

Realise your potential.....



# Design for Six Sigma Green Belt Training

2018 (dates to be confirmed)

Stoneleigh Abbey Mews,  
Warwickshire, CV8 2LF  
UK



SCB Associates Ltd  
[www.scbuk.com](http://www.scbuk.com)

# Design for Six Sigma

Design for Six Sigma (DfSS) focuses on the application of the Six Sigma methodology to the design of new technologies, products and processes. Whereas Operational Six Sigma is about improvement of existing processes, DfSS is about achieving "right first time" new designs that satisfy customer requirements to a Six Sigma quality level.

## Who should attend?

The DfSS Green Belt course is aimed at designers and managers working in product or technology development – particular benefits can be achieved by design teams attending this training together. It is not just a "delta" course for experienced six sigma practitioners - no prior six sigma knowledge is required to get the most from this training. This highly interactive 12-day programme is spread over four monthly modules and is focussed on developing DfSS practitioners. Integrating the training with company design projects brings both immediate benefits to the business and valuable application experience for the Green Belts.

## Course Pre-requisites:

- Availability to attend all 12-days of training
- Access to Minitab software version 16 or later
- Willingness to learn and contribute to the interactive training
- An appropriate design project to apply the learning (recommended)

## Course Price includes:

- Attendance at all four modules (12-days training)
- Comprehensive training materials and handouts
- Refreshments during the training including lunch
- 12-months access to technical helpline
- Guidance on project selection and on-going project support
- Green Belt certification (optional)-
  - Post training assessment testing
  - Interim review and feedback on project
  - Final project review and certification

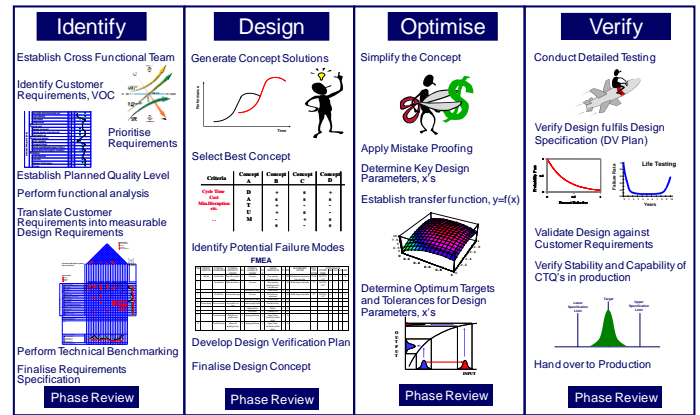
**Course fee – £2950 + VAT**

(Discounts are available for multiple delegates attending from one company)

# IDOV Roadmap

Successful implementation of DfSS requires the integration of the Six Sigma tools with the company Product Development Process (PDP). The IDOV (**I**dentify / **D**esign / **O**ptimise / **V**erify) roadmap can help facilitate this integration and provides a useful teaching framework.

## Course Structure



The interactive training format is based around instructor led teaching elements, backed up with exercises and practical hands-on workshops. The training will be split into four 3-day modules:

### Module 1 – Identify:

- Introduction to Design for Six Sigma
- IDOV Roadmap
- Foundational Statistics and introduction to Minitab
- Voice of Customer
- Functional Analysis
- Quality Function Deployment
- Project Charter

### Module 2 – Design:

- Concept Generation
- Concept Selection
- TRIZ Inventive Problem Solving
- Design Failure Mode & Effects Analysis
- Further Statistics – Hypothesis Testing
- Project Work and Presentations

### Module 3 – Optimise: Mistake Proofing

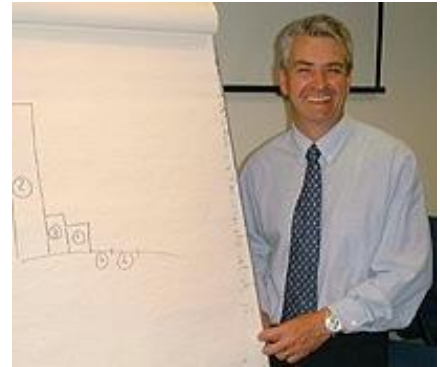
- Regression Analysis
- Design of Experiments
- Design for Manufacture and Assembly
- Project Work and Presentations

### Module 4 – Optimise/Verify:

- Robust Design
- Robust Tolerance Analysis
- Reliability Testing
- Measurement Systems Analysis
- Process stability & capability
- Project Work and Presentations

## Course Instructor – Simon Barnard

Simon has more than twenty-five years experience training and consulting in engineering and manufacturing organisations. A former Electronics Engineer, he spent his early career working on automotive and aerospace control systems for Lucas Research. In 1987 he was trained by Shin Taguchi in Taguchi Methods™ and was subsequently involved in its implementation within Lucas Industries.



He took the opportunity to bring Taguchi Methods to a wider audience by joining ASI in 1989 and quickly expanded his training portfolio into QFD and other Continuous Improvement areas. In 1996 he was trained by TRIZ Master Victor Fey and more recently achieved MATRIZ level 3 certification, following extensive coaching by TRIZ Master Sergei Ikovenko.

With colleague Ray Greenall they built up a successful Six Sigma training business that was taken over by BSI Management Systems in 2006. Simon left BSI in 2007 to set up his own training and consultancy organisation – SCB Associates. His recent clients include Vestas (Wind energy), Danfoss (Power Electronics and Drives), Gurit (Composite materials), ASM Assembly Systems (Screen Printers), Martin Professional (Lighting Systems) and RSSB (Railways).

## Course Venue – Stoneleigh Abbey Mews, Stoneleigh, Warwickshire, CV8 2LF



The Grade II listed historical buildings of Stoneleigh Abbey Mews are situated in the beautiful grounds of Stoneleigh Abbey park. The buildings once housed the riding school and

stables for the Abbey but have been converted to provide a modern office and conference facility.

Situated between Coventry and Leamington Spa, just off the A46, which links the M40 with the M69 and M6, Stoneleigh Abbey Mews is easily accessible via road. Coventry and Warwick Parkway railway stations are within five miles and Birmingham International Airport is only a short 30-minute taxi journey away. The nearby local towns of Kenilworth and Leamington Spa offer a wide range of accommodation options (please contact us for an accommodation list).

To reserve your place on the training or to discuss any questions that you may have, please contact us:

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