
- Standardisation
- Visual Management
- Basic control charts
- Transfer and project closure

Who should attend?

All staff expected to take part in improvement projects in their workplace. Ideally delegates should have an awareness of Lean and Six Sigma and have a project identified to undertake post-training.

Follow on courses

Green Belt conversion; this course is a modular component of Practitioner Green & Black Belt courses

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.