



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, often 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

- In-house delivery for cohorts of 6–12 participants
- Open workshops with participants from multiple organisations

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 or call us on +44 (0)28 9073 7950.