SIEMENS

S7 Programming Part 1 (ST-7PRO1)

Short Description

S7 Programming Part 1

Objectives

Aims and Objectives
This course is directed at users with engineering experience in the fields of configuring, design & commissioning of SIMATIC S7 programmable controllers. The course provides an optimal entry level to the product-specific & in depth supplementary courses.

Content

The SIMATIC S7 family.
Programming devices.
The SIMATIC Manager & customizing options.
Configuration & addressing of modules.
CPU properties, symbols tables.
Creating projects in LAD/STL/FBD.
Cyclic program execution.
Basic functions & jumps.
Number formats, Timers & Counters.
Data handling including arrays & structures.
Functions & Function Blocks with assignable parameters.
Multiple instance Model.
Diagnostics with B, I, L stacks.
Monitor/modify variables & debugging.
Testing program execution using breakpoints.
OB's & startup considerations.
Analog Value processing.
Documenting, Saving, Archiving.
Communication via MPI GD table & subnets.
Discussion of configuring Multi-computer Operation.
Totally Integrated Automation principles.
- S7-GRAPH, S7-HIGRAPH & S7-SCL high-level languages discussion.

Prerequisites

Programmers and System integrators involved with SIMATIC 7 programmable controllers.

Type

Face-to-face training

Duration

5 days

Language

en

Fee

26,187 ZAR