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Siemens WinCC HMI TIA Portal

Software: Siemens TIA Portal

PLC Type: Siemens S7 1200

Duration: 2 days

Pre-requisites: None

Maximum Delegates: 6

Brief Description

- Be able to recognise WinCC hardware and be able to replace modules when a fault occurs.
- Be able to operate the WinCC software to make it perform certain tasks.
- Understand basic concept of tags etc and communications with the PLC
- Be able to backup and restore a WinCC program when required.
- Be able to perform basic system diagnostics when a problem occurs.
- Be able to add basic functions to screens, Pushbuttons, Numeric Display, Bargraphs, Trends etc

Course Content

- Getting Started with a WinCC Terminal
- Connecting Communications Cables
- Creating a WinCC Application File
- Defining Communications Parameters
- Creating a Tag Database
- Creating Screen Text and Screen Selectors
- Downloading an Application
- Adding Controls to a WinCC Application
- Creating Messages
- Creating a Report for a WinCC Application
- Troubleshooting a WinCC Terminal and Application
- Generation of documentation to assist fault finding

Course Equipment (per delegate)

- Siemens S7 PLC
- WinCC HMI

- PC or Laptop
- Simulator