



We don't deliver training  
we train to deliver business results.



LEAN SIX SIGMA

**BLACK BELT  
TRAINING &  
CERTIFICATION**

## WHAT WE DO

Game Change is a leading Lean Six Sigma Training and Management Consultancy.

Founded by GE and Honeywell certified Master Black Belt's, we remain true to the spirit of Lean Six Sigma as a practical and flexible method to enable continuous improvement and manage business change.

We can act as subject matter experts to teach, coach and help you learn the knowledge and skills to apply the most valuable continuous improvement tools and techniques to your business challenges.

Or, we can work with you to apply proven methods and techniques to build an entire system of leadership and support systems around continuous improvement and statistical problem solving, and integrate these new practices into everyday business activities.

Either way, working with us offers a high level of practical experience, collaboration and know-how to deliver what is promised in an objective and professional way.

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we train to deliver business results.**

“

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

Derek McDonough  
Continuous Improvement Manager

# LEAN SIX SIGMA TRAINING

## OVERVIEW

This Four-part Accelerated Learning Program prepares you to lead a nimble organisation – one that blends best practices, continuous improvement and evolutionary change. It builds on the five principles of Lean as a set of leadership and decision-making principles that define excellence: Customer Value, Value Stream, Flow, Pull and Perfection.

Six Sigma compliments this methodology, focusing on driving to perfection all business, technical and operational processes and results.

The learning curriculum encompasses defect prevention, variation reduction and mistake proofing through the use of statistical data driven tools and techniques.

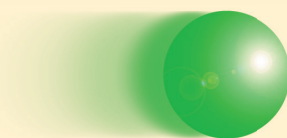
The merging of these two methodologies provides a powerful and proven approach that engages the entire workforce in continuous improvement to achieve business results.



### YELLOW BELT (2 DAYS)

“SURVIVAL-KIT”

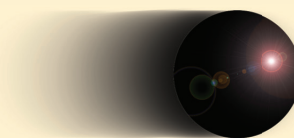
TO UNDERSTAND LEAN SIX SIGMA PRINCIPLES AND BASIC TOOL-KIT IN SUFFICIENT DETAIL TO MAKE A MEANINGFUL CONTRIBUTION TO IMPROVEMENT PROJECTS AND SUPPORT IMPLEMENTATION.



### GREEN BELT (5 DAYS)

“PRACTITIONER LEVEL”

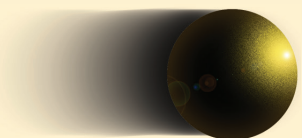
UNDERSTANDING OF THE DEFINE-MEASURE-ANALYSE-IMPROVE-CONTROL ROADMAP AND ACTIONABLE TOOL-KIT AND TECHNIQUES TO SUCCESSFULLY IMPLEMENT CONTINUOUS IMPROVEMENT PROJECTS.



### BLACK BELT (5 DAYS)

“ADVANCED PRACTITIONER LEVEL”

ANALYTICAL AND CHANGE MANAGEMENT SKILLS TO PINPOINT PERFORMANCE SHORTFALLS AND LEAD CONTINUOUS IMPROVEMENT IN ANY FUNCTION OR DEPARTMENT OF ANY ORGANISATION.

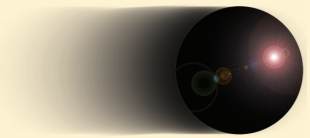


### MASTER BLACK BELT (5

“EXPERT”, ADVISER AND TRAINER

PROCESS VARIABILITY REDUCTION (DMAIC), PROCESS WASTE REDUCTION (LEAN) AND GROWTH THROUGH INNOVATION (DFSS) PRINCIPLES TO LEAD CONTINUOUS IMPROVEMENT PLANNING AND DEPLOYMENT.

# BLACK BELT TRAINING



Lean Six Sigma Black Belt Training and Certification equips you with “Advanced Practitioner Level” perspectives and skills in process variability reduction (DMAIC), process waste reduction (LEAN) and a comprehensive toolkit to plan and lead change in your organization.

