

APPLYING SPC FOR MANUFACTURING TO IMPROVE QUALITY

Key focus

1. Understand the principles of SPC
2. Set up a new SPC program
3. Interpret SPC Control Charts

Who will benefit

This course is suitable for fab operators, process engineers, process technicians, maintenance technicians, equipment engineers, quality control and assurance personnel, sales/marketing staff, customer service personnel, field service engineers, and technical support personnel, everyone who is interested in understanding the fundamentals of Statistical Process Control (SPC) methods, and workers in the manufacturing..

Take The Next Step

Day one

1. Reading Control Charts

- ▶ Common cause and special cause variation
- ▶ Responsibility to investigate
- ▶ Different kind of signals

Morning tea break

2. X bar R Charts

- ▶ How to construct
- ▶ Subgroup size
- ▶ Understanding range chart

Lunch

- ▶ Understanding X Bar R statistical process control chart

Afternoon tea break

3. XmR Charts

- ▶ Developing, applications and interpretation of the XmR statistical process control chart

0900-1030

1030-1045

1045-1300

1300-1400

1400-1530

1530-1545

1545-1700

Take The Next Step

Day two

4. C Chart and u Charts

- ▶ How to construct

Morning tea break

- ▶ When to use and interpretation of C chart and u statistical process control charts

5. p and np Charts

- ▶ How to construct

Lunch

- ▶ When to use and interpretation of p and np statistical process control charts

Afternoon tea break

6. Plant Tour and Consultation

- ▶ Plant tour and suggestion on Poka Yoke on the shop floor area using the concepts learned

0900-1030

1030-1045

1045-1300

1300-1400

1400-1530

1530-1545

1545-1700

Take The Next Step