

# Certified Lean Six Sigma Yellow Belt

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## *Course Code TGLS006*

Lean and Six Sigma deliver business goals and objectives through the rigorous application of proven improvement methodologies. By focusing on the customer, and delivering benefits quickly, it is possible to improve quality performance and profitability simultaneously.

This course equips attendees to get started on the delivery of improvement activities straight away and provides the knowledge required to do this in a structured and measurable way.

Thornley Group Yellow Belt training is carried out by professional trainers who are experienced senior management practitioners in both Six Sigma and Lean. After 2 days of training, you will have a detailed awareness of the principles and application of Lean and Six Sigma methods. Course details are as follows:

## *Course Duration*

- 2 days

## *Entry Requirements*

- Candidates must have a basic knowledge of working with numerical data.

## *Equipment Needed by Attendees*

- Scientific Calculator.

## *Certification*

- After the training is complete, participants can take an online exam to gain certification.

Our Lean Six Sigma Yellow Belt training provides an explanation of Lean Six Sigma methods, tools and benefits. It will prepare attendees for the task of operating in a Lean Six Sigma environment or for implementing Lean Six Sigma. Attendees will learn details of the Six Sigma DMAIC improvement methodology and will become fluent in the 'language' of Lean and Six Sigma. Thornley Group Yellow Belt training is targeted at people who spend time involved in process improvement. This could either be as a process owner or a member of a team working on an improvement project.

Using their practical experience of improvement programmes, along with simulation exercises, our trainers will take attendees through the process of applying the tools and techniques that they learn.

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## *Course Contents*

### *Introducing Six Sigma Thinking*

- The History of Continuous Improvement
- Introduction to the Six-Sigma DMAIC Project Process
- Six-Sigma Roles

### *The Define Phase*

- The Team Charter
- Developing the Business Case
- SIPOC
- Customer Requirements

### *The Measure Phase*

- Introduction to Variation and the Normal Distribution
- Collecting Data
- Cause & Effect (Fishbone) Diagrams
- Failure Modes and Effects Analysis
- X-Y Diagram
- Gauge R&R

### *The Analyse Phase*

- Pareto
- Process Mapping
- 5 Whys

### *The Improve Phase*

- Brainstorming Methods

### *The Control Phase*

- Process Control Planning
- Process Mistake Proofing
- Control Charts
- Sustaining the Improvement

### *Lean Thinking*

- The Lean Toolkit
- 5 Steps in the Creation of a Lean Organisation
- Understanding Value
- Identifying the Value Stream
- Eliminating Waste
- Value Stream Mapping
- The Three Elements of Effort
- The Seven Wastes
- Barriers to Flow.
- Workplace Organisation - The 5S
- Creating a Pull System
- Visual Management
- Strive for Perfection

See the [Thornley Group](http://www.thornleygroup.co.nz) website for details of Public Lean Six Sigma Yellow Belt course dates and costs.