This course builds upon your Green Belt knowledge to expand your Lean Six Sigma expertise, strengthen your knowledge and skill sets, and gives you the confidence you need to take that next step as a continuous improvement professional and return back to your organization with a greater level of analytical, project implementation and change leadership skills.

You walk away with the learning and the know-how. This means not just focus on the “what” to do but the “how” to do it, with greater emphasis on typical project barriers and “hints” and “tips” on “how” to overcome using case studies and compelling best practices as part of the learning experience.

## How you benefit:

- **Sustain actionable knowledge.** Harness information you already have into a solid understanding of how to build sustainable processes and structures to enhance your organization’s capability
- **More competent as a manager.** Become a more competent and confident manager with new insights, knowledge and skills.
- **Elevate key skills** in change leadership, analyzing data and decision making to take on greater responsibility to pinpoint and manage performance shortfalls
- **Insights on where to focus attention** to influence change in your organization and how to identify, scope and charter continuous improvement projects
- **Master the skills you need** to combine statistical and quantitative methods with the interpersonal skills required to influence, inform and drive change
- **Develop coaching skills** to guide team members and advise management during Lean Six Sigma implementation
- **Come with a change initiative (optional)** to apply the learning in your personal or your organization’s context

## Participant profile:

Black Belt Training and Certification is designed for Certified Green Belt’s from a wide variety of manufacturing, service and transactional organizations either currently involved with, or who aspire to, or have recently gained continuous improvement responsibilities;

- Seeking to develop in-depth knowledge and analytical skills in process variability reduction (DMAIC) and process waste reduction (Lean)
- Who want to strengthen their ability to lead change and enhance their organization’s continuous improvement

**Course Pre-requisites:** Interest in developing basic continuous improvement skills

## Exam and Certification

Online Exam: 30 questions  
Duration: 40 min.  
Pass mark: 70%

Achieve 70% pass mark in the  
Yellow Belt multiple choice final  
exam



## Live Virtual Classroom

Our Live Virtual Classroom courses leverage the power of technology to allow you to join from anywhere in the world to connect and engage live with instructor's and peers just like in a classroom.

### Online modules

The online material allows you to complete a significant portion of work flexibly – at your own pace, wherever you might be. Preparation completed online is then pulled into Live Virtual sessions, helping you make the most out of your time in class to apply the learning and to ensure you fully understand the topics.

