SIEMENS

S7 Graph / PDiag / ProAgent Workshop (ST-7GRAPH)

Short Description

This course is aimed at personnel who require a greater understanding of how programs are implemented using the S7GRAPH software using Step7 V5.5, how to use editing tools for making changes and diagnostic features for fault finding. The PDIAG aspect of the course is to demonstrate how further diagnosis can be added onto HMI's in order to make fault finding easier for maintenance personnel.

Objectives

On completion of the course the participant will be able to:-
Understand the justification for using the GRAPH language
Understand the relationship of sequence operated applications
Create a basic sequencing program
Monitor and diagnose faults within a sequencer
Configure diagnostic information for HMI applications

Content

Principles of a sequencer
Basic elements of a sequencer; steps, branches and transitions
Use of the graph editor
Interface to the PLC program
Permanent instructions
Interlocks and supervisions
Parameter sets of the sequencer function block
Monitoring and modifying in the sequencer
Control of the sequencer
Synchronisation
Event dependant and event triggered actions
Use of timers and counters in sequencers
Branches, simultaneous branches and jumps
Documentation and source files
Configuration of diagnostic information using PDIAG
Representation of diagnostic information using ProAgent

Prerequisites

The ability to use a MS Windows PC (W7), keyboard and mouse to include opening and closing programs, locating files, copy and paste objects /data (text, etc). Drag and drop files, objects/data (text, etc). Use of menus and multi-menus, manipulation of windows within a multi-window environment. Use of MS Windows Help.
Attendance on ST-PRO1 or ST-SERV1 and ST-SERV2 courses or a sound working knowledge of the use of Step7 (V5.5). Use and experience with WinCC Flexible would also be an advantage.

Type

Face-to-face training

Duration

3 days

Language

en

Fee

1,820 GBP