



Lean Six Sigma Black Belt

Course Outline – Leading Enterprise-Level Change

The Lean Six Sigma Black Belt programme at the Centre for Competitiveness (CforC) is designed to develop **organisational change leaders** capable of delivering complex, high-impact improvement initiatives. Black Belts play a pivotal role in embedding Lean Six Sigma strategically and ensuring sustained performance improvement.

Who This Programme Is For

This programme is best suited to:

- Senior managers and functional leaders
- Operational excellence and continuous improvement leads
- Experienced Lean Six Sigma Green Belts
- Individuals responsible for leading complex or cross-functional change

Participants are expected to take ownership of significant improvement initiatives with enterprise-wide impact.

Organisational Benefits

Organisations that develop Black Belt capability typically achieve:

- Delivery of high-value, cross-functional improvement projects
- Improved strategic alignment of improvement activity
- Stronger governance and oversight of Green Belt projects
- Reduced reliance on external consultants
- A sustainable, embedded culture of continuous improvement

Black Belts act as internal experts and agents of change, accelerating transformation across the organisation.

Project-Based Learning and Impact

Our Green Belt and Black Belt programmes include a live, in-house improvement project, enabling participants to solve a real business problem while they learn.

A defining feature of CforC's approach is that projects are based on **your own processes, data and challenges**. Rather than working with generic or simulated data sets, we work with you to identify a meaningful improvement opportunity using data and problems that participants are already familiar with.

This 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 advanced capability to:

- Lead and mentor improvement teams
- Manage the deployment of Lean Six Sigma at organisational level
- Apply advanced statistical and analytical techniques
- Solve complex, non-routine problems
- Lead change and influence across functions

Programme Structure and Content

The Black Belt programme is delivered over **eight 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 strategically
- Project selection and definition
- Coaching and mentoring teams
- Managing the Six Sigma enterprise

- Cost of poor quality
- Advanced process mapping and analysis
- Data collection and measurement system analysis

Module 2: Analyse (3 days)

- Data transformation and probability
- Statistical distributions and hypothesis testing
- ANOVA and nonparametric tests
- Regression and multiple factor analysis
- Input-output analysis

Module 3: Improve & Control (2 days)

- Design of experiments and design for Six Sigma
- Lean enterprise and theory of constraints
- Mistake proofing and process control
- Change management and project closure
- Project presentations and certification

Coaching, Review and Support

Participants receive ongoing support throughout the programme, including:

- Project review and coaching
- Guidance on advanced tool selection and application
- Remote support between modules

This ensures projects deliver targeted outcomes and are sustained.

Certification and Outcomes

Certification is awarded upon:

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

Participants demonstrate impact through a formal project presentation, enabling organisations to recognise achievement and realised benefits.

Delivery and Cost

- **Delivery:** Open workshops with delegates from multiple organisations
- **Duration:** 8 days
- **Cost:** £2,100 + VAT per participant

Cost includes all training materials, catering, Lean Six Sigma Black Belt manual, trainer expenses and a project certification event.

Why Choose CforC?

- Extensive experience delivering advanced Lean Six Sigma programmes
- Strong focus on real projects and enterprise impact
- Practical, results-driven approach
- Trusted by organisations across multiple sectors

To discuss how Lean Six Sigma Black Belt training could support enterprise-level improvement, please contact the Centre for Competitiveness on info@cforc.org.