

Lean Green Belt Module 2: Advanced Green Belt for Six Sigma Practitioners

Advanced Green Belt - a five-day practitioner course

This module complements Module 1, which introduces participants to the DMAICT process improvement methodology. The focus of Module 2 is on data collection and analysis and introduces the application of the Minitab statistical analysis software. It can be delivered in two sessions of two- and three-day duration or as a five-day course Monday-Friday.

The course is highly interactive, incorporating exercises and syndicate work.

**DMAICT – a structured improvement methodology:*

Define - Measure – Analyse – Improve – Control – Transfer

Designed for:

This course is aimed at individuals who have completed Module 1 and have a requirement to develop their process improvement skills further to include the statistical analysis tools.

Team applications are welcomed and the course schedule can be arranged to suit the timescales of the team.

The objectives of Module 2 are:

- To appreciate that all organisations have opportunities to continuously improve;
- To understand how Lean Six Sigma provides a rigorous approach to process improvement, using *data*;
- To appreciate how the Lean Six Sigma DMAICT methodology can be applied to reduce variation and improve the capability of a process;
- To appreciate how the use of data can help to find and eliminate variation from processes;
- To understand how data will help us to “act on fact”.

“I very much appreciate the effort you put into taking a potentially dry academic subject and delivering it in such an engaging manner”

Delegate who attended the 5-day Lean Green Belt course Module 2

See also:

- Managing Improvement using Lean and Six Sigma
- Lean Green Belt Module 1 – Making Improvements

AGENDA FOR THE 5-DAY ADVANCED GREEN BELT MODULE

Day 6	Day 7	Day 8	Day 9	Day 10
Introductions	Review of day 1	Review of day 2	Review of day 3	Review of day 4
Re-Introduction to Variation Define Phase -Baselining process capability	Measure Phase Measurement System Analysis	Measure Phase Process Capability	Analyse Phase Hypothesis Testing	Control Phase Control Charts
Lunch	Lunch	Lunch	Lunch	Lunch
Measure Phase Sampling Theory	Measure Phase Graphical Analysis	Analyse Phase Hypothesis Testing	Analyse Phase Correlation and Regression	Control Phase Control charts contd.
				Course Review, Summary and close



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Black Belt conversion

A number of the Green Belt candidates will demonstrate an aptitude for further development in the Six Sigma tool kit and can be nominated for further training to Black Belt level. We would recommend that this only be considered following the successful application of Six Sigma at Green Belt level.

The Black Belt conversion training builds on the Lean Green Belt modules 1 and 2 with two more modules, each of three days duration and application to appropriately chosen projects.

Course deliverers:

This course is managed and delivered by the Burge Hughes Walsh Partnership.

The Burge Hughes Walsh Partnership (BHW) offers training and consultancy in the field of process and operations management improvement. Clients have included The Office for National Statistics, The General Register Office, Companies House, Network Rail and various local councils. In the private sector, client companies include BAE Systems, AgCo, Rolls-Royce, Lisi-aerospace and many others.

BHW's portfolio includes Lean process improvement, Six Sigma, systems design, benchmarking and the use of the Business Excellence Model. 'Soft' skills training and personal development includes team-building, facilitation skills, communication skills, leadership and self-directed team development.

For more information on the Burge Hughes Walsh Partnership, follow the link: www.burgehugheswalsh.co.uk .