

Catalyst's Lean Six Sigma Public Training Courses



Lean Six Sigma Black Belt (4 days + 3 days + 3 days + 3 days + 3 days)

Suitable For	This 16-day Lean Six Sigma training programme will take a Lean Six Sigma novice through to Black Belt level skills
Duration	16 days (Day One Lean Six Sigma Awareness Workshop optional) 20 days (with DFSS included)
Locations	Stratford upon Avon, London and Edinburgh
Dates	Please view our website for course dates
Price	Black Belt - £4,920 per delegate (plus VAT) Black Belt plus DFSS - £5,995 (with DFSS module plus VAT)
Book Now!	Call + 44 (0) 845 345 2282 or email info@catalystconsulting.co.uk

This course will suit anyone who needs a thorough understanding of what Lean Six Sigma is and how it works in practice. The course includes a practical introduction and training on the full range of Lean Six Sigma tools. On completion of this course delegates will be able to work as leaders of Lean Six Sigma DMAIC projects. This 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. No prior knowledge or experience is required. 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.

This programme includes training on the advanced (statistical) tools required to execute the full range of Lean Six Sigma DMAIC projects. Practical exercises are incorporated to provide relevant scenarios for delegates. During these modules each delegate will be required to use statistical software. We use MINITAB™ Statistical Software in our training. No prior knowledge of Minitab is needed. A full practical introduction is included at the start of the programme. Delegates will need to bring a laptop computer.



Curriculum

Lean Six Sigma Foundation (4 days) introduces the Lean Six Sigma principles and methodology. Delegates then cover the Define, Measure, Analyse, Improve, Control [DMAIC] phases in depth including: change management; project definition; charters; stakeholder analysis; process mapping; voice of the customer; Critical-To-Quality (CTQ); input/output measures; data collection; control charts; root cause analysis and basic non-statistical tools. Lean techniques including Value Stream Maps, 5S, Flow are integrated into the programme to show how the two approaches can work together and complement each other. Several individual and team exercises are used to reinforce the concepts and encourage use of the tools.

Change Management (3 days) covers the “softer” change management tools required to lead successful Lean Six Sigma projects. Topics included in this 3-day module include change management, team building, and conflict resolution. This module is delivered through a combination of presentation, case studies, videos and hands-on exercises.

Stats Tools 1 (3 days) topics include an Introduction to MINITAB™ software followed by 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) and Introduction to Hypothesis Tests (Z- and t-tests).

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Stats Tools 2 (3 days) 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) and an introduction to Designed Experiments (Full and Fractional Factorial Designs).

Black Belt Advanced Tools (3 days) covers more advanced statistical analysis tools. This module will begin with a challenging case study that will take the delegates from initial project charter development through a designed experiment. Subsequent advanced training in regression analysis (with indicator variables, curvilinear regression and logistic regression), hypothesis testing (non-parametric), control charts (non-Shewhart) and Design of Experiments (Taguchi) complete this module.

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

'As the name suggests, Catalyst really does enable results'.

Geert Bruyneel, Director Quality Care for Volvo Cars Gent

'The mix between knowledge and theory is very good. The trainers have a good balance of the theory and practical working experience'.

Jim Lennon, Diageo

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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.

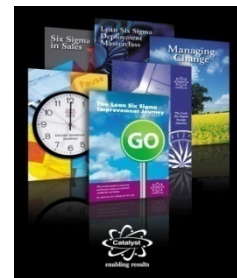
The company was established in 1995 and has trained literally thousands of people at all levels in Lean and Six Sigma techniques. Catalyst was selected by GE as European Trainer for their Black Belt and Master Black Belt programmes and the only external organisation accredited by GE Capital to provide 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 and London. Stratford upon Avon is 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. The Edinburgh location is ten minutes from Princes Street. Our London location is in Savoy Place in the heart of the centre, close to Covent Garden and the West End.

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.



To book places on our training programmes or for further information, please contact us:

0845 345 2282
+44 845 345 2282 (outside the UK)
info@catalystconsulting.co.uk

"The course attracted a mix of international delegates from service and manufacturing organisations which stimulated great discussions that helped to absorb the application of Lean SS Techniques. The main tutor, Jim Stephenson, delivered the course to an exceptionally high standard, carefully paced and with good balance between classroom and practical sessions. He was a highly experienced Master BB who had great mastery of Minitab and the ability to de-mystify the statistical side along with extensive consulting exposure. His teaching used many real life examples. He showed keen interest in each delegate and the challenges they faced in their projects offering ideas and helping to get started and build confidence. The course also included a really valuable session on the soft aspects of change management. Thank you Catalyst."

Sue Birch, Synergetic Ltd

To see more customer quotes, please visit our website at www.catalystconsulting.co.uk