



## ONSITE OR ONLINE GROUP TRAINING

The Pyzdek Institute's SPC and Continuous Improvement Workshop is also available for groups. Whether you are looking for online or onsite training, we are pleased to accommodate your needs and customize the course to your organization. Contact us for details.

## SCHEDULE OPTIONS

Six 4-hour sessions for online (recommended)

Three 8-hour sessions for at-site

It is also recommended to spread the sessions over a two or three week timeframe to allow attendees to collect data, ask questions about attendee data during the sessions, etc. However, Pyzdek Institute is able to accommodate nearly all scheduling requests.



# CONTINUOUS IMPROVEMENT

ONLINE AND  
ON-SITE WORKSHOPS

[WWW.PYZDEKINSTITUTE.COM](http://WWW.PYZDEKINSTITUTE.COM)

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**Pyzdek**  
INSTITUTE

## SPC AND CONTINUOUS IMPROVEMENT WORKSHOP

Instructor-led  
Online or On-site Training  
24 hours

[WWW.PYZDEKINSTITUTE.COM](http://WWW.PYZDEKINSTITUTE.COM)



## Course overview

The SPC and Continuous Improvement workshop is a 100% hands-on workshop with no lecture, **no PowerPoint slides and no theory**. It is designed to rapidly harness the power of process behavior charts to solve difficult process problems, gain new knowledge and maintain process stability. In addition, the course provides guidance on Process Capability Analysis, insight on common SPC myths and advice to avoid common SPC pitfalls.

Blending Lean Principles and SPC, this workshop follows an error-proofed, systematic approach to either set up a new SPC system from scratch or to improve an existing SPC system.

The workshops can be held using a recent version of Minitab, JMP or SigmaXL and in all cases the content is suitable to the healthcare, plastics, food processing, machining, aerospace, automotive, electronics and other industries.

## Pre-requisites

The course requires a basic understanding of statistical software fundamentals including navigation, menu structure, data integrity, annotations, data visualizations and similar.

- Attendees must have a PC with a recent statistical software installed and activated.
- Two-way headset.
- Two monitors recommended but not required.

## Designed for:

Supervisors, Managers, Technicians, Engineers and Healthcare Professionals.

### BENEFITS TO ATTENDEES

- Detect process problems before disaster strikes
- Analyze SPC data and interpret results in a collaborative environment
- Answer questions raised during IATF-16949, AS-9100, customer audits and 3rd party audits
- Learn many useful statistical principles
- Gain new process knowledge
- Avoid common SPC pitfalls
- Improve return on statistical software investment
- Contribute to Operational Excellence, customer relationships and bottom-line profit
- Run better, more cost-effective designed experiments
- Understand the *Great Mathematical Quandary*

### COURSE STRUCTURE

Course content      % of time spent

**Hands-on exercises & interpretation of results**

100%

### SPECIFIC TOPICS COVERED

- Why are control charts the foundation of continuous improvement?
- How do I get started with SPC?
- How does a control chart help us listen to the Voice of the Process?
- How do I know what type of control chart to use?
- How do I know how much data to collect?
- Do I need normally distributed data for control charts?
- How do I form rational subgroups?
- Where do the limits come from?
- How much data do I need for meaningful limits?
- How do I interpret a control chart?
- How do I control chart attribute data?
- How do I handle short process runs?
- How do I handle rare events, like safety incidents, with a control chart?
- How do I time-weight a control chart?
- Can I control chart combines variables? (JMP, Minitab only)
- How do I measure process capability to meet targets?

Visit [www.pyzdekoinstitute.com](http://www.pyzdekoinstitute.com) or give us a call for more information.