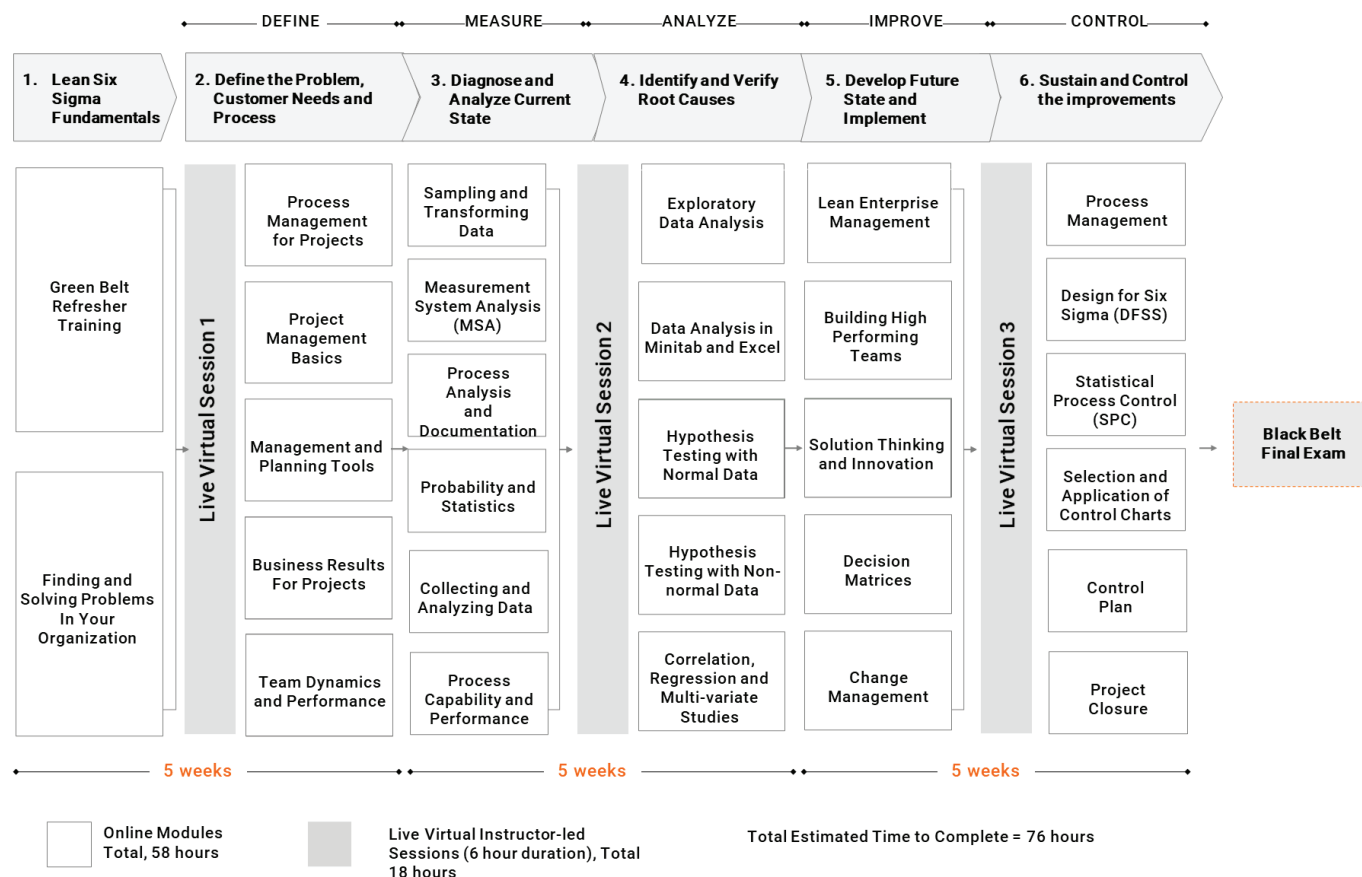
- Purpose built instructional videos recorded in our media studio
- Interactive exercises and quizzes
- Cases, readings and additional resources
- Online discussions, guided by Master Black Belt's and teaching assistants

### Live Virtual Instructor-led Sessions

Throughout the online preparation modules, there are discussion points which will be drawn upon during the virtual classroom sessions, ensuring a direct connection between learning online and in the classroom.

There are three live virtual sessions. Like the other participants, you will bring your experiences to the classroom for in-depth and stimulating learning sessions with your fellow participants and Master Black Belt instructor's, you will take a collaborative approach to the subject matter.

- Consolidate knowledge and understanding
- Share your professional experience
- Master Black Belt instructor's challenge your ideas
- Apply your knowledge to real-world cases





