



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



LEAN SIX SIGMA

MASTER 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.

**We don't deliver training,  
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.

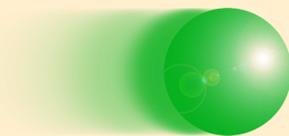
The merging of these two methodologies provides a powerful and proven approach that engages the entire workforce in continuous improvement to achieve business results.



### YELLOW BELT (2 DAYS)

“SURVIVAL-KIT”

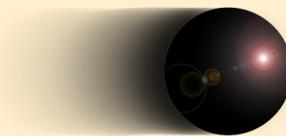
TO UNDERSTAND LEAN SIX SIGMA PRINCIPLES AND BASIC TOOL-KIT IN SUFFICIENT DETAIL TO MAKE A MEANINGFUL CONTRIBUTION TO IMPROVEMENT PROJECTS AND SUPPORT IMPLEMENTATION.



### GREEN BELT (5 DAYS)

“PRACTITIONER LEVEL”

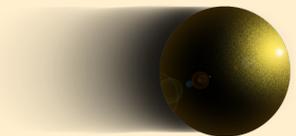
UNDERSTANDING OF THE DEFINE-MEASURE-ANALYSE-IMPROVE-CONTROL ROADMAP AND ACTIONABLE TOOL-KIT AND TECHNIQUES TO SUCCESSFULLY IMPLEMENT CONTINUOUS IMPROVEMENT PROJECTS.



### 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.

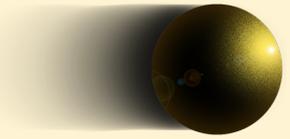


### MASTER BLACK BELT (5

“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.

# MASTER BLACK BELT TRAINING



Trends, change, strategy, bottom line – these are just some of the factors that govern and have the power to make or break today's organizations.

To be successful, leaders need to consider new – and often confronting – ways of thinking, exercising judgement to make decisions and motivate others.

A Master Black Belt has the “Expert” skills, desire and leadership ability to train and coach Yellow, Green and Black Belt's in Lean Six Sigma principles and to guide senior management in implementing organization-wide continuous improvement.

You will emerge from this training program with exceptional skills to use the full array of Lean and Six Sigma tools and techniques, statistical and quantitative methods as well as change leadership across all functions and levels in your organization. An Expert in process variability reduction (DMAIC), process waste reduction (LEAN) and growth through innovation (DFSS) principles.

As part of the certification criteria, a Master Black Belt candidate will be required to submit a guided audit of two projects which evidence the use of tools and techniques associated with Lean Six Sigma and the DMAIC roadmap.

## How you benefit:

- **Gain global insights.** Through real case studies and explorations, your assumptions are challenged and you gain new perspectives. More competent as a manager. Become a more competent and confident manager with new insights, knowledge and skills.
- **Develop consultancy and leadership skills** to manage the full Lean Six Sigma project life-cycle from planning and scoping through to implementation.
- **Learn how to influence** organizational “buy-in”.
- **Frameworks to activate teams.** Learn frameworks for inspiring people and motivating them to perform better.
- **Achieve greater confidence.** Develop confidence in your knowledge by testing your assumptions and making them more robust.
- **Develop leadership ability** to train and coach Yellow, Green and Black Belt's in Lean Six Sigma principles.
- **On-going personal and professional development.** Master Black Belt Certified in process variability reduction (DMAIC), process waste reduction (LEAN) and growth through innovation (DFSS) principles with the added benefits of joining the Game Change alumni community.

## Participant profile:

Master Black Belt Training and Certification is designed for Certified Black Belt's seeking the full perspective needed to lead continuous improvement and change initiatives by developing their strategic understanding, organizational wisdom and technical capabilities.

This programme will benefit continuous improvement professionals in the position of leading strategic change initiatives in their organizations, who are typically in middle to upper-middle management with at least eight years' experience and responsible for teams, units or larger business divisions. It is also relevant for individuals preparing to transition into such roles. [capability](#)

## Alumni Status

Continuous Improvement is not a destination but a journey. Accordingly, the Lean Six Sigma Master Black Belt Training and Certification is designed to be a transformative experience within a life-long leadership and learning journey with close, structured contact during the course and looser networked contact thereafter.

Upon receiving Master Black Belt Certification you become a full member of the Game Change Alumni Community, which is open only to Certified Game Change Master Black Belts.

This elite worldwide network, in around 24 countries, many with very active leadership roles is committed to providing enhanced expertise, professional networks, tools, and solutions to support continuous improvement professionals.

