

SIMATIC STEP7 PLC TRAINING

BASIC LEVEL (PART 1)



Target Audience

All electrical and technical personnel who encounter PLC's in their work environment.

Brief Description

- Introduction to the digital operation of PLC's and structured programming
- Solving simple tasks with SIMATIC S7 controllers

Prerequisites

Electrical Background and Computer Literacy

Technology

SIMATIC S7 PLC's and SIEMENS programming units with STEP 7 software version 5.4. Practical industrial models are used for the purpose of applying principles.

Content - Structured programming

- Principle of PLC operation
- The SIMATIC S7 PLC family
- The SIMATIC manager
- Simatic S7 – 300/400 hardware configuration
- S7 programme structure
- Binary logic in S7
- Complex functions – timers and counters
- Data storage in data blocks
- Load and transfer functions
- Function blocks
- Organisation blocks
- Trouble shooting and handling errors

CHARGES: Ksh 58,500 + 16% VAT

Cost includes lunch, morning & afternoon tea / snacks.

DATES

Per Attached schedule.

IET



International Energy Technik Limited

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SIMATIC STEP7 PLC TRAINING

ADVANCED LEVEL(PART 2)



Target Audience

Design, programming and service personnel requiring in-depth PLC knowledge.

Brief description

The course is aimed at Technical Engineering Personnel who are closely involved in the use of SIEMENS Simatic Equipment, Faultfinding, trouble shooting etc.

It covers S7-300/400 hardware configuration, working with Function blocks.

Prerequisites

Successful completion of S7 Basic.

Technology

SIMATIC S7 PLC's and SIEMENS programming units with Step 7 Software version 5.4
Practical industrial models are used for the purpose of applying principles.

Content

- Complex programming – status bit dependent instructions
- Accumulator functions
- Instructions with real numbers
- Indirect addressing and address register instructions
- Data management in the user programme
- Block calls and the multi-instance model
- Using the SIMATIC library of special functions
- Organisation blocks (interrupt driven and time driven program processing cold restart, warm restart, error handling).
- Special features of the S7-400 PLC
- Structuring user programs
- Procedure for starting up the user program
- Introduction to S7 Communications

CHARGES: Ksh.58, 500 + 16% VAT

Cost includes lunch, morning & afternoon tea / Snacks.

DATES:

Per attached schedule

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