

Catalyst's Lean Six Sigma Public Training Courses



Lean Six Sigma Advanced Greenbelt (4 days + 3 days + 3 days)

Suitable For	This programme is ideal for Lean Six Sigma project team leaders and team members who need to be able to apply a wide range of Lean Six Sigma tools on real life projects
Duration	10 days
Dates, Price and Locations	Please view the website: www.catalystconsulting.co.uk
Book Now!	Call + 44 (0) 845 345 2282 or email info@catalystconsulting.co.uk

This course includes the Green Belt Foundation programme as its first module and goes on to cover the majority of statistical tools needed for DMAIC projects (Stats 1 and Stats 2). The course is very 'hands on' with practical activities throughout the programme. This course includes comprehensive training and use of the statistical software package MINITAB Release 14 or 15.

The course has proved to be equally relevant to manufacturing and service/transactional environments. The mix of delegates on the training is one of the attractions of attending this open programme. Each participant receives a comprehensive delegate pack including Catalyst's Lean Six Sigma Improvement Toolkit, Statistical Tool guides, Worksheets, Project examples and support materials for use in Minitab.

Lean Six Sigma Greenbelt – Foundation (4 days)

The course includes practical training on the structure of and tools used in Lean Six Sigma projects. Using the DMAIC process, delegates 'walk through' the project process. Through a combination of lecture, practical exercises, other media and shared experiences, delegates will become familiar with the steps in Lean Six Sigma DMAIC projects. This course has proved to be equally relevant to manufacturing and service/transactional environments. Each participant receives a comprehensive delegate pack including a copy of Catalyst's Lean Six Sigma Improvement Journey toolkit.

Curriculum Outline

This course is an accelerated foundation course concentrating on the Lean Six Sigma methodology. Delegates explore the Lean Six Sigma DMAIC Project Structure. Elements of each phase which are covered in the course include:

Define Phase

- Project Charter
- Voice of the Customer and Critical to Quality Requirements
- SIPOC
- Stakeholder Analysis
- Scoping Projects and team building

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Measure Phase

- Process Stapling
- Process Mapping to include Deployment Flow Charts and Value Stream Mapping
- Output (Y) and Input (X) Measures
- Data collection
- Introduction to sampling techniques
- Variation
- Statistical Process Control and Process Capability

Analyse Phase

- Fishbone Diagrams
- Root Cause Analysis
- Basic graphical analysis
- Waste (in processes)
- Process Flow
- Overview of data analysis techniques

Improve Phase

- Spaghetti Diagrams
- SMED
- 5S
- Process Leveling and Sequencing
- Creative Thinking
- N/3
- Paired Comparisons
- Priority Matrices
- Project pilots
- Tree and Arrow Diagrams
- FMEA
- Poke Yoka

Control Phase

- Process Control and Process Management
- SPC and Capability
- Standardisation
- Response Plans and Storyboards

A number of individual and team exercises are used to reinforce the concepts and encourage use of the tools. This course provides sufficient background for delegates to begin refining, in detail, their own projects and start the DMAIC approach.

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Statistics 1 and 2 (3 days + 3 days)

Statistics 1 topics include:

- Introduction to MINITAB™ Statistical Software
- Normality (Central Limit Theorem, P-values, Transforming Data)
- Sampling (Random and Process Sampling, Determining Sample Sizes, Selecting Samples)
- Measurement System Analysis (Data Types, Gauge R&R, Attribute Agreement Analysis)
- Introduction to Hypothesis Tests (Z- and t-tests)

Statistics 2 topics include:

- Hypothesis Tests (Analysis of Variance and Chi-Square Tests)
- Regression (Simple, Multiple, Binary Logistic)
- Control Charts (Continuous and Attribute Data Charts)
- Process Sigma (Short and Long-Term Sigma, Determining Process Shift, Improvement Strategies)
- Introduction to Designed Experiments (Full and Fractional Factorial Designs)

Don't take our word for it, hear from previous delegates:

'Enthusiastic and lots of real world experience of using Six Sigma. Good use of exercises and group discussion'.

Linda Murray, BUPA, Lean Six Sigma Green Belt Foundation programme

'Excellent, by day 2 I had learnt something which will save me days in my normal work'.

A Ainley, Fujitsu Siemens, Lean Six Sigma Foundation Green Belt programme

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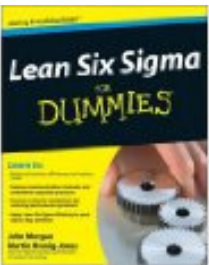
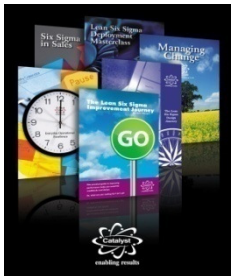
About Catalyst Consulting

Catalyst Consulting Ltd is a UK based specialist in business improvement techniques. We provide in-company and public Lean Six Sigma Training and Coaching support. Catalyst also provides a range of related services – including Balanced Scorecard, Hoshin Kanri, Kaizen, Process Management, Change Management, Leadership plus EFQM Model support and training. The company was established in 1995 and has trained literally thousands of people at all levels in Lean and Six Sigma techniques. Catalyst was selected by GE as European Trainer for their Black Belt and Master Black Belt programmes and the only external organisation accredited by GE Capital to provide Master Black Belt training in Europe. Our client list includes over 50 'blue chip' organisations including GE, Yell, BAA, Sun Microsystems, Lloyds TSB, O2, Siemens Medical, Dyson, Saint Gobain, Abbey National, BT, FLS Aerospace, NHS Trusts, Local Authorities, Financial Ombudsman Service, Novartis, Volvo and Rolls Royce. **The majority of this work has come as a direct result of recommendation from client to client.**

Venues

Our Public Training courses are held in Stratford upon Avon, Edinburgh, London and Paris.
Stratford upon Avon courses take place at the Swans Nest Hotel, a beautiful riverside location with many excellent restaurants and plenty to see and do 'after training,' especially visiting the home of the Royal Shakespeare Company, all within walking distance of the training facilities.
Edinburgh courses take place at the Offices of Quality Scotland ten minutes from Princes Street.
London courses take place in The Institute of Engineers Building 2 Savoy Place in the heart of the centre, close to Covent Garden and the West End.
Paris courses take place at the Minitab SARL training centre, 1 Cite Paradis, 75010 Paris. This training facility is situated very close to the Gare du Nord, Gare de l'Est and Gare St. Lazare.

Support Materials

	<p>We have a large range of highly acclaimed supporting materials to help us achieve our mission to enable results both for our clients and participants.</p>	
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To book places on our training programmes and assessment days or for further information, please contact us:

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+44 845 345 2282 (outside the UK)
email: info@catalystconsulting.co.uk

To view customer testimonials, please visit our website at: www.catalystconsulting.co.uk