Online Lean Six Sigma Black Belt Training

Quality - Support - Innovation

Lean Six Sigma Black Belt training gives you the skills you need to solve complex, cross-functional problems in a structured, strategic way to ensure they do not return. At this level, Lean Six Sigma practitioners are capable of transforming an organisation, facilitating major improvements and over-seeing cultural change.

Black Belt training is fast becoming a requirement for many senior management roles around the world. And our new Lean Six Sigma Black Belt eLearning course is ideal for all.

The course uses the latest in technological and educational development to create a unique, interactive experience that works with all learning styles.

You can work through the course at your own pace, then use your free support as you work through your projects and certify.

Once certified, you will be able to reduce costs, improve quality and enhance efficiency within your place of work. Realistic case studies can be provided if necessary.

You don't need experience of Lean Six Sigma to take this course.

Online Lean Six Sigma Black Belt Training

This Black Belt course is the highest practical level of training you can take in Lean Six Sigma. It provides an inter-nationally-recognised qualification. Certified Lean Six

Sigma Black Belts are in high demand due to their knowledge and understanding of improvement.

The most effective Black Belts combine

their technical ability with strong personal skills to drive change. This course covers the DMAIC framework but also provides the soft skills necessary to engage with people.

Intro and prep

Introduction to training
What is Lean?
What is Six Sigma?
Essential problem solving tools

1

2

Black Belt training - 1

The training covers:

DMAIC training

Project identification and development

Managing change

Roles, responsibilities, skills and structure

Exercises to reduce variation, understand the 7 Wastes and create a lift speech

Coaching

Dedicated MBB tutor support
Review and develop your project

3

Black Belt training - 2

Process Mapping and Visualisation
Define, Measure and Analyse tools
Advanced change management
Data collection and management
Identifying root cause and understanding cause and effect

4

Project development

Application of learning
Work through the DMAIC framework
Free online tools and resources

5

Black Belt training - 3

Improve and control tools
Generating solutions and creativity
Testing and evaluating solutions
Control plans
Calculating savings and benefits

6

Coaching x 2

2 additional tutor sessions
Review any aspect of the Black Belt learning
Finalise project work ahead of certification

7

8

Project submission x 2

Storyboard submission
Discussions with a Master Black Belt
Advice to improve if your project does not certify

Certification

Storyboard presentation
Certification and LSS registration
Verifiable and life-long

9

Benefits

Individuals that are certified as Lean Six Sigma Black Belts are in high demand - and it shows. **A certified Lean Six Sigma Black Belt can expect an average salary of £70,000**, and the top 10% earn more than £100,000 (figures true of March 2016).

The benefits to the employer are just as clear: Our research found that the average **Black Belt will deliver a minimum of seven times the cost of training in the first project** they complete. Many will deliver much more, and most Black Belts deliver three projects per year so the value quickly stacks up. Following the course, you will be able to:

- Improve a business across any function
- Apply Lean Six Sigma well and explain the concept to others
- Lead improvement teams to solve complex multi-functional problems
- Understand and drive change in a business
- Apply and understand the Voice of the Customer
- Collect and analyse data correctly to support informed decision making
- Use data to identify the root causes of problems
- Develop and implement solutions, to ensure problems are solved permanently
- Certify to enhance your CV
- Act as a Lean Six Sigma ambassador within any company

By completing the Black Belt course you'll get 170 CPD points.

Overview

Studying through eLearning can be ideal for subjects as complex as Lean Six Sigma.

Online training delivers the ultimate in flexibility, which means you can learn at your own pace and revisit challenging topics as often as you need. Plus, with unlimited email support, you won't be on your own as you work your way through the course.

Our online Black Belt training is fully optimised, so you can **use it on your tablet, laptop or desktop**.

However, you won't be tied to your screen for the entire course as there are a number of offline documents and activities to complete, including your project work.

You'll have access to the course for one year.

