

05.02.2026 - 06.02.2026

iQ-R PLC Advanced (Structured Mode)

Address / Contact:

Description	This Advanced level training course is part of a learning pathway designed to equip you with the knowledge and skills to successfully work the iQ-R range of programmable logic controllers or PLC's. This course is designed to equip participants with essential skills for configuring and utilizing advanced features of Programmable Logic Controllers (PLCs). It covers PLC programming, architecture, advanced techniques, and mathematical calculations. Participants will gain hands-on experience in a classroom environment, allowing them to effectively use PLCs to optimize industrial automation. By the end, attendees will be skilled at creating efficient programs that enhance operational efficiency and integrate PLCs in various applications, making it ideal for professionals looking to deepen their automation expertise. This course uses the Structured mode of program creation.
Course target	By the end of the course, delegates should be competent in the following disciplines and demonstrate skills including: • Selecting and configuring Intelligent Function Modules • Accessing and controlling Intelligent Function Modules • Setting up labels including Structured Data Types • Using arrays and/or indexes for storing and retrieving data • Preventing unauthorised access to the program and/or PLC • Optimising the memory areas in the CPU • Using Program Execution Types to create a well-structured program • Data and number manipulation
Target group	This professional development experience has been designed for those individuals with an Intermediate level of knowledge and experience of iQ-R PLCs and programming.
Agenda	Over a 2 day period delegates will cover the following modules and topics: • Intelligent module selection • Intelligent module configuration and addressing • Intelligent Module Labels • Changing the Intelligent module address • Program Labels and Structured Data Types • Arrays and Indexing • Controlling access • Memory management • Program execution types • Data manipulation • Numerical value manipulation

Duration	2 Days
Products and software	PLC, Software
Article number	743357
Participant fee	1000.00 GBP