



GAME CHANGE

Lean Six Sigma Open Enrolment
2018 Training Programme



“Successful organisations must habitually innovate, adjust quickly to new business conditions and exploit emerging opportunities before competitors do. They must perform effectively and efficiently today while continuing to explore new sources of value for tomorrow. Such companies don't just happen, they're created by leaders who understand how to deliver continuous business process improvement and achieve breakthrough results.”



This Four Stage **Accelerated Learning Programme** prepares you to lead a nimble organisation - one that blends best practice, continuous improvement and evolutionary change.

The training builds on the five core leadership and decision making principles of **Lean**: Customer Value, Value Stream, Flow, Pull and Perfection.

White Belt 'Introduction' (80 Mins)

E Learning module, ideal for anyone who wants to know a little bit more about what we do or is interested in future course attendance.

Yellow Belt 'Survival Kit' (2 Days)

Gain an understanding of Lean Six Sigma principles and a basic toolkit in sufficient detail to make a meaningful contribution to support project implementations.

Green Belt 'Practitioner' (5 Days)

Develop a practical application of the Define, Measure, Analyse, Improve, Control methodology with a practical toolkit and techniques to successfully implement projects.

Black Belt 'Advanced Level' (5 Days)

Perfect the analytical and change management skills to pinpoint performance shortfalls and lead Continuous Improvement in any function or area of a business.

Master Black Belt 'Expert' (5 Days)

Master the leadership, training and coaching of process variability reduction (DMAIC), process waste reduction (Lean) and growth through innovation (DFSS).

Six Sigma compliments these principles to drive all business, technical, support and operational process and metrics towards perfection.

By merging the two methodologies, the curriculum provides a **powerful and proven** approach that engages the entire workforce in continuous improvement to achieve outstanding business results.

Yellow Belt Training & Curriculum - 2 Days

“This is the ‘**Survival Kit**’, teaching you the basics of Lean Six Sigma; the concepts, tools, techniques and the DMAIC improvement methodology.”

This course extends beyond Lean Six Sigma as a topic to cover Continuous Improvement principles and good business practice methods, enabling participants to return to the organisation with the basic knowledge, skills and quality mind-set required to to successfully support business improvement objectives.

Learning outcomes:

- ◆ Learn the basic Lean Six Sigma tools and techniques in sufficient detail to be able to positively impact project conversations and support continuous improvement as part of an operational role and on improvement projects.
- ◆ Understand how to apply the DMAIC process improvement roadmap to identify and correct problems and run business improvement projects.
- ◆ Apply the learning to a case study project to put theory into practice and understand how an organisation can achieve breakthrough results.

Who should attend: This introductory course is designed for professionals from any industry or market sector (manufacturing, service or transactional) or individuals involved in business improvement as part of their every day role or as a project team member.

Certification criteria: 70% pass mark on the Yellow Belt multiple choice final exam held at the end of the course.

Pre-requisites: Interest in developing Lean Six Sigma skills and understanding.

Course Fee (exc VAT) £695
Includes tuition, course material, exam, certification and lunch for the course duration. Residential course fee per delegate including 1 night accomodation **£795 (exc VAT)**

- ✓ Process waste reduction (LEAN)
- ✓ Process variation & Six Sigma
- ✓ DMAIC improvement methodology
- ✓ Roles & responsibilities
- ✓ Lean Six Sigma culture explained
- ✓ Cause & effect; $Y=f(x)$
- ✓ Voice of the Customer
- ✓ Problem definition
- ✓ Stakeholder mapping
- ✓ SIPOC process mapping
- ✓ Rolled throughput yield (RTY)
- ✓ Root cause analysis
- ✓ How to analyse sources of variation
- ✓ Value stream mapping (VSM)
- ✓ The 8 elements of waste
- ✓ Lean 5S
- ✓ Visual management
- ✓ Solution thinking and innovation
- ✓ Mistake proofing (Poke Yoke)
- ✓ Process risk analysis (FMEA)
- ✓ Response planning
- ✓ RACI charting
- ✓ Case study exercise to gain a practical understanding of how to apply the DMAIC roadmap and use key tools and techniques.

Green Belt Training & Curriculum - 5 Days

“This is the ‘**Practitioner Level**’, that imparts the skills you need to implement projects either as part of your everyday role or to enable you to lead change in your organisation.”

This course is centralised on the fundamental principles of Lean Six Sigma methodology, tools, techniques and the ‘Define, Measure, Analyse, Improve, Control’ (DMAIC) improvement roadmap.

