



## BSI Training Academy

# Lean Six Sigma Combined White, Yellow and Foundation Green Belt – Introduction to Lean Six Sigma, Structured Problem Solving and Continual Improvement training course

### Essential information about the course

Level 

Lean Six Sigma is an organizational approach to continual improvement which focuses on removing activities or items from processes that add no value whilst minimizing the variability of key process outcomes.

The first day of this course, Introduction to Lean Six Sigma (White Belt), is an excellent introductory level training course that gives delegates an awareness and understanding of the basic concepts of Lean Six Sigma. If you are involved in problem solving then the second day of this course, Structured Problem Solving (Yellow Belt), will help you adopt an effective, recognized and structured approach. You will learn about the “eight step approach” and the seven basic tools of quality so you can confidently apply them in your organization. Days three to five, Lean Six Sigma Foundation Green Belt Continual Improvement, will provide you with the skills to be able to use continual improvement techniques to enhance levels of quality and efficiency within your organization. You will learn to apply the DMAIC approach, the methodology behind Lean Six Sigma.

It has been designed for those who want to learn how the adoption of Lean and Six Sigma

based continual improvement techniques can help an organization streamline activities, reduce waste and develop processes that consistently achieve or exceed customer targets and expectation. Suitable for delegates from all levels of the organization and from organizations large or small in any sector, this course will help you to solve real business problems that deliver improvement and results. After this five day course you will be able to make step change improvements in quality and efficiency and this is an excellent starting point on the pathway towards being an ISO 18404 Certified Six Sigma Green Belt or Lean Practitioner.

This interactive five day course delivered by expert tutors is packed with practical workshops, group discussions and classroom learning. It uses our accelerated learning approach which increases learning by improving knowledge retention and skill application. The deeper understanding from this course will make sure you feel confident that you can apply the knowledge, and implement problem solving or continual improvement techniques as soon as you step back inside your organization.



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## Our course agenda

### Day 1 aims, objectives and structure

- Welcome and introductions
- Course aims, objectives and structure
- Lean Six Sigma methodology and the benefits organizations can gain
  - Why do we need to improve?
  - Introduction to Lean and Six Sigma
  - Process waste and Process variation
- Key Lean Six Sigma ideas and tools
  - Methodology
  - Customer focus
  - Tools and structure
  - Roles
  - Projects and objectives
- Benefits of data driven decision making
  - Internal, external, financial
  - Process capability study: measure phase
  - Different types of data
  - Measuring and interpreting data
  - Process capability study: Analyse and Improve Phases
- How to implement a Lean Six Sigma programme
  - Foundations and Criteria for Success
  - Lean Six Sigma and other systems
  - Lean Six Sigma standards
  - The relationship with ISO 9001:2015 and Quality Management Systems
- Close and final questions

### Day 2 aims, objectives and structure

- Introduction to problem solving
- Eight step problem solving
  - Define the problem
  - Implement an interim action
  - Acquire and analyse data
  - Determine root cause
  - Evaluate possible solutions
  - Action plan and implement
  - Verify the results
- Standardize and future actions
- Seven Basic tools (throughout the above stages)
  - Time Series Plots (Control Charts)
  - Check sheets
  - Pareto charts
  - Cause and effect diagrams
  - Scatter diagrams
- Histograms
- Flow charts
- Problem solving and management of quality and corrective action planning
- Close and final questions



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## Our course agenda

### Days 3-5 aims, objectives and structure

- The basics and principles of “Lean”
- “Plan, Do, Check, Act” problem solving
- Value added activities versus process waste
- Mapping the value stream
- Pull systems and process flow
- Workplace organization and visual management
- Error proofing
- The basics and principles of “Six Sigma (DMAIC)”
- DMAIC
  - Project scoping and definition (the Define phase)
  - Measurement and the use of data and statistics (the Measure phase)
  - Process understanding and root cause analysis (the Analyse phase)
  - Developing and implementing solutions (the Improve phase)
  - Process control and sustaining the gains (the Control phase)

**Book today at**

**[bsigroup.com/training](https://bsigroup.com/training)**



Upon successful completion of your course, you'll receive an internationally recognized BSI certificate.

We want to make sure you have the best learning experience possible. That's why we offer a range of training courses from beginner to expert. We create a positive learning environment so you retain the knowledge and acquire skills that will continue to be of use beyond the course.

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Make sure this is the right course for you.

## This course is for you if:

- You're part of a team implementing Lean Six Sigma
- Your organization is adopting Lean Six Sigma as its chosen improvement methodology and you are leading/working in an improvement team
- You're leading or are part of a problem solving team and need to learn a structured approach
- You need to apply effective and structured continual improvement techniques and methodologies to improve quality and efficiency
- You're helping to implement a Quality Management System such as ISO 9001 and want to gain knowledge on improvement techniques

## What's the course like?

- Five days
- Led by a BSI expert tutor
- Relaxed and comfortable learning environment
- You'll receive comprehensive course materials to take away

## How will I benefit?

- Gain confidence explaining Lean Six Sigma, the methodology and benefits, and continual improvement frameworks
- Demonstrate how Lean Six Sigma aligns with other quality-based systems
- Problem solving - gain confidence to use the eight step methodology for organizational problem solving as well as selecting and utilizing correctly each of the seven basic tools
- Lead continual improvement teams through the DMAIC process
- Develop professionally
- Network with likeminded peers

## Why invest in training from BSI?

Our tutors are the best in the business. They're truly passionate about sharing their knowledge and ensuring you learn. Trusted experts with years of hands-on and business experience, they bring the subject matter to life with relevant and contemporary examples to enhance your learning.

### Training delivered at your site



This could be a convenient and cost-effective option, especially if you have multiple delegates.

Talk to one of our experts to find out more

### Next steps with the BSI Academy



Want to learn more? You may be interested in the next steps for Lean Six Sigma courses with our Six Sigma Route, Change Route or Lean route

**bsi.**

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