PRACTITIONER TRAINING · AUTOMOTIVE QUALITY

# SPC: Statistical Process Control Training

Self-paced online training (video) · 12 modules · about 2.5 hours of video · about 4 hours in total · English, with captions

Use statistical process control to understand and reduce variation, from choosing and running control charts to studying process capability, reacting to signals and improving your processes.

## WHO IT IS FOR

Process and quality engineers, production supervisors, operators who keep control charts, quality managers and Six Sigma practitioners at automotive and other manufacturing suppliers.

## WHAT YOU WILL LEARN

- Distinguish common-cause and special-cause variation
- Choose the right control chart for your data and subgroups
- Set up, plot and interpret control charts, and react to out-of-control signals
- Calculate and interpret capability and performance indices such as Cpk and Ppk
- Plan SPC for special characteristics and write reaction plans
- Use SPC results to drive process improvement

## MODULES (12)

1. Welcome, and why SPC matters
2. Variation: common and special causes
3. SPC in the core tools and the control plan
4. Data, subgroups and sampling
5. Average and range charts
6. Individuals and moving range charts
7. Reading the chart: out-of-control rules
8. Attribute charts: p, np, c and u
9. Capability and performance indices
10. Non-normal data and customer requirements
11. Reaction plans and escalation
12. Putting it together: improving the process

### PRICE

**US$99 per learner**

Per learner, by team size

| | |
|---|---|
| 1–10 learners | **US$99** |
| 11–50 learners | **US$79** |
| 51–200 learners | **US$69** |

Excluding taxes.

### DURATION

About 4 hours in total (2½ hours of video)

### MODULES

12

### FORMAT

Self-paced online training (video)

### LANGUAGE

English, with captions

### ACCESS

12 months

### CERTIFICATE

Sterling Academy Certificate of Completion

Scan for the course page, prices and enrolment