

## Lean Six Sigma – Green Belt – 3 Days

Lean Six Sigma is a business improvement management system designed to help businesses improve their processes, their products, their quality, their service and their profitability. To do this Lean Six Sigma utilises a number of common-sense tools that have been developed and refined over the last 70 years into a structure that is used by extensively across the globe in every type of organisation.

Qualifications for Lean Six Sigma practitioners are provided in different coloured belts; yellow belt is intended for anyone that is directly involved in business improvement initiatives and provides a solid foundation of the knowledge required to effect positive change. Run over 3 days participants finish by completing an internationally accredited online multiple-choice exam with The Council for Six Sigma Certification.

### Day 1 – You will learn

- Lean Fundamentals – how to identify the 8 wastes of Lean thinking
- Six Sigma Fundamentals – what is Six Sigma and why it drive performance improvement
- Waste and Non-Value-Added Activity – erode profit you will learn how to identify, measure and plan to eliminate both
- 5S – The most used Lean tool, reduces waste, reduces variation and improves productivity
- Voice of the Customer – Understand what customers care about and making that your priority
- Kaizen – the strive for continuous improvement, there is always room for improvement
- Process Mapping and Value Stream Mapping – Map your processes to identify and action improvement
- Flow and Pull – how to balance your work to be in step with customer demand and why it matters

### Day 2.

- DMAIC Methodology – the six-sigma route to improvement projects management – Define – Measure – Analyse - Improve - Control
- Defining Problems and Projects – how to build and run projects that focus on specific issues and opportunities
- Business Case – Improving can take time and money, ensure your projects clearly identify the business and cost benefits
- SIPOC – quickly identify the end-to-end components of any process
- Pareto Analysis – use what is sometimes known as the 80:20 rule, identify and focus on the vital few not the less important many

- Root Cause Analysis Tools – sometimes an issue is just a symptom of the real problem but the root cause needs to be identified before it can be remedied.

### Day 3.

- Statistics – In this session you will learn the common statistic and graphical analysis models – how and when to use them
- Hypothesis Testing – Selecting the right tests for your project here we examine common testing models
- Sample Size – Selecting the correct sample size, running and analysing sample size tests
- Control Charts – How to select, create and interpret Control Charts
- Applying Statistics in business with Six Sigma – How to use statistics to be relevant and meaningful in the everyday business environment.

### Further information

The cost of the full programme is £1295.00 + VAT including qualification examination and accreditation.

To discuss how your business can benefit from Lean Six Sigma with a trained and accredited workforce please contact Mike Epton at [mike@cmbd.org.uk](mailto:mike@cmbd.org.uk) or by phone on 07733 107238.

About the training team.

Mike Epton - Business Consultant, Coach and trainer.

Mike is a Certified Lean Six Sigma Black Belt and Chartered Manager who has been using Lean Six Sigma tools and techniques since the 1980's when he was part of a team implementing J.I.T Manufacturing, Kaizen and Total Quality Management at Thorn EMI, he has since been a Director of other large businesses, owned SME company's and this year celebrates 21 years as an independent business consultant.

Trevor Durant - Business Consultant, Coach and trainer.

Trevor is a highly experienced Lean Six Sigma Black Belt with over 25 years of expertise in manufacturing, spanning a range of industries, including FMCG, brewing, food, confectionery, and textiles. Throughout his career, he has successfully led numerous improvement initiatives, delivering measurable results in efficiency, quality, and cost reduction. Before becoming a business consultant and trainer, Trevor held Director roles in manufacturing businesses where he was responsible for implementing all elements of a Lean Six Sigma programme.



Trevor Durant



Mike Epton