02.02.2027 - 03.02.2027

# iQ-R PLC Introductory (Simple Mode)

Address / Contact: Travellers Lane, Hatfield, Hertfordshire, AL10 8XB

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| Description | This introductory 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. It provides comprehensive training designed to equip participants with the skills necessary to select appropriate PLC hardware and develop reliable programs for simple applications. The course blends knowledge transfer and classroom practicals to examines various program design techniques and demonstrates the creation of sequences through alternative methodologies. It emphasizes best programming practices to identify and mitigate common errors, ensuring that the resulting programs are robust and easy to comprehend. Furthermore, the course addresses the configuration of PLC parameters to guarantee that projects created in the GX Works programming tool, encompass all critical elements. This course uses the Simple or Ladder mode of program creation. |
| Course target | By the end of the course, delegates should be competent in the following disciplines and demonstrate skills including:<br><br>• Selecting suitable hardware and building up a PLC<br>• Choosing the best approach for creating a program for a simple application<br>• Designing a program to respond to inputs and correctly control outputs<br>• Testing a program in a PLC and making edits.<br>• Configuring settings in the CPU<br>• Annotating a program |
| Target group | This professional development experience has been designed for those individuals with a Beginner 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:<br><br>• Hardware Selection<br>• Module placement and addressing<br>• Setting up GX Works<br>• Creating programs for simple applications<br>• Basic program elements<br>• Designing a sequence using timers<br>• Programming pitfalls<br>• Creating and testing a program<br>• Alternative solutions<br>• Editing a program offline<br>• PLC configuration and parameters<br>• Program descriptive devices |

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| Duration | 2 Days |
| Products and software | PLC, Software |
| Article number | 743352 |
| Participant fee | 1200.00 GBP |