



Process Control

>> log-on to virtual learning

3 part programme: Sept 15th, 18th, 25th



> blended programme

> practical & interactive

> accreditation pathway

Process Control is a key tool for achieving Zero Defects ...

Implementing Process Control allows effective management of variation to drive consistency in process outputs and enable continuous improvement. Companies are required to ensure that processes are target set and stable (i.e. in control) and assessed to check they are capable. The Smallpeice virtual training programme blends together the most powerful components of effective and impactful learning - linked to developing a practitioner level of practice and skills competency.

Training specifically designed for virtual learning

Built on our reputation and track record for training excellence, this new virtual programme blends together the most powerful components of effective and impactful learning within a structured pathway for achieving assessed and accredited levels of expertise and skill. With additional elements of individual support and coaching, we provide participants with an enhanced learning experience that offers even more value than classic classroom training – and all without the hassle of travelling and ancillary expenses.

“This was a great course, with a good mix of theory, formulae and application.”

“Very engaging and inspiring. I look forward to practising the skills in my workplace.”

“A very good course! Good balance between theory and practice. The session was hands-on and directly useable.”

“A comprehensive course, which focused on what we can use in real studies.”



Masterclass Webinars

Live training via Zoom mimics the 'in-class' format to optimise interaction & dialogue.



Virtual = even more Value

Shorter & more frequent sessions enhance knowledge retention. Learners are 'in the zone' without distractions



Embedding the Knowledge

Self study e-learning modules supplement the live webinars. Short revision quizzes check knowledge & aid learning



Digital Training Materials

Available in digital format for faster reference.



Qualification Pathway

Industry standard accreditation process is rigorous to ensure quality outputs and accreditation standards

Fees

- Cost per participant is 440 GBP +VAT or local taxes as applicable.

The training is **virtual** the benefits are **real**

Training Objectives:

- Understand how to use SPC control charts for continuous and attribute data.
- Show how to conduct and interpret the results of capability studies.
- Understand the links between process control techniques and additional quality tools.
- Discuss the cultural challenges in performing process control studies and how to overcome them.

Preparatory e-Learning

Delegates are provided with short e-learning preparatory materials to complete:

- Introduction to Statistical Process Control
- Introduction to Process Capability

Masterclass Webinars - Programme of Content

Introduction to SPC

- Key objectives of SPC: prevention vs detection
- The importance of process centering
- Using data for continuous process improvement
- The limitations of specification-based systems
- Sources, causes and types of variation

Pre-requisites to SPC

- Planning data collection and checking the measurement system
- Frequency distributions and the normal distribution

Alternative Control Techniques

- Mistake proofing; Pre-control charts; Reduced and Sample inspection

Control Charts and their Applications

- The concepts of control limits
- Control charts for variables
- I-MR, X-Bar R, X -Bar s charts & how to use them
- Links to additional quality tools (FMEA, Control Plans, MSA, 8D)

Continuous Data Studies – Type I Studies

- Attribute Charts & Process Capability

SPC Techniques for Special Situations

- Short run SPC
- Handling more than one characteristic

Control Charts for Attributes (P, NP, C, U)

- Setting up the charts & interpreting results

Evaluating Process Capability

- Capability analysis of variables data (Cp, Cpk, Pp, Ppk)
- Dealing with non-normal data
- Capability analysis for Attribute data (PPM, DPMO)
- Implementing SPC and process capability in the workplace

Virtual
Masterclasses



Self Study
e-Learning



Online
Knowledge
Tests



Masterclass Dates, Times & Technology

- There are 3x interactive training modules (each being 3.5 hours in duration), incorporating multi-media features and delivered by masterclass trainers.
- Additionally, offline case study work and post-training online knowledge test are included.
- Following enrolment, participants will be issued with Zoom invites in readiness to log-on to the masterclass webinar modules.

Masterclass Part 1 Tuesday Sept 15 th 2020 06:00 – 09:30 (UTC) <u>or</u> 14:00 – 17:30 (UTC)	Masterclass Part 2 Friday Sept 18 th 2020 06:00 – 09:30 (UTC) <u>or</u> 14:00 – 17:30 (UTC)	Masterclass Part 3 Friday Sept 25 th 2020 06:00 – 09:30 (UTC) <u>or</u> 14:00 – 17:30 (UTC)				
Time Zone Converter						
<ul style="list-style-type: none"> • Due to time zone differences, each module is delivered twice: firstly at 06:00 UTC, and then repeated at 14:00 UTC. This ensures that participants from America, Europe & APAC have opportunity to attend. • Please find below a time zone converter for a selection of time zones. 						
Time Zone >	BST (London)	CET (Paris)	SGT (Singapore)	CST (Shanghai)	EDT (Washington)	PDT (Los Angeles)
Start Time > (Local Time)	07:00 or 15:00	08:00 <u>or</u> 16:00	14:00	14:00	10:00	07:00

How to Book

- Please email Smallpeice on train@smallpeice.com with details of places required, plus your time zone
- Our Booking team will then contact you to arrange payment via credit card or invoice.
- You will then be issued with:
 - Joining instructions & preparation reading
 - Invites to join the Masterclass Webinar

Course Fee

Cost per participant is 440 GBP + VAT or local taxes as applicable.

Department & division-based virtual training

- Our virtual programmes can be delivered exclusively for your company, This provides cost effective group training options for participants who are not co-located, and enables those from different divisions and even regions to be trained together.
- Please email Smallpeice at train@smallpeice.com to request a call back to discuss this option.

Email: train@smallpeice.com





For Our Full Virtual Learning Curriculum

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- > 8D Problem Solving
- > SABRe Essentials
- > Process FMEA
- > Measurement System Analysis
- > Lean Sigma Yellow Belt
- > Lean Sigma Green Belt
- > Lean Sigma Black Belt