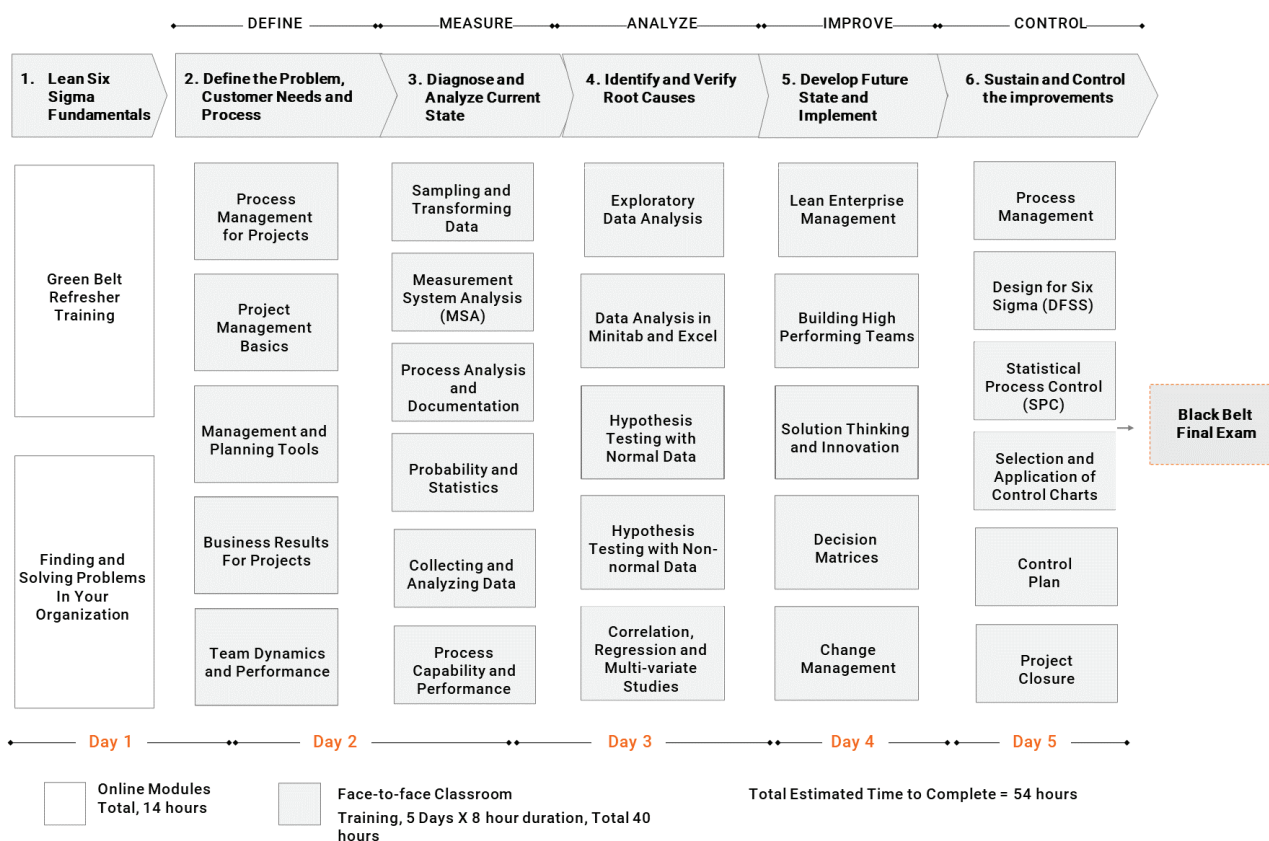
Modules	Time
1.0 INTRODUCTION TO LEAN SIX SIGMA	4 Hours
2.0 DEFINE	6 hours
3.0 MEASURE	14 Hours
4.0 ANALYZE	10 Hours
5.0 IMPROVE	8.5 Hours
6.0 CONTROL	9.5 Hours
Quizzes Segmented and embedded during and at the end of each DMAIC Phase	5 Hours
Final Exam Lean Six Sigma Black Belt Certification	1 Hours
<b>E-Learning Modules</b>	<b>58 Hours</b>
<b>Instructor-led Live Virtual Sessions</b>	<b>18 Hours</b>
<b>Estimated time to complete</b>	<b>76 Hours</b>
<b>Course Fee, excluding VAT</b>	<b>£ 2,195</b>
<b>What's Included</b> <ul style="list-style-type: none"> <li>• 58 hours eLearning with Integrated Roadmaps and Quizzes (12 month access)</li> <li>• Additional 18 hours Instructor-led Virtual Classroom</li> <li>• 12 month free access to Black Belt Bootcamp Learning Platform, Toolkit, Case Studies and Downloadable Resources</li> <li>• Black Belt Online Exam and Electronic Certificate</li> <li>• Unlimited Practice Exams and Re-sits free of charge</li> <li>• Email Tutor support via discussion groups</li> </ul>	





## Face-to-Face Classroom

Participants commit to a series of 8 hour days of intense face-to-face learning. The training is practical, precise with no corners cut. Don't expect an easy ride, you are there to learn and learn you will. We offer action-oriented, interactive courses, packed with examples, case studies and compelling best practices as part of the learning experience. Each course is designed to give participants the level of knowledge, skills and attitude to make a real difference at their workplace.



