

Lean Sigma Manufacturing Green Belt

January 2019 programme:

Block 1: Jan 21 to 24 2019 Block 2: Feb 19 to 20 2019 Block 3: Mar 18 to 20 2019

March 2019 programme:

Block 1: Mar 25 to 28 2019 **Block 2:** Apr 30 to May 1 2019

Block 3: Jun 3 to 5 2019

Duration: 9 days

Fee: £1950+VAT

Includes:

- · Comprehensive training manual
- · Smallpeice accreditation
- Lunches and refreshments
- · Lean Sigma toolkit
- · Access to Lean Sigma website

Venue:

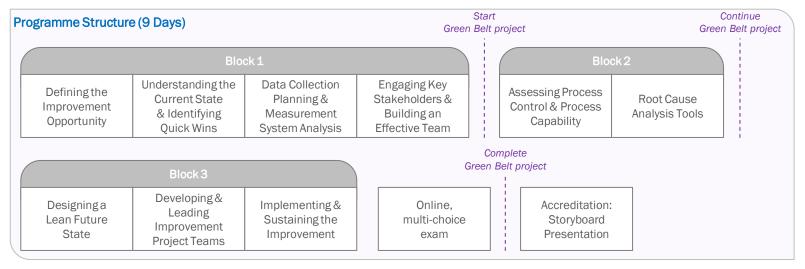
Smallpeice is in central UK (Leamington Spa - CV32 4ES), with easy access:

- by road: from the M40
- by rail: a 5-minuite taxi journey from Leamington Spa station
- by air: just 25 minutes from Birmingham Airport

Introduction

This programme integrates Lean and Six Sigma to provide a powerful improvement model that concentrates on both reducing cycle time and variability. The programme is based on a modular format which combines training inputs and practical simulation activities with an ongoing focus on project progress and reviews. The training objectives focus on enabling delegates to:

- lead projects that deliver tangible organisational benefits
- be familiar and confident with the key tools and techniques of Lean Sigma and understand how to use them within day-to-day activities
- be effective team members on any Lean Sigma project team



Accreditation

The Smallpeice accreditation process requires completion of a project for formal assessment and passing a multi-choice exam. The exam can be taken online after training is completed (revision and practice questions are also provided).

BQF Accreditation Option

Smallpeice courses are also licensed to BQF (British Quality Foundation) standards, enabling candidates to achieve this external accreditation. The accreditation steps are as described above, with an additional £250 fee to cover the BOF licensed accreditation route.

Coaching & Support

Coaching and support is available in the form of structured face-to-face coaching, or remote support via webex / phone. We also offer a pre-accreditation check which provides a detailed review of projects prior to accreditation submission. Please call to discuss these options in more detail.

Detailed programme overleaf











	Assessing Process Control & Process Capability	Root Cause Analysis Tools	
	Progress Review - Block 1 revision; project progress reviews	The Analyse Phase Introduction to the analyse phase	
7		Process and data analysis roadmaps Verifying the Root Cause: Data Analysis Toolkit	
Block	Assessing Process Control Understanding different types of process variation Anatomy & use of control charts / Applications of SPC charts	 Taking a structured approach to data analysis Writing an analysis plan Link to cause and effect diagram 5 Why approach to problem solving Stratifying the data – use of box plots Are there any relationships? Scatter diagrams Introduction to significance testing approach Non-graphical methods for verifying the root cause Project storyboard –tips for summarising and presenting the analysis 	
	Assessing Process Capability Understanding process capability Calculating process capability for continuous and attribute data Selecting appropriate capability metrics & indices Communicating statistics to a non-technical audience		

		Designing a Lean Future State	Developing & Leading Improvement Project Teams	Implementing & Sustaining the Improvement
		Analysing the Current State Process Balancing load & capacity: finding & analysing bottlenecks Cycle time and workload analysis Work in process & lead time analysis	Leading & Developing Improvement Teams Characteristics of effective teams & stages of improvement team development Developing performing teams through effective leadership	Improve Phase: Solution Generation & Piloting Challenges of the improve phase Generating alternative solutions The role of creativity in Lean thinking Creative thinking tools Evaluating and selecting the best solution Piloting & solution introduction
	ock 3	Creating a Future State Map Creating a lean vision & a 'must be' list Developing the future state map	Facilitating for Maximum Results Running effective workshops & meetings Managing conflict; dealing with difficult people & situations Adapting communications for groups Implementing Change Putting the plan into action & managing resistance	
	Bic	Creating continuous flow WIP control strategies / Push versus pull systems Mistake proofing		Solution Introduction & Control Developing a control plan Prevention & detection systems
		Developing the Improvement Plan Application of FMEA to the future state Optimising the solution Developing the improvement plan	Understanding people's response to changes Embedding Change Maintaining momentum/Transferring ownership Anchoring the change	 Choice of control method Out of control action planning Handover & transferring benefits Planning for continuous improvement