

Level PLC01

Duration: 5 days

Prerequisite: None

This PLC course aims to enable maintenance personnel to be able to understand the PLC program, make minor modifications to the program and to fault find quickly using both software and printouts.

• **Introduction to PLC Hardware • Shortcut keys • Format of Ladder Diagrams, CSF and Statement Lists • Introduction to IEC 1131 • Use of Timers & Counters • Connection of field devices • Special Functions & Blocks • Program uploading and downloading • Addressing and Device Number Systems • Commonly used instructions • Diagnosing faults using forced addressing • Configuration, Addressing & Performance Criteria of CPU's • Practical Exercises on Plant Simulation Systems.**

Level PLC02

Duration: 3-5 days

Prerequisite: Basic PLC knowledge

This PLC training course is aimed at personnel who already have some general experience of PLC's but who wish to learn the idiosyncrasies of a specific model, or modify & expand existing programme codes.

• **Networking protocols and configuration • Programming Techniques • Advanced Diagnostic Applications • Analogue I/O • High Level Instructions • Special Modules ie High speed counters etc • Control Registers • Practical Exercises on Plant Simulation Systems.**

Level PLC03

Duration: 4-5 days

Prerequisite: Intermediate knowledge

The following areas are designed to allow personnel to quickly determine the locations of faults on a PLC controlled plant, to develop their own programmes, and to monitor and fault find plant operation on both stand alone and networked systems. The course is designed for candidates who have specific objectives in mind.

• **Local Area Networks • Remote I/O Racks • Interconnection with Scada • Advanced Programming Instructions • Communications Protocols • Remote Monitoring & Control via modem etc • Shift Register & Sequencer • Register Read Write Commands • Analogue I/O • Error Codes, diagnosis • Device Time Scans • Network Interface Modules • Alarm & Error Messages & Checking • Interrupt & Fault Handling Routines • Message & PID Control & Handling.**

COST: £175 (+ VAT) Per Day

GROUP RATE: £850 (+ VAT) Per Day

PREREQUISITE: Various

DURATION: 3-5 Days

BOOKINGS: Telephone 01246 810444 or Email enquiries@techniquetraining.co.uk