As part of the alumni community, you benefit from lifelong networking and professional development opportunities including regional events, refresher programmes, exclusive access to quality knowledge, solutions and resources to solve challenges, skill development to advance your career and reduced rates for all Game Change learning programmes.

**Course Pre-requisites:** Lean Six Sigma Black Belt Certificate either with Game Change or another bonafide training provider (evidence required during registration process)

## Exam and Certification

Exam: 75 Questions  
Duration: 120 min.  
Pass Mark: 70%

- Achieve 70% pass mark in the Master Black Belt multiple choice final exam
- Submit 2 completed Lean Six Sigma Black Belt Projects. Pass Mark: 70%



## Blended Learning

The Master Black Belt programme is now offered in a blended format, giving you the flexibility to learn virtually from anywhere in the world, as well as a classroom venue.

**Delivered over 20 weeks** that combines instructor-led virtual and in-person classroom sessions, video lectures, real-life examples, discussions and quizzes to bring the key concepts to life. Each week of content follows a very clear path to facilitate learning for busy professionals. Our learning platform allows participants to **learn at their own pace** during each week, by viewing the content, completing assignments and engaging in discussions, taking on average **4-6 hours per week** to complete.

The course provides a ready-made support network via our online learning platform where you can get in touch with course instructors and fellow participants facing similar challenges.

## eLearning 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 Classroom and 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

As a course participant, you will complete approximately 60 hours of online material supported by virtual instructor led sessions. We have split each block of preparation into manageable chunks of time.

## 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 3 Live Instructor-led Virtual Sessions, 6 hours duration each, Total 18 hours.

Like the other participants, you will bring your experiences to the classroom for in-depth and stimulating learning sessions with your fellow participants and course instructors, you will take a collaborative approach to the subject matter allowing you to;

- Expand your networking opportunities through specially designed virtual sessions
- Engage in small group discussions focused on your change initiative
- Develop your personalized change agenda facilitated by experienced coaches
- Master Black Belt instructor's challenge your ideas

## Classroom Training

Our typical training class includes a mix of international participants from a wide variety of industries who bring their experiences to the classroom for in-depth and stimulating learning sessions with fellow participants and instructor's, so you will take a collaborative approach to the subject matter.

