Black Belt Upgrade Training

Operational Excellence Training

Key Points

Course overview

Lean Six Sigma Black Belt Upgrade training is designed for anyone who has previously completed Lean Six Sigma Green Belt training – either with us or another company - and now wishes to study to become a Lean Six Sigma Black Belt.

This course has been designed so that you do not have to undertake the full Black Belt course, as you have already demonstrated your knowledge of Lean Six Sigma to Green Belt level.

We ask all delegates to review our online Green Belt material to refresh their memory before the course begins. Following the course, you can certify as a Lean Six Sigma Black Belt by completing two projects, one of which can be your Lean Six Sigma Green Belt project.

The course uses a variety of training techniques to ensure the learning is as effective as possible. This includes online study, classroom sessions with a Master Black Belt, and one-to-one coaching with a dedicated Master Black Belt tutor.

Free online Black Belt

Lifetime support

90 CPD Points

Included

1-1 coaching

WiFi

Lunch and refreshments

Free 30 day Minitab trial for first time delegates

Did you know?

The average Black Belt will earn the company a minimum of seven times the cost of training in the first project they complete.

A certified Lean Six Sigma Black Belt can expect an average salary of £70,000. The top 10% earn more than £100,000.

★★★★★

100% Effective's Black Belt training has an average customer satisfaction rating of 4.8 out of 5.

[Figures true of March 2016]

Black Belt Upgrade Training

You'll need:

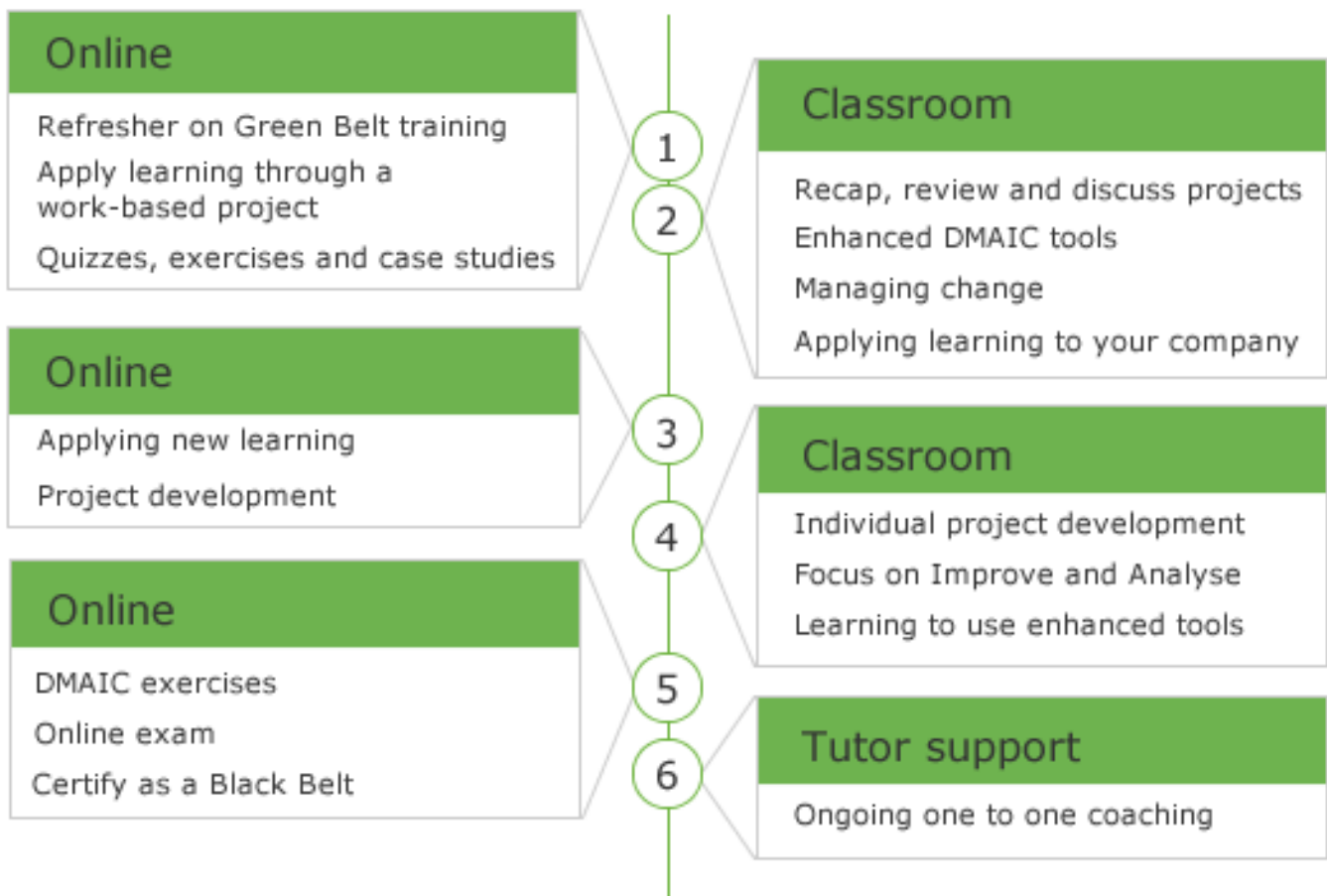**A laptop computer and a calculator**

Minitab is a Windows-based software so it is incompatible with Mac laptops

Course content

The upgrade course is delivered using our unique blended learning techniques which combine classroom, group and online exercises to make the learning more effective.

