

Our Contact Details



+44 (0)20 7484 5311



info@morpheus-group.com



CHANGE WITH US[®]

About the Morpheus Group

The Morpheus Group consists of three integrated and complimentary brands; a recruitment business, consulting practice and training offering. Our business deliberately straddles the recruitment, consulting and training disciplines in order to offer our clients a joined up service offering across the change management marketplace.



Morpheus Training supports companies that are looking to improve process and manage change internally. Our expert trainers achieve this through the effective transfer of knowledge to groups or individuals at any level using effective mentoring (to Director Level) and bespoke material relevant to our client's operation.

Our experienced training consultants run internal or 'in house' courses for clients as a preferred option to public or open training. Experience tells us that clients prefer to run training on their own premises where possible as accommodation and travel costs are kept to an absolute minimum. Internal courses also enable us to run standard or bespoke training for your staff alone, which means that all training examples and illustrations will be familiar and specific to your business.



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Lean Six Sigma Green Belt to Black Belt Conversion

Training Purpose

Six Sigma usually refers to a project based continuous improvement methodology aimed at reducing defects in processes, both in manufacturing and service industries. It can be applied in every industry and in every department. Typically a company's employees are trained to work in teams and apply a series of rigorous tools and techniques to improve processes, customer satisfaction and profitability. The Six Sigma methodology can also be applied in not for profit organisations to improve service delivery and value for money.

Our **Lean Six Sigma Green Belt to Black Belt Conversion** consists of 2 x 1 week training sessions (10 days training) conducted over a 3 month period.

The training is practically based with the training weeks split with a gap of around 4 to 6 weeks between each training week. During the training we use real life data from appropriate examples reinforce the tools and methodology.

Additionally during the gap between each training week the delegates are expected to work upon a project within their workplace applying the methodology learned during the previous week's training.

Course Objectives

Upon completion of the course delegates will be proficient in the use of all Lean Six Sigma tools. They will be able to apply the tools to complex projects aimed at delivering an improvement and financial saving in their chosen process. In addition, they will have sufficient knowledge to coordinate Green Belt project activity.

We aim for Black Belts to be self sufficient internal consultants.

Who Should Attend?

The course is designed for those delegates already proficient with process improvement to Green Belt level and who are seeking to develop their knowledge still further, in order to move on to higher impact process improvement areas.

Pre requisites

It is anticipated that candidates have already achieved Green Belt status. Candidates should be comfortable dealing with people at all levels in their business and have the resilience required to tackle complex operational problems. It is also important that candidates are receptive to new ideas and concepts. A good working knowledge of Microsoft® Office is essential. Attendees should have access to a laptop loaded with Microsoft Excel™, Microsoft Word™, Microsoft PowerPoint™ and MINITAB™ Statistical Software, for the duration of the course and beyond.

Topical Outline

Week 1

- Define and Measure phase Review
- Role of the Black Belt
- Capability Analysis Revision
- Measurement System Analysis Revision
- Non-Normal Capability Analysis
- Multi-vari Charts
- Central Limit Theorem
- Confidence Intervals
- Hypothesis Testing of Means, Variances and Proportions
- Non-Parametric Testing
- ANalysis Of VAriance (ANOVA)
- Correlation and Regression
- Power & Sample Size
- Project Presentations

Week 2

- Polynomial & Multiple Regression
- Introduction to Design of Experiments
- Full Factorial Designs
- Fractional Factorial Designs
- Central Composite Designs
- Control Chart Revision
- Countermeasure matrix
- Control Plans
- Introduction to Design for Six Sigma
- Project Presentations

For more information about Morpheus Training, please contact us on:
+44 (0)20 7484 5311 or via email at info@morpheus-group.com
Head Office: 8 Duncannon Street, Golden Cross House, Strand, London. WC2N 4JF

