



## Lean Six Sigma Green Belt

### Course Outline - Organisational Impact Focus

The Lean Six Sigma Green Belt programme at the Centre for Competitiveness (CforC) is designed to deliver **real, measurable business improvement**, not just certification. A defining feature of this programme is the completion of a **live, in-house improvement project**, ensuring that learning is embedded and that organisations realise tangible returns.

### Who This Programme Is For

This programme is best suited to:

- Managers and supervisors
- Continuous improvement or operational excellence leads
- Engineers, quality professionals and project leads
- Individuals responsible for improving cost, quality, delivery or service performance

Participants typically balance day-to-day operational responsibilities with responsibility for leading improvement initiatives within their area.

### Organisational Benefits

Organisations that invest in Lean Six Sigma Green Belt capability typically achieve:

- **Delivered cost savings or productivity gains** that exceed the cost of training
- Improved process performance and reduced variation
- Stronger, data-driven decision making
- Increased internal capability to lead improvement without external dependency
- A repeatable, structured approach to problem solving

The in-house project ensures that benefits are not theoretical – they are realised during the programme and sustained afterwards.

## **The In-House Improvement Project**

A core element of CforC's Green Belt programme is the completion of a **real workplace-based improvement project**.

Unlike programmes that rely solely on exams or simulated case studies, this approach:

- Applies learning directly to live organisational challenges
- Accelerates capability development
- Delivers measurable operational and/or financial benefits
- Builds internal credibility for Lean Six Sigma

## **Project Selection Support**

Selecting the right project is critical. CforC supports organisations by:

- Providing clear project selection guidelines
- Reviewing proposed projects before training begins
- Ensuring projects are appropriately scoped and aligned to business priorities

CforC's approach ensures the training content is highly relevant, immediately applicable, and grounded in operational reality - while delivering improvements that matter to your organisation.

**In practice, these projects typically deliver cost savings of at least £10,000 per organisation**, exceeding the investment in training and leaving a lasting capability for continuous improvement.

## **What Participants Will Learn**

Participants develop the capability to:

- Define problems clearly using customer and business requirements
- Map and analyse end-to-end processes
- Use data to identify root causes of poor performance
- Test and validate improvement ideas
- Implement sustainable solutions using structured change management
- Control and sustain gains through standardisation and monitoring

## **Programme Structure and Content**

The Green Belt programme is delivered over **seven days**, structured into three modules with time between modules to progress the in-house project.

### **Module 1: Introduction, Define & Measure (3 days)**

- Deploying Lean Six Sigma
- Voice of the Customer
- Project selection and definition
- Process mapping and value stream mapping
- Cause and effect analysis and FMEA
- Data collection and visualisation
- Measurement system analysis and capability assessment

### **Module 2: Analyse (2 days)**

- Graphical data analysis
- Hypothesis testing
- Statistical tests and correlation
- Identifying root causes using data
- Time trap and workflow analysis

### **Module 3: Improve & Control (2 days)**

- Generating and prioritising solutions
- Design of experiments
- Lean improvement techniques (5S, quick changeover, mistake proofing)
- Statistical process control
- Change management and project closure

## **Coaching, Review and Support**

Throughout the programme, participants receive:

- Dedicated time with the trainer to review project progress
- Guidance on selecting and applying the appropriate Lean Six Sigma tools
- Remote support between modules

This ensures projects stay on track and benefits are realised.

## **Certification and Outcomes**

Certification is awarded upon:

- Completion of the Green Belt training
- Successful delivery of **one in-house improvement project**

Participants present their project outcomes to demonstrate:

- Application of Lean Six Sigma methodology
- Achievement of targeted operational or financial benefits

This provides a clear return on investment and allows organisations to recognise and celebrate success.

## **Delivery Options and Cost**

- In-house delivery for cohorts of 6–12 participants  
[cost dependent on numbers participating]
- Open workshops with participants from multiple organisations  
**£1,800 + VAT per person**

Programmes can be tailored to align with organisational priorities and sector context.

## **Why Choose CforC?**

- Over 20 years' experience delivering Lean Six Sigma training
- Strong focus on **real projects and real results**
- Practical, business led approach
- Experienced trainers with cross sector expertise

*To discuss how the Lean Six Sigma Green Belt programme could support your organisation's improvement goals, please contact the Centre for Competitiveness on [info@cforc.org](mailto:info@cforc.org) or call us on +44 (0)28 9073 7950.*