

# Lean Six Sigma Foundation Green Belt

5 Days (1 week) – Open Access Training



## Enabling sustainable improvement

Sustainable business improvement depends on people at all levels within the organisation understanding the why and how. Green Belt Foundation students drive improvement activity within their own areas of responsibility and support improvement across the organisation. SigmaPro has trained thousands of Lean Six Sigma practitioners across the world to tackle problems effectively. Many SigmaPro students have helped their organisations make dramatic improvements in performance.

### Course purpose & aims

The programme enables students to tackle foundation level projects within their own areas of responsibility using a structured approach. As a SigmaPro Foundation Green Belt you will learn how to:

- ✓ Support the introduction of Lean Six Sigma into your organisation
- ✓ Tackle business improvement projects using a structured approach
- ✓ Use proven methods to ensure project success
- ✓ Support Black Belts on strategic improvement projects
- ✓ Ensure results are shared with peers and associates
- ✓ Identify where more complex tools will add value to a project

### Who is this course for?

Foundation Green Belts should possess the potential to quickly develop an understanding of the processes to be improved, and have the perseverance to succeed. As well as having good communication skills, Foundation Green Belts will be self motivated and always strive for excellence.

The programme assumes no prior knowledge of Lean Six Sigma, and is suitable for those taking a first step into improvement, in either a transactional or manufacturing environment.

This programme is designed for anyone who has been tasked with delivering improvement within their own area of responsibility, or those who need a thorough understanding of the methodologies involved in Lean Six Sigma.

*“Had a fantastic week, excellent programme, SigmaPro delivered what it said on the tin. Would highly recommend”*



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## What does the programme cover?

The course consists of 23 modules, taught over 5 days in a single week. It covers the Lean Six Sigma methodology and foundation level tools. The course is built around a case study, but delegates are encouraged to share their own experiences, and bring examples of potential projects to the course for discussion.

Programme includes:

### Introduction to structured business improvement

- Explain the background and basic ideas behind the Lean Six Sigma approach
- Successfully identify, select and launch improvement projects

### Launching your project

- Use proven methodologies to plan an improvement project
- Analyse the Voice of the Customer to determine what customers really want

### Measuring and modelling processes

- Use Value Stream Mapping to understand processes and identify improvement opportunities
- Decide project data required and plan out data collection
- Measure process performance and establish baseline capability

### Data analysis and waste identification

- Identify waste in processes to drive efficiency improvements
- Decide where and when to focus improvement effort for best results

### Process improvement and optimisation

- Generate new ideas using a structured approach to creativity
- Utilise design of experiments to truly optimise a process

### Controlling and sustaining the gains

- Develop control plans to sustain the gains
- Use structured methods to identify and reduce risk

### Software

- Analyse data easily with just a few mouse clicks using Minitab™ 16
- Effectively utilise leading software tools such as SigmaWorks™

## Course structure

The programme is a mix of classroom teaching, individual and group exercises, case studies and real world examples. Accelerated Learning approaches are extensively used to ensure rapid learning and maximum knowledge retention. During the course students actively practice the application of the tools and methods and use the software. Students are encouraged to share experiences from their own projects with the training group.

Some course tuition is on state-of-the-art statistical and analytical software packages including Minitab™ 16, and SigmaWorks™. Trial versions are provided during training and full licenses can be purchased through SigmaPro.

Upon successful course completion students will receive a certificate of training competence.

## Benefits to the organisation

- ✓ Six Sigma originated with Motorola, and started out as a quality improvement programme in the early 1980's. Motorola won the Malcolm Baldrige award for Excellence in 1988 and by the mid 1990's they had 60% of the mobile phone market, shareholder growth of 54% and were outperforming the NASDAQ index by 4:1
- ✓ GE adapted Six Sigma in 1995, and the annual report in 1997 quoted that "Six Sigma has spread like wildfire across the company, and it is transforming everything we do." After 10 years GE claimed savings of over \$10Bn for their programme and in May 2009 were listed in number 1 slot on the Forbes list of the world's biggest companies. Between 1996 and 2005 the GE stock price has outperformed the NASDAQ index by almost 2:1
- ✓ Toyota Motor Corporation developed the Toyota production system. The same approach has been adopted in many organisations in different sectors, and has become known today as Lean. A UK study looked at 500 lean projects across a variety of industries over 5 years, and calculated the average benefit to the organisation of £150K per lean event. A global study of 3,000 six sigma projects by Mikel Harry showed the average value per project to be £100K

## Prices

First delegate - **£1,495 + VAT**

Second delegate - **£1,345 + VAT**

Third & subsequent delegates - **£1,195 + VAT**

*“Really great course, bringing good knowledge. The case study ensures focus and gives a very good initiation to Lean Six Sigma”*

*“An informative and enjoyable programme. I am inspired to begin applying it!”*