### E-Learning Modules

14 Hours

### Face-to-Face Classroom Training 2 Day x 8Hours

40 Hours

### Estimated time to complete

54 Hours

### Course Fee, excluding VAT

£ 2,695

#### What's Included

- 5 days classroom training
- Lunch and refreshments for course duration
- Printed course notes
- 12 month access to eLearning Green Belt course
- 12 month free access to Green Belt Bootcamp Learning Platform, Toolkit, Case Studies and Downloadable Resources
- Green Belt Online Exam and Electronic Certificate
- Unlimited Practice Exams and Re-sits free of charge
- Email Tutor support via discussion groups



## Group Training

Every company's needs, culture, areas of focus and strategy are different.

Therefore sometimes, simply putting people on a course isn't enough to make the difference.

Just as your needs are unique, your training solution needs to be unique too if it is to truly make the difference and bring about the behavioural change you seek – which ultimately gives you a competitive advantage and more importantly, a return on your investment.

Our Group Training courses consist of a combination of live Instructor-led in-person or virtual training sessions combined with self-study online learning.

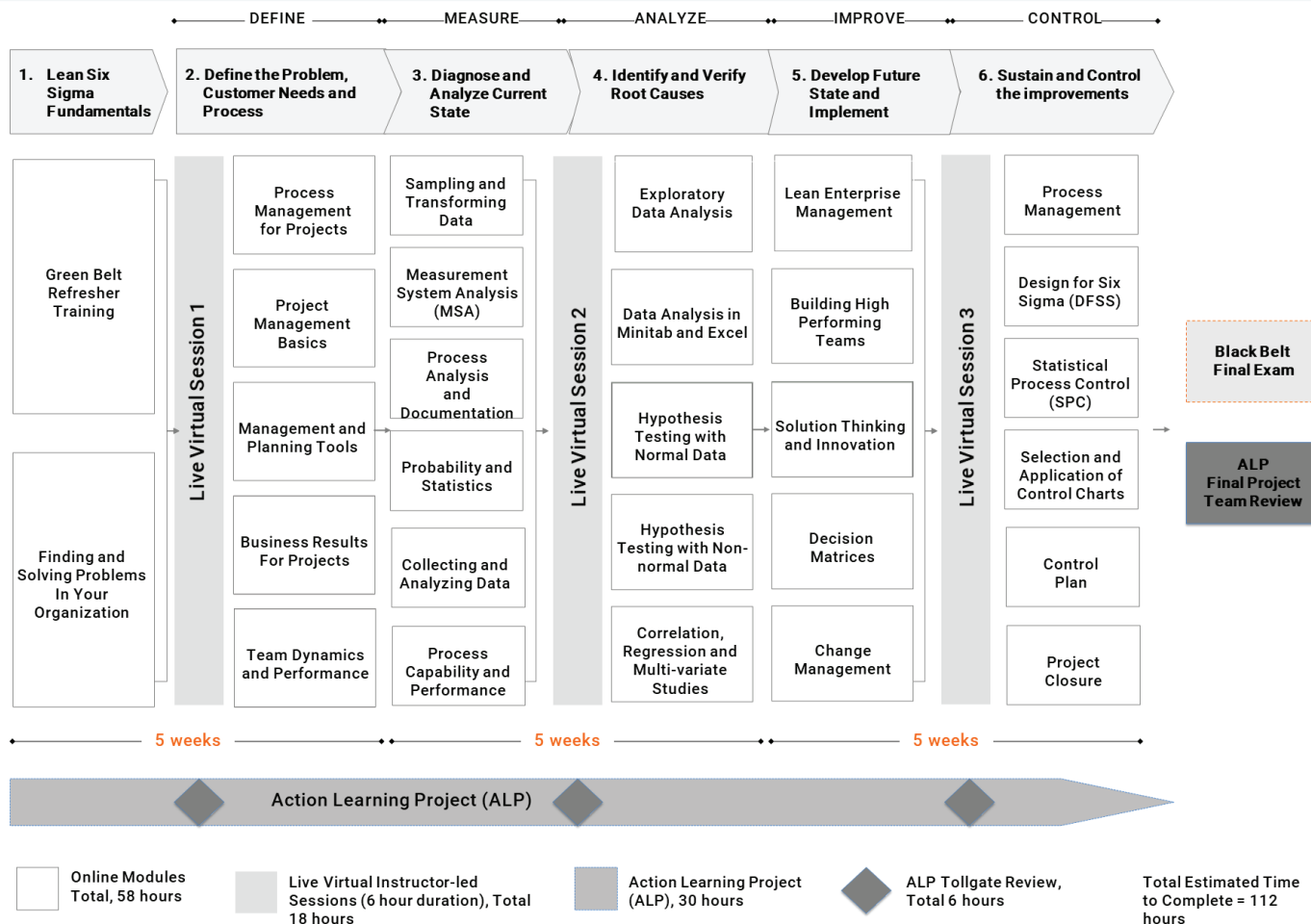
One of the biggest challenges of learning and applying continuous improvement is sustaining the momentum needed to achieve results. Designed around a series of brief doing and learning activities, Group Training provides direct and on-going engagement with our qualified Master Black Belt experts who bring substantial business and organisational experience working in both traditional ways, one to one, face to face or remotely.