Project case studies and group tutorials ensure you gain a practical understanding of how to select and apply the appropriate methods and tools. You will also be encouraged to evaluate your learning in the context of the needs of your own organisation.

Learning outcomes

- ◆ Apply the DMAIC methodology and Green Belt toolkit to manage and implement continuous improvement projects.
- ◆ Gain insight on how to influence change in your organisation and to effectively identify, scope and charter process improvement projects.
- ◆ Practice using Lean Six Sigma statistical principles with hands-on application of project scenarios.

Who should attend: Team members, supervisors, project managers, functional and technical experts, consultants, senior executives, business leaders and sponsors from an unlimited variety of sectors, businesses and organisations.

Certification criteria: 70% pass mark on the Green Belt multiple choice final exam held at the end of the course.

Pre-requisites: Interest in developing Lean Six Sigma skills and understanding.

Course Fee (exc VAT) £1,975

Includes tuition, course material, exam, certification and lunch for the course duration. Residential course fee per delegate including 5 nights accomodation **£2,350 (exc VAT)**

- ✓ Lean Six Sigma principles
- ✓ DMAIC process improvement
- ✓ Process waste reduction (Lean)
- ✓ Problem definition and CTQ
- ✓ Process mapping
- ✓ Measurement & sampling
- ✓ Descriptive statistics
- ✓ Process sigma / capability
- ✓ Data collection & planning
- ✓ Introduction to Minitab statistics
- ✓ Root cause/value added analysis
- ✓ Effectiveness & efficiency
- ✓ Graphical analysis
- ✓ Simple linear regression
- ✓ Statistical process control
- ✓ Solution thinking & innovation
- ✓ Mistake proofing (Poke Yoke)
- ✓ Benchmarking & creativity
- ✓ Prioritising & selecting solutions
- ✓ Dealing with change resistance
- ✓ Facilitation skills
- ✓ Risk assessment (FMEA)
- ✓ RACI charting
- ✓ Six Sigma control plans

Black Belt Training & Curriculum - 5 Days

“This is the ‘**Advanced Practitioner Level**’, that delivers the complete Lean Six Sigma toolkit and DMAIC process improvement roadmap, equipping you to plan and lead change in your organisation.”

This course builds upon the Green Belt syllabus to cover a greater level of analytical, project implementation and change leadership skills. We don't just focus on 'what' to do, but crucially 'how' to do it, with practical advice on overcoming typical project barriers by utilising case studies and group discussion as part of the learning experience.

Learning outcomes

- ◆ Build advanced analytical, decision making and implementation skills to pinpoint and manage performance improvement opportunities in your organisation.
- ◆ Develop coaching skills to be able to guide team members and advise management regarding Lean Six Sigma implementation.
- ◆ Solve a business problem by running a project during the course as part of the certification criteria.

Who should attend: Certified Green Belts seeking in-depth Lean Six Sigma knowledge, practical leadership and analytical skills to deliver business improvement results.

Certification criteria: 70% pass mark on a project case study assignment conducted during the course to assess your practical understanding of the tools and techniques. Achieve 70% pass mark in the Black Belt exam held on the last day of the course.

Pre-requisites: Lean Six Sigma Green Belt certification from Game Change or other trusted provider (evidence required).

Course Fee (exc VAT) £1,975

Includes tuition, course material, exam, certification and lunch for the course duration.

Residential course fee per delegate including 5 nights accommodation **£2,350 (exc VAT)**

- ✓ Building Continuous improvement
- ✓ Business case & project charter
- ✓ Building a process cost profile
- ✓ DMAIC tollgate reviews
- ✓ Measurement system analysis
- ✓ Sampling & transforming data
- ✓ Correlational Statistics
- ✓ Classes of distributions
- ✓ Inferential statistics
- ✓ Hypothesis testing
- ✓ Data analysis in Minitab
- ✓ Lean enterprise management
- ✓ Assumption busting the status quo
- ✓ High performing teams
- ✓ Forecasting
- ✓ Inventive problem solving
- ✓ Multiple regression analysis
- ✓ Statistical process control
- ✓ Decision matrices
- ✓ Sustaining the gains
- ✓ Design for Six Sigma (DFSS)
- ✓ Project case study (Provided)

Master Black Belt Training & Curriculum - 5 Days

“A ‘**Master Black Belt**’, has the expert skills, desire and leadership ability to train and coach Green and Black Belts in the delivery of Lean Six Sigma activity, while leading senior management in the implementation of organisational Continuous Improvement planning and deployment.”

