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## What is Lean Six Sigma Green Belt Training?

Our hands-on Lean Six Sigma Green Belt Foundation training course provides a thorough working understanding of the Define, Measure, Analyse, Improve and Control (DMAIC) model which is the foundation for all Lean Six Sigma projects.








Effective for manufacturing and service industries, Lean Six Sigma enables you to eliminate waste, reduce defects, increase quality and improve your profitability by focusing on process areas that add value.

Leave our Lean Six Sigma Green Belt Foundation training course with the knowledge and tools required to identify, scope and run effective Six Sigma projects that drive continuous improvement for your organisation.

We also provide private and in-company Lean Six Sigma Green Belt courses. Call +44 (0)1273 622272 to discuss.

For more information about belt levels in Six Sigma, download our free Six Sigma eBook.

Lean Six Sigma Green Belt Training

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## Course Objectives

At the end of the five day Lean Six Sigma Green Belt Foundation training course delegates will understand and be able to:

- Apply the principles of the Six Sigma DMAIC performance improvement model.
- Establish the “Voice of the Customer” in defining the required performance standard.
- Use a number of measurement approaches and tools to establish current performance.
- Use appropriately a number of basic analysis tools and techniques to establish the root cause of a problem.
- Understand key lean concepts and tools, when and how to apply them to drive improvements.
- Recognise the difference in approach and techniques for incremental and redesign. improvement strategies and know how to decide on the correct approach.
- Establish ongoing process controls and process governance structures

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## Define

- Understanding Variability
- Project Charter
- Stakeholder Analysis
- Communication Plan
- Identify and segment key Customers
- Critical to Quality (CTQ) Requirements
- Verifying CTQs
- Hi-level Process map
- Process Vision
- Project Plan

## Measure

- Measurement Basics
- Measurement process and plan
- Selecting Measures
- Measuring Value
- Cost of Poor Quality
- Data definition and sources
- Gauge R&R
- Sampling
- Measuring yields and capability
- Implementing the measurement plan

## Analyse

- Data Analysis
- Pareto charts
- Frequency charts
- Run charts
- Variation
- Process Mapping and Analysis
- Value Stream Analysis
- Complexity
- Cause and Effect Analysis
- Verifying causes
- Scatter diagrams
- Design of Experiments

## Improve

- Process Vision
- Brain storming

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- Visibility
- Setup reduction
- Theory of Constraints Evaluating solutions
- Decision Analysis
- Impact Effort Matrix
- Selecting solutions
- Developing solution options
- Business scenarios
- Pilot testing
- FMEA risk analysis
- Implementation planning
- Force field analysis

## Control

- Simple and appropriate documentation
- Mistake Proofing
- Statistical Control
- Variation
- Control Charts
- I, X Bar and R Charts
- Response Charts
- Process Management
- Process Scorecards
- Project Close and Handover

By achieving a Green Belt in Lean Six Sigma, you will understand and be able to implement many ways to improve your business processes, quality and profitability.

After attending our Lean Six Sigma Green Belt Foundation training course, you will have the tools and knowledge to run individual Six Sigma projects. Once you have one under your belt, you can take our Black Belt Conversion training course.