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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
- * Intermediate Instruction Set
- * Editing existing programs

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- * 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.