Certified Courses

Professional Certificate

SCADA Systems based on SIMATIC WinCC Professional

Why Attend

- The main aim of this course is to provide the participants with basic knowledge about Siemens SCADA Systems based on WinCC Professional.

Course Methodology

- The course is hands on with great emphasis on the practical aspects of SCADA systems. The course is based around Siemens SIMATIC WinCC Professional.

Course Objectives

By the end of the course, participants will be able to:

- The course objectives are to provide the participants with the knowledge and skills to enable them to work with Siemens SCADA systems
- On completion of this course the participant will be able to do the following:
- Use SIMATIC WinCC Professional efficiently and reliably on the basis of the "TIA Portal" engineering platform
- Understand and edit SIMATIC WinCC Professional projects for use in the SCADA area
- Optimally structure the user interface
- Implement logging concepts for messages, alarms and measured values
- Selectively access values in the SIMATIC S7 and display and further process these values in the HMI system

Target Audience

- Electrical and instrumentation technicians and engineers

Target Competencies

- Oil & Gas
- Food & Beverage
- Cement
- Chemical Industry
- Mining
- Fertilizers
- Pharmaceutical Factories.
- Water and Waste Water station

System overview TIA Portal, SIMATIC WinCC Professional
Creating a SIMATIC WinCC Professional project
Configuring the connection to the SIMATIC S7 automation system
Structuring the operator interface
Fundamentals of creating graphics displays for human machine interfacing
Navigating through the plant displays
User administration
Message representation, message logging, message configuring
Variable logging, trend configuring and trend plotting
Trend plotting, and message representation including logging of data in the database
Faceplates for reuse and centralized modification of graphics blocks
Background processing Global Scripting
Reinforcement of the content by means of practical exercises on the TIA system model
Open Discussion…

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