

Course Name: INDUSTRIAL SCADA

Short description

WinCC V7.x is the proven and powerful SCADA system in the automation environment. Want to modernize or perform maintenance on your SCADA system or create a completely new SCADA system, attend this training course, which is designed to help you learn the basic functions. Also, you will learn about the potential of the SIMATIC PCS 7-process control software with a focus on AS Engineering. As important topics for advanced PCS 7 Engineers, the configuration of Single- and Multi-Station OS, as well as principles and methods supporting advanced graphic engineering, are at the center of the course.

Objectives

- Making participants familiar with Simatic WinCC SCADA and SIMATIC PCS7 system.
- On completion of the course, you are able to engineer process automation optimally and efficiently.
- You will put your newly acquired knowledge of theory to use practical exercises which you will work on as if you were in a real plant.

Target Group

- Engineering students, Trainers, Engineering students, Project managers, project staff, Technologists, Commissioning engineers, configuring engineers, plant engineers, and Scada engineers.
- System developers and programmers are responsible for the development of industrial control systems such as SCADA & DCS applications.

Content

- System overview of SIMATIC WinCC.
- Communication with controllers: Overview of possible controllers, the configuration of a connection to the SIMATIC S7, configuration limits for communication, and diagnostic options.
- Creating tags and groups, internal and external tags, Working effectively with the Graphics Designer, Making objects dynamic.
- Introduction of Report Designer for reporting, Alarm logging: Alarm procedures, alarm classes, and types, archive configuration, alarm control, system alarms, and status tags, Tag logging: Archives and archive tags, archive configuration, types of archiving, online trend Control.
- Configuration of AS functions in CFC and sequences in SFC.
- Configuration of monitoring and controlling in the OS, Compiling, downloading & testing CFC & SFC chart.
- User blocks - attributes and visualization.
- The Graphic configuration with selected graphic objects.
- A deeper understanding of contents through practical exercises.

Prerequisites

- Successful completion of the PLC & HMI course.

Note

At the end of the course, participants will be able to design graphics for control and observation of process activity and collecting information as per the requirement of a plant or industry

Type

Face-to-face training.

Duration

36 hrs.

Language

English.

