

## Lean Six Sigma Green Belt Programme 6 days

**Lead improvement projects with confidence. Our accredited Green Belt training programme provides the tools, data skills, and structured approach to deliver lasting results in any industry.**

Green Belt training is the professional standard for anyone serious about process improvement. Over six engaging days, you'll build the capability to lead DMAIC projects from start to finish - defining the problem, collecting and interpreting data, identifying root causes, and implementing solutions that genuinely stick. Accredited and highly regarded, this course is equally valuable whether you're pursuing formal certification or simply want to apply Lean Six Sigma to deliver results in your day-to-day work.

The Lean Six Sigma Green Belt Programme teaches you how to lead process improvement projects using the DMAIC framework. It suits those new to process improvement and experienced practitioners alike, particularly those who want to see how familiar techniques fit into a coherent, structured methodology. Applicable across all industries, it is also the first module of the BQF Black Belt and Business Black Belt certification programmes, making it a natural steppingstone for those who want to extend their learning and practice further.

Our approach blends AI capability with critical thinking. Within the programme Green Belts learn to leverage technology thoughtfully, amplifying their problem-solving power without losing the human touch. The training features CatStat, Catalyst's revolutionary AI powered process analysis and improvement tool. CatStat uses the power of AI to help uncover the business insights locked inside business data and accelerate problem solving. CatStat licences are included for each participant.

### What You'll Learn

By the end of this programme, you will be able to:

- Lead process improvement projects from end-to-end
- Make a measurable difference to performance, quality, and customer experience
- Capture the Voice of the Customer and translate the findings into measurable critical-to-quality requirements
- Visualise and understand processes using a range of methods
- Collect data and apply tools to build a clear, evidence-based picture of performance
- Identify and verify root causes of process problems
- Navigate the human side of change, engage teams and build acceptance
- Generate, select and pilot effective solutions
- Implement, standardise and sustain improvements with control plans
- Contribute to a culture of continuous improvement and ongoing operational excellence
- Harness AI tools to accelerate the improvement journey

## Delivery Format

This popular course is delivered:

- Every month as a 6-day virtual training programme (3+3 days) through our open training programme
- As a 6-day virtual programme within your company, configured to meet your needs and accommodate delegates from different time-zones where required
- As a physical classroom in-house programme in a 5 or 6-day format
- In our central London physical classroom training venue in a 5-day format
- As a self-study online programme on our state-of-the-art Learning Management System – you will be assigned a personal tutor to support your learning
- Blended learning options are also popular - bespoke combinations of online modules, facilitated classroom workshops and live webinars

## Accreditation

- British Quality Foundation Green Belt
- Lean Competency System (Level 1c)
- Chartered Quality Institute recommended training course

## Who Should Attend?

- Professionals in any industry looking to lead or support process improvement initiatives (the methods are universally applicable/effective)
- Anyone seeking to apply structured, data-driven problem-solving methods in their work
- Process improvers seeking a globally recognised certification to advance their career - the programme leads to Green Belt certification through the British Quality Foundation or Lean Competency System
- Professionals involved in process improvement, operations or quality who want to lead or support process improvement projects or address operational challenges
- Team leaders, supervisors and project managers eager to improve performance, inspire teams and lead meaningful change
- Those in customer facing roles who want to deliver better value
- Organisations aiming to develop in-house expertise in order to reduce waste, improve quality and service and deliver measurable business benefits and a positive environmental impact

## Why Choose This Course?

This programme offers a comprehensive and structured approach to process improvement, building knowledge and practical capability across a well-rounded set of skills. Participants gain:

- A well-recognised, accredited qualification
- Practical experience using Lean Six Sigma tools in real scenarios
- Confidence to lead improvement projects
- Exposure to AI-supported process improvement using CatStat
- Enhanced career progression opportunities and a stronger professional profile

Lean Six Sigma Green Belts are a valuable asset for continuous improvement, helping organisations deliver and sustain measurable operational gains.

## Course Content

Our Green Belt programme covers every phase of project delivery, and incorporates the human side of change as well as the effective use of AI powered tools. Tools and techniques included:

<b>Key principles and foundations</b>	<b>Measure Cont'd</b>	<b>Analyse Cont'd</b>	<b>Improve Cont'd</b>
Lean and Six Sigma	Deployment Flow Charts	Process Flow and Waste	<u>Plan and Test the Solution</u>
DMAIC	Value Stream Mapping	Pareto Charts	Process Pilot
Project Selection	Customer Journey Mapping	Scatter Diagrams	FMEA
Building Acceptance for Change	Moments of Truth	Hypothesis Tests	Poke Yoke
E=QxA	VOC to CTQ Matrix	Regression Analysis	Cost/Benefit Analysis
Elements of Change	CTQ to Output Measures matrix	Introduction to Design of Experiments	
	Y to X Matrix	Logical Cause Testing	<b>Control</b>
<b>Define</b>	Operational Definitions	Project Benefits Review	<u>Implement and Standardise the Solution</u>
Select the Problem	Continuous and Attribute data	Multi-Generational Plans	Process Management
Improvement Charter	MSA tools (Gauge R&R and Attribute Agreement Analysis)	<b>Improve</b>	Standardisation
Problem Statement	Introduction to Sampling	<u>Generate Possible Solutions</u>	Visual Management
SIPOC	Data collection methods	Tools for Creative Thinking	Lean Management Systems
Voice of the Customer	Histograms	Negative Brainstorming	Control Plans
CTQs	Run Charts	CATALYST	Process Handover
Project Framing and Scoping	Variation	Ideas Box	Control Charts
Project Planning	Statistical Process Control Charts	Lean Solutions	<u>Assess Achievements and Lessons</u>
Tollgate Reviews	Process Capability	SMED	Storyboards
GRIP Model	Process Sigma	Batch size reduction	Final Review / Post Project Review
Stakeholder Analysis		Pull processing	Recognition
Communications Plans	<b>Analyse</b>	Product Families, 3Rs and Cells	
Forcefield Analysis	Identify and confirm the causes	Theory of Constraints	<b>Next Steps</b>
Elevator Speech	Fishbone Diagrams	Heijunka	Certification Steps
	Interrelationship Diagrams	5S	Maintaining Momentum
<b>Measure</b>		<u>Select the Solution</u>	Celebrating Success
Understand the Current Situation		N/3	
Process Stapling		Prioritisation Matrices	
Value added flow analysis			

Our materials pack is comprehensive. As well as access to CatStat, learners receive:

- 12 months access to over 100 videos of course content
- Printed and soft copies of course slides
- Lean Six Sigma Improvement Journey Book and Pocket Guide and Leading Change Pocket Guide
- Downloadable tools and templates and Lean Six Sigma Project Selection Guide

## Why Choose Catalyst?

Catalyst delivers results, not just services. We blend consulting, coaching, training, and AI-powered tools into a seamless support system that meets teams where they are, developing capability at every level.

Thousands trust us to support their learning and Continuous Improvement journeys – we've specialised in Lean Six Sigma Training and Consultancy for over 30 years. We're known for sharing our knowledge in an accessible and interactive way. Look no further for relevant, relatable content, built by experts and accredited by the British Quality Foundation and the Lean Competency System (LCS). We are the BQF's primary Lean Six Sigma partner and recommended by the Chartered Quality Institute.