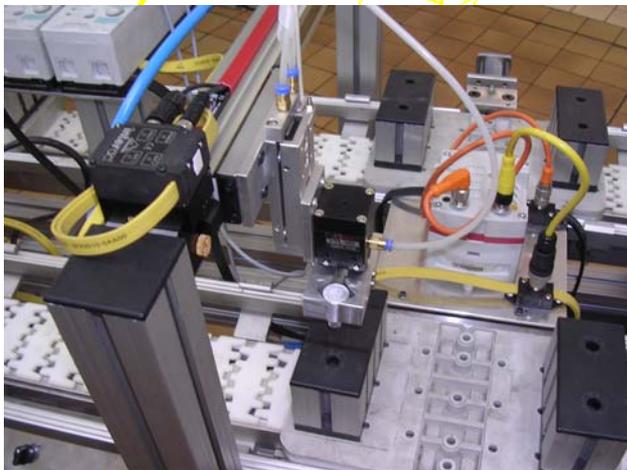


Basic PLC Programming Course

Two-day introductory course covering basic PLC programming suitable for those with little previous PLC programming experience

Want to learn modern PLC programming methods, but little previous experience?

This course will quickly teach you the basics of ladder diagram programming based on the widely adopted international standard IEC61131-3. The course teaches basic vendor independent ladder diagram programming for a wide variety of modern programmable automation and control systems.



What does the course cover?

The course introduces you to the basics of Programmable Logic Controllers (PLCs) and teaches the techniques of writing programs to deal with a range of practical problems. A blend of theory and practical exercises will take you through the basic techniques of ladder diagram programming to solve combinational logic problems. The course also shows how to use latches, timers and counters to deal with common sequential automation problems. The course serves as a lead-in for those wishing to take the Certified Open PLC Engineer Course, but who do not have the necessary prior experience to cope directly with this more demanding course.

Why is IEC61131-3 important?

In the past, different manufacturers of programmable controllers each had their own specific programming language. Although these were often quite similar,

subtle differences made it difficult to migrate from one manufacturer's equipment and impossible to move programs between different systems. The consequence was that users were locked into a particular supplier by training, experience and existing software developments.

IEC61131-3 is the modern way to program not just PLCs, but a wide range of programmable automation and control systems. Because the programming is now standardised, the teaching of programming can be made largely independent of the actual hardware being used. Further, the techniques learned and programs that are subsequently developed can be transferred between different manufacturers' systems.

Will I work with real equipment?

We have a strong reputation for practical, hands-on training using real industrial equipment. Each pair of attendees will have their own modern PLC which is applied to the control of real equipment. The course also uses realistic simulations of a wide range of simple and more complex control problems which would otherwise be impossible to cover. These simulations can be taken away and used to carry on the learning experience after completion of the course.



For dates, costs and booking information contact:

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