This program provides advanced skills to maximise the full array of Lean and Six Sigma tools, techniques, statistical and qualitative methods as well as change leadership across all functions and levels in the organisation.

Optional refresher training: up to 5 days Black Belt classroom training is included in the price of the program. Instructor-led remote coaching is available to all attendees for the duration of the course.

Learning outcomes

◆ Prove your expertise in process variability reduction (DMAIC), process waste reduction (Lean) and growth through innovation (DFSS) principles.

◆ Develop consultancy and leadership skills to manage the full Lean Six Sigma project life-cycle from planning and scoping to implementation and gaining organisational support.

◆ **Qualification to train, coach and certify** others up to Black Belt level under the Game Change certification process using course material provided.

Certification criteria: A guided audit of participants’ individual projects to evidence the use of tools and techniques associated with Lean Six Sigma. Minimum of 2 successful projects are required for submission. Achieve 70% pass mark in the Master Black Belt exam.

Pre-requisites: Lean Six Sigma Black Belt certification from Game Change or other trusted provider (evidence required).

Course Fee £2,575 (exc VAT)

Includes tuition, course material, exam, certification and lunch for the course duration.

£2,950 (exc VAT)

Residential course fee per delegate with 5 nights accommodation.

Optional: Up to 5 days refresher Black Belt classroom training is included in course price*

Course pre-work: Instructor-led remote coaching & guided audit of 2 Black Belt projects is included in course price*

Classroom training: 5 days Master Black Belt curriculum:

- ✓ Lean Six Sigma training & certification delivery
- ✓ Continuous improvement planning & deployment
- ✓ Managing resistance to change
- ✓ Driving growth through innovation
- ✓ Design for Six Sigma (DFSS)
- ✓ Advanced statistics
- ✓ Lean cycle time reduction

Master Black Belt: Exam & final project assessment

Master Black Belt Certification

**excluding accommodation*

White Belt (80 min) ‘Introduction’ E-Learning module ideal for anyone who wants to know more about Lean Six Sigma or is interested in future course attendance.

Yellow Belt (2 Days)	Green Belt (5 Days)	Black Belt (5 Days)	Master Black Belt (5 Days)
‘Survival Kit’ To understand Lean Six Sigma principles and basic tool-kit in sufficient detail to make a meaningful contribution to project conversations and to support implementation.	‘Practitioner Level’ To understand the ‘Define, Measure, Analyse, Improve, Control’ roadmap and actionable tool kit with techniques to successfully implement Continuous Improvement projects.	‘Advanced Practitioner Level’ Analytical and change management skills to pinpoint performance shortfalls and lead Business improvement in any function or department within any organisation.	‘Expert Consultant Advisor & Trainer’ in process variability reduction (DMAIC), process waste reduction (Lean) and growth through innovation (DFSS) principles.

Course Pre-requisites

Interest in Continuous Improvement skills	Interest in Continuous Improvement skills	Green Belt Certification	Black Belt Certification Submission of 2 projects
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Course Timings

09:00 - 18:00	09:00 - 18:00	09:00 - 20:00	09:00 - 20:00
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Certification and Examination Format

<ul style="list-style-type: none"> Exam: 20 questions Duration: 30 mins Pass mark: 70% 	<ul style="list-style-type: none"> Exam: 30 questions Duration: 40 mins Pass mark: 70% 	<ul style="list-style-type: none"> Exam: 50 questions Duration: 70 mins Group project case study conducted during the course Pass mark: 70% 	<ul style="list-style-type: none"> Exam: 75 questions Duration: 120 mins Submission of 2 completed Lean Six Sigma Black Belt projects Pass mark: 70%
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Course fees (Excluding VAT): Prices below excluding accommodation.
For International and bespoke venue pricing, please get in touch

£695 <ul style="list-style-type: none"> YB course notes YB Excel toolkit YB Certificate Free eLearning White Belt Online practice exams 	£1,795 <ul style="list-style-type: none"> GB course notes GB Excel toolkit GB Certificate Free eLearning White Belt Online practice exams 	£1,975 <ul style="list-style-type: none"> BB course notes BB Excel toolkit BB Certificate Take away Case study Online practice exams 	£2,575 <ul style="list-style-type: none"> MBB course notes 5 days BB refresher training included Project Coaching MBB Certificate License to train & certify using Game Change courseware
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Course fees (Excluding VAT): Prices below including accommodation and breakfast / lunch for the entire course duration

