Learn to maintain the hardware and software of an SP1200 and/or SP700 Smart Platform connected to a QCS LAN.

Course type and methods
This is an instructor led workshop with short presentations and demonstrations, extended exercises, and hands-on sessions and discussion.

Student profile
This course is targeted to personnel responsible for maintenance of a Smart Platform.

Prerequisites
Students should have a basic knowledge of personal computers, process control and electronics.

Course objectives
Students learn to operate and maintain Smart Platform connected to an Industrial IT Quality Control System.

Upon completion of this course, the students will be able to:

- Restart the Smart Platform and enter date and time
- Print the self-documentation
- Scan the Smart Platform
- Print software documentation
- Check power supply voltages using DVM and health pages
- Use AVOS to display/modify files
- Use the Object Inspector to display/modify objects
- Install a software update
- Perform platform tuning
- Use standard procedures to standardize and check the sensors
- Print a standardize history and a sample check history
- Use check samples to determine if a sensor is measuring correctly
- Start-up the work station and use the health reports to check sensors
- Back-up and restore software
- Maintain hardware, power supplies, process signals, and electronics
- Interpret Indicator LEDs and check switch positions
- Perform SP700 preventive and corrective maintenance
- Perform SP1200 preventive and corrective maintenance

Duration
The duration is 10 days.
## Course outline

### Day 1
- Course introduction
  - System introduction
  - Documentation overview
  - Smart Platform overview
  - ASPC hardware
- Lab
- Power supply checks
- Self documentation

### Day 2
- Review: questions and answers
- Software overview
- AVOS commands
- Object inspector
- Lab
- AVOS commands
- Inspect commands
- Back-up

### Day 3
- Review: questions and answers
- Smart Platform overview
- ASPC hardware
- Lab
- Review: questions and answers
- /lib01 structure
- BRAM structure
- Installing a software change notice
- Lab
- Gstore
- Installing an SCN

### Day 4
- Review: questions and answers
- Frame tuning
- Lab
- Frame tuning

### Day 5
- Review: questions and answers
- Build a software load
- Restore previous load
- Restore BRAM
- Lab
- Build a load
- Restore a previous load

### Day 6
- Review: questions and answers
- Smart basis weight sensor
- Smart ash sensor
- Lab
- Basis weight
- Ash

### Day 7
- Review: questions and answers
- Smart Platform mechanical maintenance
- Lab
- SP700 and SP1200 mechanical maintenance

### Day 8
- Review: questions and answers
- IR Moisture sensor
- Liquid Cooling Unit
- Optipak sensor
- Lab
- IR moisture
- Optipak

### Day 9
- Review: questions and answers
- GT caliper sensor
- Lab
- GT caliper

### Day 10
- Review: questions and answers
- Color sensor overview
- Review exam
- Course critique

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To register contact the North America Customer Service Center or visit our website.

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