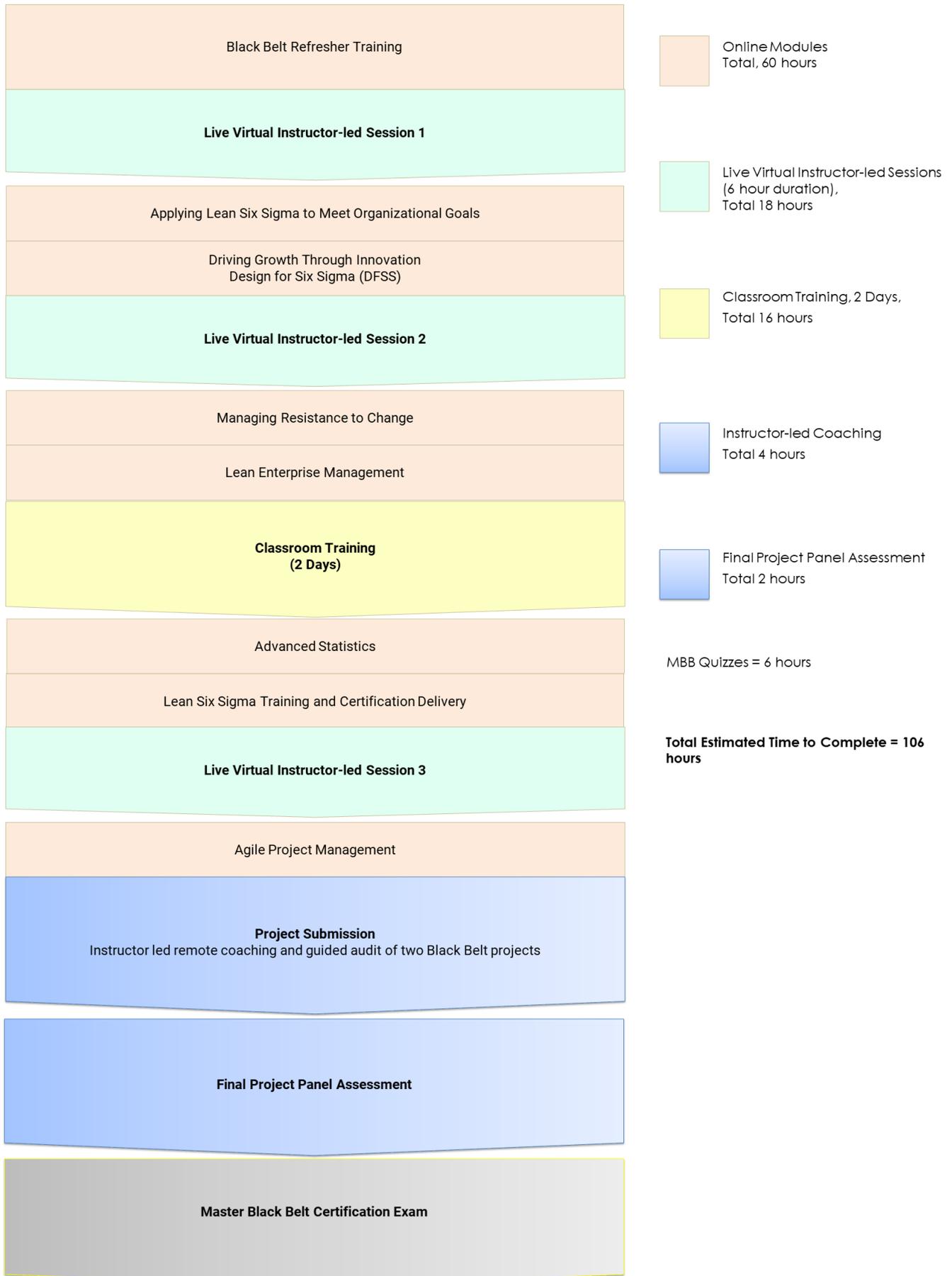
## Apply Your Learning At Work

This course will enable you to build a solid understanding of what Continuous Improvement is, and ultimately develop the needed strategic response relevant to your organization.

As part of the certification criteria a Master Black Belt candidate will be required to submit a guided audit of two Black Belt projects which evidence the use of tools and techniques associated with Lean Six Sigma and the DMAIC roadmap. Course Instructor led Remote Coaching is available to all participants for the duration of the course to assist with final project submissions prior to attending the final exam.

The breadth of topics covered in your core modules will give you the confidence to a clear set of priorities to create an action plan that can be used immediately upon your return to work.

## Course Format



**Course Format**

<b>Modules</b>	<b>Time</b>
1.0 INTRODUCTION TO MASTER BLACK BELT TRAINING COURSE	6 Hours
2.0 APPLYING LEAN SIX SIGMA TO MEET ORGANISATIONAL GOALS	7 hours
3.0 LEAN SIX SIGMA TRAINING DESIGN AND DELIVERY	6 Hours
4.0 MANAGING RESISTANCE TO CHANGE	8 Hours
5.0 DRIVING GROWTH THROUGH INNOVATION, DESIGN FOR SIX SIGMA (DFSS)	10 Hours
6.0 ADVANCED STATISTICS AND DATA ANALYTICS	9 Hours
7.0 AGILE PROJECT MANAGEMENT	6 Hours
8.0 Lean Enterprise Management	8 Hours

<b>E-Learning Modules</b>	<b>60 Hours</b>
<b>Instructor-led Live Virtual Sessions</b>	<b>18 Hours</b>
<b>Classroom Training 2 Days</b>	<b>16 Hours</b>
<b>Instructor-led Coaching</b>	<b>4 Hours</b>
<b>Final Project Panel Assessment</b>	<b>2 Hours</b>
<b>Master Black Belt Quizzes</b>	<b>2 Hours</b>
<b>Estimated time to complete</b>	<b>106 Hours</b>
<b>Course Duration</b>	<b>20 Weeks</b>
<b>Course Fee (excluding VAT)</b>	<b>£ 3,995</b>

<b>What's Included</b>	<ul style="list-style-type: none"> <li>• 60 hours eLearning with Integrated Roadmaps and Quizzes (12 months access).</li> <li>• 2 days classroom training including lunch and refreshments</li> <li>• Additional 18 hours Instructor-led Virtual Classroom</li> <li>• Guided audit of two completed Black Belt projects including 4 hours coaching</li> <li>• 12 months free access to Master Black Belt Bootcamp Learning Platform, Toolkit, Case Studies and Downloadable Resources</li> <li>• Master 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> <li>• Full member of the Game Change Master Black Belt Alumni Community</li> </ul>
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## 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)