£795 2 nights accommodation	£2,350 5 nights accommodation	£2,350 5 nights accommodation	£2,950 5 nights accommodation
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2018 Open Enrolment Training Calendar

Yellow Belt
2 Days

Green Belt
5 Days

Black Belt
5 Days

Master Black Belt - 5 Days

Venue: Bradford, West Yorkshire, UK

9 - 10th Jul
17 - 18th Sep
1 - 2nd Nov

26th Feb - 2nd Mar
23rd - 27th Apr
18th - 22nd Jun
3rd - 7th Sep
5th - 9th Nov

5th - 9th Mar
30th Apr- 4th May
25th - 29th Jun
10th - 14th Sep
12th - 16th Nov

12th - 16th Mar
2nd - 6th Jul
19th - 23rd Nov

Venue: Jersey, Channel Islands, UK

25 - 26th Jan
17 - 18th Apr
31st May - 1st Jun
20 - 21st Sep

29th - 2nd Feb
9th - 13th Apr
4th - 8th Jun
24th - 28th Sept
26th - 30th Nov

5th - 9th Feb
11th - 15th Jun
1st - 5th Oct
3rd - 7th Dec

Further dates to be confirmed

Venue: Dubai, United Arab Emirates

16 - 17th Mar
7 - 8th Oct

18 - 22nd March
14 - 18th Oct

25 - 29th March
21 - 25th Oct

Further dates to be confirmed

Venue: Oslo, Norway

Dates to be confirmed

Dates to be confirmed

Dates to be confirmed

Dates to be confirmed

For customised training - Please get in touch

We offer customised training at your company or preferred location, tailored to your specific business needs.

We also offer discounted course fees for Students and Jobseekers, please get in touch for more information.



GAME CHANGE

Who should attend

The courses are designed to suit a mix of participants including team members, supervisors, project managers, functional and technical experts, consultants, senior executives, business leaders and sponsors from a wide variety of businesses and industries.

Certification and Examination

Our certification process is based on the GE, Motorola and Honeywell certification model and is recognised as the appropriate way to become certified.

Each course curriculum conforms to the standard Body Of Knowledge (BOK) as specified by the American Society of Quality (ASQ) and other benchmark standards.

Game Change has trained and certified people within hundreds of organisations and helped thousands of business professionals to build their Lean Six Sigma capabilities.

Case Studies and tutorials are designed to ensure that attendees gain a practical understanding of systematically selecting and applying the appropriate methods and tools.

The learning outcomes are individually assessed by the instructor during the course and through the final exam on the last day of the course.

“An excellent and well structured course that is well established and brilliantly taught.”

Derek McDonough
Continuous Improvement Manager
Royal Air Force

Learning Environment

All our training venues worldwide are selected to deliver the best of positive ‘distraction-free’ environments, allowing attendees the time and ability to learn effectively.



Visit www.game-change.com for:

- ◆ Frequently asked questions
- ◆ Testimonials
- ◆ Course logistics
- ◆ Certification and examinations
- ◆ Project Guidelines

What we do

Since 2005, the Game Change Accelerated Lean Six Sigma 'Boot Camp' and In-House training and certification program has been successfully completed by thousands of business professionals worldwide from a wide variety of manufacturing, service and transactional organisations.

Our approach does away with the tendency of traditional training courses to 'learn and leave', whereby Lean Six Sigma knowledge is transferred but improvement results are never fully realised. We focus on practice, not just theory.

All Game Change instructors are highly experienced and certified Lean Six Sigma Master Black Belts, able to convey classroom based instruction and concepts to applied knowledge in an engaging manner.

**“We don't just deliver training,
we train to deliver business results”**



GAME CHANGE

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Distinctive Program Features

ACCELERATED LEARNING

Significantly reduces certification timescales and costs compared with conventional training, and attendees walk away with Lean Six Sigma certification on the last day of the course.

Highly Practical

Whereas traditional courses emphasise presentation or material-based learning of content to apply afterwards, the Game Change program emphasises collaboration between learners through practical activity based learning and certification project work conducted during the course.

World Class Training

Our training courses are taught by expert Master Black Belt instructors with extensive real-world experience, so attendees not only learn the theory but also the 'know-how' to make a real impact back in the workplace.