

29.05.2025 - 29.05.2025

## CC Link IE TSN Networking Using iQ-R PLC

Address / Contact:

Description	<p>This course offers an introduction and overview of a CC-Link IE TSN network, covering transmission types, communication mode, network topologies, device Class and using non-TSN devices on the network. We will examine typical compatible products that can function as stations, with the PLC designated as the Master. Guidelines for addressing each station and mapping data with the Master will be provided. A number of examples will be thoroughly worked through starting with small-scale and building up to multiple PLCs. All aspects of configuration will be covered including diagnostics and fault finding. It is recommended that participants have completed an Advanced level course before enrolling in this one, and experience with industrial control systems would be beneficial. The course incorporates a special-purpose PLC rig and GX Works to enhance hands-on learning, and it is centered around the iQ-R PLC range.</p>
Course target	<p>By the end of the course, delegates should be competent in the following disciplines and be able to demonstrate skills including:</p> <ul style="list-style-type: none"><li>• specifying and building a network with the optimum topology</li><li>• Understanding station addressing, data exchange and mapping methods</li><li>• Designing and testing a configuration with the applicable programming tool</li></ul>
Target group	<p>This professional development experience has been designed for those individuals who have an Advanced level of knowledge and experience of PLCs and programming and who want to supplement that with a study of networking.</p>
Agenda	<p>Over a 1 day period delegates will cover the following modules and topics:</p> <ul style="list-style-type: none"><li>• Network features and specifications</li><li>• Topology, transmission types, communication mode, communication speed, station synchronisation and station class.</li><li>• Compatible hardware</li><li>• Station addressing and data mapping</li><li>• Creating and testing small scale configurations</li><li>• Monitoring and diagnostics</li><li>• Station parameters</li></ul>
Duration	1 Day
Products and software	PLC, Software
Article number	743347

Participant fee	550.00 GBP
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