SIEMENS

Corso SIMATIC S7 Service 3. Transizione 5.0 con attestazione finale superamento esame. (IT5P-ST-SERV3)

Short Description

Building on the SIMATIC S7-300/400 Service course fundamentals, the focus here is on the use of SIMATIC STEP 7 V5.x system functions as well as fault correction with SINAMICS Starter software and SIMATIC WinCC flexible 2008. You also start up PROFIBUS DP. What you learn about the integrated factory automation will teach you to take a holistic view of your plant and to understand the relationship between the individual components. On completion of the course, you will be able to safely diagnose and correct complex faults. The comprehensive understanding gained gives you new impetus and ideas for production optimization. The course requires a final examination, which is deemed passed if a minimum of 8 out of 10 points is achieved. Only in this case will a pass certificate be issued with the final result.

Objectives

After attending the course, you can:
- Carry out modifications and interventions on complex existing automation systems
- Integrate system blocks (SFCs and SFBs) into the program
- Create customized diagnostic messages
- Manage peripherals distributed on PROFIBUS DP network
- Troubleshooting via SIMATIC HMI and SINAMICS Starter

Target Group

Maintenance personnel
Service personnel

Content

- Commissioning of an assembly line program
- System function and functional blocks (SCFs and SFBs)
- Organization blocks (OBs) for error handling
- CPU diagnostic messages
- Software troubleshooting and error elimination
- Commissioning of a distributed PROFIBUS DP IO system
- Diagnostics on PROFIBUS DP networks
- Commissioning of a SIMATIC HMI application
- Diagnostics via SIMATIC HMI
- Diagnostics via SINAMICS Starter

The theoretical knowledge will be deepened with numerous practical exercises on a TIA system model. This consists of a SIMATIC S7-300 automation system, a SIMATIC HMI operator control and a conveyor model.

Prerequisites

SERV2 course or equivalent basic knowledge of automation systems.

Note

In this course, the SIMATIC S7-300 automation system and the SIMATIC STEP 7 V5.x and the SIMATIC WinCC Flexible 2008 softwares are used. Redundant systems SIMATIC S7-400H are not covered here.
IMPLEMENTING DECREE AUGUST 2024 :
Transition 5.0: Trailed Expenditure
Energy transition A .5

Type

Face-to-face training

Duration

5 days

Language

it