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Power Generation Services

Siemens Power Academy – K-T3BAS
SPPA-T3000 System Basics

Brief Description

The participant will learn the basic principles and views of I&C engineering, diagnostics and operation of the SPPA-T3000 system. Each student will implement a basic control system model, using the workbench to create both function diagrams and plant displays. Emphasis will be placed on sensor processing/coupling for analog and binary signals, along with motor/actuator control applications.

Prerequisites

Basic knowledge of I&C principles
Knowledge of PC operations using MS Windows

Course

Overview: System hardware and software architecture, redundancy, peripherals System documentation

Engineering: function diagram, plant display, integrated engineering, using AF-blocks and prototypes, creating macros

Operation: faceplates, trends, alarms, displays navigation

Diagnostic: change of parameters, dynamic function diagram, forcing ports

Commissioning: point view

Basic graphics

Engineering examples: I/Os, logic, motor, graphics
Implementation of basic functions (practical exercises):

- hardware engineering using HW proxies
- processing binary and analogue values
- motor control, valve
- graphic layout of plant displays

Course Details

Size: Max 10 participants

Language: English or German

Duration of course: 4 days

Location of course: Siemens Training Offices / Customer Site

Dates: refer to training schedule

Contact:

PSCD Training Centre
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