

17.10.2025 - 17.10.2025

iQ-F PLC Maintenance

Address / Contact:

Description	This training course is part of a learning pathway designed to equip you with the knowledge and skills to successfully work the iQ-F range of programmable logic controllers or PLC's. This course offers training designed to help participants quickly assess the status of a PLC reported as 'failed' and identify whether the cause of the failure is external or internal. It includes procedures for diagnosing the reasons behind a PLC's halt, whether due to a missing signal or an actual fault. Participants will learn techniques for rewriting the PLC program, along with a method for making minor adjustments in urgent situations. It is recommended that attendees possess confidence in safely measuring Voltage, Current, and Resistance in electrical circuits. Experience with industrial control systems would be beneficial. The course utilizes a specialized iQ-F PLC rig and GX Work to enhance practical learning in the classroom.
Course target	By the end of the course, delegates should be competent in the following disciplines and demonstrate skills including: • Verifying the PLC is correctly assembled and connections are sound • Using the module indicators to confirm the PLC status • Confirming inputs are fully operational • Using the programming tool to check the behaviour of the program • Using the programming tool to restore the program in the PLC • Swapping a blown input or output for a spare • Checking the existence of CPU errors • Checking outputs are fully operational
Target group	This professional development experience has been designed for those who are involved on a day to day basis with maintaining control systems based around iQ-F PLC.
Agenda	Over a 1 day period delegates will cover the following modules and topics: • Correct handling of modules and assembly of PLC • Understanding connections • Fault finding step-by-step • Status Indicators explained • Making measurements at inputs • Starting the programming tool • Finding problems in the program • Monitoring the program • Re-writing the program to the PLC • Swapping a blown input or output • Checking errors

	• Checking outputs • Routine maintenance
Duration	1 Day
Products and software	PLC, Software
Article number	743366
Participant fee	550.00 GBP