



RSS 18404 Six Sigma Green Belt Development Programme

Gain the Six Sigma knowledge and practical experience at Green Belt level to improve business processes in your organisation by attending this RSS certified Six Sigma Green Belt Development Programme.

The course incorporates:

- our 5-day Lean Six Sigma Green Belt training course, covering key topics such as the organisational benefits of Lean Six Sigma, DMAICT methodology, stakeholder management, Lean principles, risk management and practical problem-solving
- 2 further days of practical experience in applying Lean Six Sigma Green Belt competencies within a case study, including justifying business process improvement, identifying root causes, and presenting projects
- 1 day preparation for Green Belt certification against ISO 18404 through the RSS 18404 Sector Scheme
- 1-1 coaching with a Master Black Belt to support delegates who wish to make their own RSS application

COURSE DURATION

8 days

CPD

Equivalent to 58 hours

COURSE PRICE

TBC

IN-COMPANY TRAINING

Check availability

CERTIFICATES

All delegates will receive a certificate on completion.

Who should attend?

The course has been designed for delegates seeking ISO 18404 certification with the Royal Statistical Society under the RSS 18404 Sector Scheme.

It is also recommended for those:

- wishing to gain practical experience applying Lean Six Sigma Green Belt competencies
- undertaking improvement activities as part of their role
- responsible for implementing improvements in a project or more widely
- working within organisations which have achieved, or are seeking to achieve, ISO 18404 certification

As this course incorporates our certified Lean Six Sigma Green Belt training course, no prior knowledge is required.

Students who have already completed the Six Sigma Green Belt training course need only attend the final 3 days of this course. Contact our training team to book.

Please note that the course incorporates mathematical and statistical elements. Delegates are required to use Excel, or similar, during the course within the exercises.

Key topics

Topics covered on the course include:

- ISO 18404:2015 overview and certification requirements
- Lean, Six Sigma and Lean Six Sigma (LSS) roles
- process thinking and the LSS toolkit
- DMAIC(T) project management
- stakeholder management

- lean principles
- change management
- risk management
- sustainability and control
- statistics, data and problem solving
- data acquisition for analysis
- statistical concepts (sampling, frequency distributions, hypothesis testing)
- practical problem solving (root cause analysis and localisation)
- Six Sigma tools
- regression and correlation
- designed experiments
- analysis of variance
- statistical process control (SPC)
- statistical software use
- practical application of Lean Six Sigma Green Belt competencies
- defining the project
- justifying business process improvement
- identifying benefits and project risks
- identifying process issues and root causes
- identifying and proving solutions
- documenting and presenting projects
- preparing for Green Belt certification through the RSS 18404 Sector Scheme
- review of ISO 18404 competency requirements
- building a portfolio of competencies
- progress review
- mock assessment centre

Skills gained

By the end of this course, delegates will be able to:

- define a Lean Six Sigma Green Belt project, identifying the benefits and project risks
- apply root cause analysis techniques to identify factors for process improvements
- implement solutions and verify benefits delivered
- work effectively with others to achieve objectives
- identify and understand their own strengths and plan for self-development
- plan, manage and contribute to Six Sigma improvement projects
- train others to perform at the same level

Successful attendance on this course will contribute towards becoming certified under **Sector Scheme RSS 18404**. Delegates who achieve ISO 18404 certification will be eligible to join the RSS register, which is used by organisations to identify certified Lean and Six Sigma professionals.

In-company training

Ideal for groups, you can receive this course exclusively for your organisation at your premises or online in our user-friendly Virtual Classroom.

Enjoy cost-effective flexibility and personalised learning with tailored messaging designed to address your unique business challenges.

[Contact us for a quote.](#)



All delegates will receive an RSS approved ISO 18404 Six Sigma Green Belt certificate following completion of the programme.

Course agenda

Our training courses are designed to optimise the learning experience for delegates both in face-to-face settings and in our Virtual Classroom.

Under the guidance of our expert tutors, attendees will follow an agenda which is briefly outlined below:

- Welcome and Introductions
- ISO 18404:2015 & Certification Requirements
- Introduction to Lean, Six Sigma & Lean Six Sigma Roles
- Lean Six Sigma & the Relationship to Quality, Efficiency and Productivity
- Process Thinking and the (Lean) Six Sigma Toolkit
- Exercise: Claims Authorisation Process
- DMAIC(T) Project Management & Decision Making
- Exercise: Formulate a Project Charter & Stakeholder Analysis for a LSS Project
- Interpersonal & Team Leadership Skills Stakeholder Management
- Exercise: Major Activities – Inputs and Outputs
- Creativity Tools & Defining the Project Mission
- Exercises: Enlightenment Process
- Exercise: Applying the Problem Definition Sheet and 5W2H Method
- Exercise: 5 Why's
- Principle & Practice of Lean Value Stream Analysis
- Exercise: Value Added
- Exercise: Construct a Value Stream Map
- Change Management
- Exercise: Syndicate Exercise: Successfully Managing Change for Lean Six Sigma
- Leadership and Motivation
- Exercise: Development and Independence Level Analysis form
- Exercise: Belbin questionnaire & Conflict Questionnaire

- Customer Focus
- Exercise: House of Quality
- Risk Management
- Exercise: Identify & Evaluate Risks Associated with a Green Belt Project Proposal
- Sustainability & Control
- Presentation & Reporting Skills
- Numeracy
- Data Acquisition for Analysis
- Exercise: Appropriate Data
- Statistical Concepts
- Exercise: Tutor Led Exercises on Microsoft Excel
- Practical Problem Solving
- Six Sigma Tools
- Statistical Software Use
- Summary
- Practical Application of LSS Green Belt Competencies
- Exercise: The Birthday Process
- Defining the Project, Justifying Business Process Improvement & Identifying Benefits & Project Risks (Competencies 1, 2, 4, 8, 12, 16 &17)
- Identifying Process Issues & Root Causes (Competencies 10, 13, 15 & 16)
- Identifying & Proving Solutions (Competencies 7, 10, 12, 13, 16, 19, 21 & 22)
- Documenting & Presenting Project and Solution (Competency 14)
- Winning Team Training (Competencies 3, 11, 20 & 23)
- Individuals & Teams to Describe Own Strengths and Plans (competency 18)
- Review of ISO 18404 Competency Requirements
- Building Your Portfolio of Competencies
- Progress Review
- Mock Assessment Centre
- Review & Close

The tutor was exceptional, could not have asked for a better, more personable and knowledgeable tutor.

TWI Ltd

Course content and how it was structured can be directly related to the various roles within our company. Good use of case studies, group tasks. Trainer is clearly experienced on the topic.

Mitsubishi Electric Europe B.V.

Tutor has explained all the modules very well with real examples from his experiences. His experiences made this course very enriching.

AVL

[Read our Lean and Six Sigma training course reviews](#)

Why train with Bywater?

Bywater is the leading independent provider of professional management systems training in the UK.

Our expert training offers practical understanding of how to realise the benefits and assess the success of implementing and operating successful management systems.

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