# Statistical Process Control (SPC)

**Course description:** Shop floor personnel, engineering and quality staff and anyone unfamiliar with SPC will learn in this **basic course** the principles and practices including: terminology, SPC Steps, X Bar & R Charts, process capability, attribute charts and control charts.

**Advanced Statistical Process Control** explains in detail the principles and practices of SPC for engineering and quality staff needing to know when and where to apply SPC. Participants will learn: interpretation of control charts, attribute charts, and process capabilities, delving deeper into the topics covered in the basics course.

**Topics Include:**

- Background and Context
- Conceptual Overview
- Process Control and Capability
- Statistical Methods
- Introduction to Process Measurement Analysis
- Implementing SPC

**Objectives:**

- To recognize the differences between traditional quality control & statistical Process control (SPC).
- To understand the Difference between control limits and spec limits.
- To understand how control charts can be used to monitor process performance and how to support business decision making through collection and plotting of data.



**product**

**overview**

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