You will receive access to all of the course material, narrated by a Master Black Belt, via our eLearning portal for 12 months.

The course follows this structure:

Online
- Refresher on Green Belt training
- Apply learning through a work-based project
- Quizzes, exercises and case studies

1
2

Classroom
- Recap, review and discuss projects
- Enhanced DMAIC tools
- Managing change
- Applying learning to your company

Online
- Applying new learning
- Project development

3
4

Classroom
- Individual project development
- Focus on Improve and Analyse
- Learning to use enhanced tools

Online
- DMAIC exercises
- Online exam
- Certify as a Black Belt

5
6

Tutor support
- Ongoing one to one coaching

Black Belt Upgrade Training

What you'll learn

The Lean Six Sigma Black Belt training course utilises every learning style to ensure delegates learn everything they'll need to be effective in their roles.

The course covers not only Lean Six Sigma techniques, but also covers essential change management skills.

Introduction to learning
- Recap on Lean Six Sigma Green Belt
- Detailed review of the Black Belt role and what makes it effective
- Little's law – project selection and management

Define
- Project Charters and how to make them effective
- Process Mapping including –SIPOC, Swim Lane, Sigma Logic, IDEF
- Value Stream mapping followed by exercise
- How to create and build an effective team
- Voice of the customer/CTQs in detail
- Quality Function Deployment (QFD) and the Kano Model followed by exercise
- Stakeholder analysis – how to fully utilise the tool for project success
- Project Planning tools and techniques
- Risk Assessment – Failure Mode Effect Analysis (FMEA) with

Measure
- Variation and Tampering
- Review of Minitab
- Graphical displays – Histograms, dot plots, box plots etc using Minitab
- Data collection planning to ensure success
- Measurement systems analysis and Gauge R&R
- In-depth understanding of sampling
- Process capability
- Control charts
- Moments of truth and how to identify them followed by exercise
- Theory of constraints

Analyse
- Data analysis of non-normal data
- Confidence intervals
- Understanding Distributions and what they mean in analysis
- Hypothesis testing
- T tests
- F tests
- ANOVA
- Chi squared
- Design of Experiments
- Regression and correlation

Improve
- Simulation to practice DMA phases
- Generating solutions and creative thinking techniques
- Lean Tool box in detail understand for manufacturing and service the following tools and how to apply them
- 5S and visual management
- Takt time
- Kanban and Flow (Push v Pull)
- TPM & OEE
- SMED
- Poka Yoke
- Reducing complexity
- Standardisation
- Evaluating and selection solutions
- Pilot testing
- Presenting final solutions/Presentation skills and practise
- Simulation to practice Improve phase

Control
- Control plans – how to monitor and control a process
- Saving calculation – Cost of non-quality, financial calculations
- DMAIC summary
- DFSS overview

Effective Change Management Skills
- Advanced Presentation skills
- Advanced Facilitation skills
- Running Kaizen events
- Running simulation exercises
- NLP
- Body Language
- Feedback and coaching
- Change management for business
- Conducting a business diagnostic
- Overcoming resistance to change
- Motivation skills
- Influencing skills
- Time management skills

Black Belt Upgrade Training

Delegate Feedback

"I was expecting good things, but the course exceeded my expectations. It was useful, applicable and really interesting."

"100% Effective know their field inside-out and are really helpful. The course delivery is one of the best I have had and I would recommend it to anyone."

"Both my Green Belt and Black Belt Upgrade Lean Six Sigma courses have been excellent. I cannot recommend you highly enough and am spreading the word among those I know."

Training objectives

The key objective is to enable Lean Six Sigma Green Belts to obtain Lean Six Sigma Black Belt certification in the most effective manner. At the end of the Lean Six Sigma Black Belt Upgrade Training Course you will be able to:

- Improve a business using DMAIC and Lean Six Sigma across any function
- Apply Lean Six Sigma principles, tools and techniques and explain the concepts to others
- Lead Lean Six Sigma improvement teams to solve complex multi-functional problems
- Understand and implement change in a business
- Apply and understand the voice of the customer in all areas of business
- Collect and analyse data correctly to support informed decision-making
- Use data to identify the root causes of problems
- Develop and implement solutions, using advanced Lean Six Sigma methodologies, to ensure problems are solved permanently
- Certify as a Lean Six Sigma Black Belt to enhance your professional status
- Act as a Lean Six Sigma ambassador within any organisation

Upon completion of the Black Belt course, an online exam and one completed project (provided you already submitted one for your Green Belt training) you can apply to certify as a Lean Six Sigma Black Belt at no additional cost.

What's in it for me?

Lean Six Sigma Black Belt training is the required certification level for many senior management roles, in particular those responsible for Operational Excellence and Process Improvement.

The Black Belt is designed for professionals with senior responsibility for change management projects, which can be related to cost management, waste reduction, variance removal or cultural change. At this level you will move beyond an operational knowledge of Lean Six Sigma tools and methodologies, to a more sophisticated and strategic understanding.

For more help and guidance on the right training course for you, just get in touch.

[100% Effective]

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