Siemens S7 300/400 PLC Level 2

Software	Simatic Manager
Duration	5 Days
PLC-Type	Siemens S7 300 / 400 PLC
Pre-Requisites	Must have attended Siemens S7 Basic Course
Maximum Delegates	6

Brief Description

Aims & Objectives:- On completion of the course the student should:
* Be able to understand statement list programs.
* Understand Complex Instructions.
* Be able to write STL and FBD PLC programs and perform consistency checks.
* Be able to configure advanced PLC functions.
* Understand how to use special OB's and FB's.
* Be able to access and use the advanced functions of the STEP7 software.
* Be able to configure and troubleshoot Profibus Networks
* Be able to alter WinCC screens and Link to PLC

Course Documentation

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Course Content

* PROFIBUS
* Understand, Installing and configuration of Profibus Networks,
* Using DP/DP Couplers
* Master/Slave configuration, Master / Master configuration
* Linking Micromaster Drive to Profibus Network
* Profibus Diagnostics
* What the BUSF and SF DP leds mean
* Profibus DP Slave diagnostics OB86, SFC 13
* Profibus DP Diagnostics Blocks FB125, FC125
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* INTRODUCTION TO WINCC
* WinCC to PLC communications
* Basic Screen Creation
* Creating Pushbuttons
* Displaying PLC data
* Creating Numeric Entry display to alter parameters within the PLC
* Statement List programs and representation
* Function Block programs and representation
* Intermedaite Instruction Set
* Editing existing programs

* Creating new STL and FBD programs
* Special Organisation Blocks
* Special Function Blocks
* Special Functions
* User Defined Data types (UDTs)
* Instance Data Blocks
* Advanced CPU Settings
* Working with EPROMs and MMC Memory Cards
* Password Protection
* MPI Networks
* Linking via EtherNet
* Linking via the Internet

Equipment

* S7 300 or 400 PLC
* PC or Laptop
* Simulator

Solutions, Not Courses.