

Statistical Process Control (SPC) - Foundation Level

Course Description

This course illustrates the benefits of monitoring a process in real time for problem solving, improvement and ongoing management. The course is applicable to a wide range of business process situations where data is used to understand the performance of both manufacturing and non-manufacturing processes.

Duration/Delivery Mode

Typically 2 days.

Target Audience

Quality technicians, continual improvement practitioners, laboratory personnel, engineers and team leaders, who are involved in setting-up and interpreting control charts and computing capability indices. Also, those personnel who need to understand the principles and terminology in order to communicate effectively with customers, suppliers and other personnel.



Benefits

Statistical Process Control (SPC)

- Improves productivity and delivery through the prevention of nonconforming products and services.
- Encourages staff to be responsible for monitoring and improving their work process.
- Provides a valuable contribution in the pursuit of continual improvement.



Related Courses

Please see also our SPC Awareness Level course

- Awareness Level

Six Sigma

- Six Sigma Green Belt
- Six Sigma Black Belt

Automotive Quality Management

- Quality System ISO/TS 16949
- Quality System Audit for ISO/TS 16949

Core Tools & Techniques

- Structured Problem-Solving (8D)
- Advanced Product Quality Planning (APQP)
- Production Part Approval Process (PPAP)
- Failure Mode and Effects Analysis (FMEA)
- Measurement Systems Analysis (MSA)



Course Details Summary

Statistical Process Control (SPC)

- Limitations of inspection and test activities
- Data collection
- Analysis of data
- Normal distribution
- Control charts for variables
- Calculating control limits
- Common and special causes
- Decision rules and interpretation of a control chart
- Finding the root cause of process variation
- Control charts for attributes
- Multiple characteristics and pareto
- Process performance and capability
- Setting up and maintaining a control chart
- Use of Minitab® software (Please see Minitab® page at www.icanthus.co.uk)

To request a detailed course agenda, or to discuss your requirements with a training advisor, please contact us via the web page link (or by using the contact details shown below). If required, we shall be pleased to visit you for an initial discussion.



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