A Group Training approach can be structured to include as few as a single on-site session, or may be done completely virtually. The timing and content for the coaching sessions are agreed in advance to provide maximum impact/benefit to the participants and their projects.

### You choose:

- The delivery style – classroom, virtual, eLearning, or a combination through blended learning.
- Choice of format and duration - to allow for project work to be completed alongside learning.
- The support needed – one-to-one coaching, group coaching and eLearning access duration.
- The subjects to include – pick out the topics or subjects that you want to learn.
- Timing – number of days at a time, start time, finish time, weekends, evenings, day shift or night shift.
- Certification – real projects, case studies or examinations with no projects.
- Projects – Develop new or use industry, company or function exercises.
- Feedback – access to our systems, monthly reports and discussions with trainers.
- Customized and branded courseware in several European languages.
- Guest speakers and benchmarking site visits built into training sessions.





### E-Learning Modules

58 Hours

### Instructor-led Live Virtual Sessions

18 Hours

### Action Learning Project (ALP)

30 Hours

### ALP Tollgate Review

6 Hours

### Estimated Duration

112 Hours

### Customize your team training experience

- Choice of delivery format (E-Learning, Virtual, Face-to-Face or a mix of all three).
- Delivered when, where, and how you want it.
- Full-scale programme development.
- Tailored content.
- Expert team coaching.
- A dedicated online learning environment for your organization.
- Progress tracking towards project completion and certification.

**Do you have a training need or a group project you want to talk to us about**

**Just get in touch**

## GAME CHANGE

When considering your choice of training provider the real benchmark is the best practice process used by companies such as GE, Motorola and Honeywell. Their robust approach, requires training content to not just focus on building technical competence but also a demonstration of the practical application of the DMAIC methodology to project scenarios and developing the skills in selecting the right tools and techniques. This is the same approach adopted by Game Change which is why our training is truly world class.

The content of the Game Change programs exceeds what is specified by ISO18404 and also aligns to the ASQ(American Society of Quality) Body of knowledge and other best practice standards providing a recognized route to developing skills and career advancement.

Our certification process remains true to the spirit of Lean Six Sigma set by the early adopters such as Motorola, GE, Honeywell, Toyota and the analytical rigour and 'learn by doing' standards necessary to ensure course participants gain full appreciation of the practical skills needed to achieve World Class Lean Six Sigma Certification.



[www.game-change.com](http://www.game-change.com)