All of our eLearning has a British voiceover and include quizzes throughout in order to cement your learning.

Following the online Black Belt course you will take an exam, and will be expected to submit two completed projects in order to certify.

We follow the best practice certification process: This ensures you have understood Lean Six Sigma at Black Belt level, and have successfully completed a minimum of two projects illustrating clear benefit to the business.

Course Content

INTRO

- Introduction to eLearning with 100% Effective
- Overview of Lean and Six Sigma
- Skills of an effective Black Belt
- Roles and structures
- DMAIC roadmap
- Identifying a Lean Six Sigma project
- Setting up your project

DEFINE

- Overview of Define
- Project charter
- Key tools for defining a problem, including Is/Is Not and In/Out Scope
- Writing SMART goals
- SIPOC and process mapping
- Action planning, Gantt Charts and Tree diagrams
- Stakeholder Analysis
- Communication planning and strategy
- Voice of the Customer
- Kano
- QD
- Risk Management and FMEA
- Team Selection and Launch
- Project Planning and calculating benefits
- Gate Reviews

MEASURE

- Overview of Measure
- Introduction to Statistics
- Visualising data, including Scatter Plots, Pareto Charts, Pie Charts and Time Series Plots
- Process Mapping in more detail
- Cycle Time and Critical to Customer
- Introduction to Minitab
- Data Collection
- Process Metrics
- Sampling
- Measurement Sytem Analysis - standard and advanced
- Control Charts
- Process Capability
- Implementing Quick Wins

ANALYSE

- Overview of Analyse
- Looking for Relationships
- Identifying potential root causes
- Brainstorming, Brainwriting, Affinity Diagrams, 5 Whys and Cause and Effect diagrams
- Statistical Analysis
- Hypothesis Testing using Minitab
- Analysis of Variance
- Two Sample T-Test
- Hypothesis Testing
- Correlation and Regression
- Non Paramentric Statistics
- Multiple Regression

IMPROVE CONTROL SKILLS

- Overview of Improve
- Generating Solutions
- Prioritising Solutions
- Improving Prioritising Solutions ideas
- Solution Selection Matrix
- Designing Detailed Solutions, including 5S, Visual Management, Mistake Proofing and Process Balancing
- SMED
- TPM
- OEE
- Little's Law/PCE
- Kaizen
- Validating your Solution
- Design of Experiments
- Planning for Implementation
- Validating Benefits

- Overview of Control
- Standardisation and Training
- The Control Plan
- Confirming Improvements
- Celebrating success
- Closing Out

- Facilitation Skills
- Presentation Skills
- Coaching Skills
- Negotiation Skills
- Maslow's Hierarchy of Needs
- Change Management
- Kotter
- Kurt Lewin 3 Phase Model
- The Change Curve
- Forcefield Analysis
- Influencing Skills

Fully optimised

One year's access

Unlimited, lifetime support

170 CPD points

Prerequisites

There are no prerequisites for taking online Black Belt training with 100% Effective.

Unlike other courses, there is no necessity to work through the Green Belt first. If you have already taken a Green Belt course, you may find our Black Belt Upgrade course is more suitable.

As this is an English language course, you should be proficient in English to business standard or you may struggle with some of the terminology.

Be aware that Minitab is required to complete the training and is not currently included in the course. Talk to us about a 30-day free trial.

Also be aware that Minitab software is not compatible with Macs so you may need to find an alternative computer to complete these sections of the course.

100% Effective's Online Black Belt training has a high customer satisfaction rating, with an average score of 4.8 stars out of 5.

Is it for me?

Black Belt training 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) in any industry or sector.

However, it is also a great choice for anyone hoping to move into those roles in the future.

Following training to this level, you'll have a more sophisticated and strategic understanding of Lean Six Sigma tools and methods.

[100% Effective]

0800 066 3749
www.100pceffective.com

@100pceffective   /100pceffective   /company/100-effective-training-ltd