

Industrial Ethernet Training Course - ICS Cyber Security

C30

Industrial Ethernet Training Course Target Group

This course is intended for controls engineers who are required to design secure ethernet and wireless networks for **industrial control systems**. The course will be a combination of presentation and demonstration.

Cyber Security for Industrial Control Systems

Industrial Ethernet Training Course (Pre) Knowledge

It is required that students have attended the **Industrial Ethernet** - Fundamentals & Best Practice and Setup, Operations & Maintenance courses, or have equivalent knowledge.

Industrial Ethernet Training Course Content

Networks are now a strategic asset of manufacturing, facilitating large amounts of data transfer quickly and reliably. They need however to be properly understood so that good design decisions are made to support the needs of the business.

Participants will gain an understanding of the common risks to the **security of industrial networks**, together with the best-practice defence strategies. These comprise a combination of policies and 'defence in depth' technological solutions.



Ethernet Training Course Methods

ATS courses are given by highly qualified trainers, with practical knowledge, in professional ATS training centres or On-Site. Prior to the course an intake conversation can take place to define the participant(s) and the company's requirements. Presentations (theory and examples) as well as practical exercises (where specified) bring the courses to life. ATS courses are interactive, the trainer will always make sure the training contents link back to your situation.

Industrial Ethernet Training Course - Specific Curriculum

Topics

The objective of this training is to highlight the very real threats that challenge the **security of industrial networks**, and demonstrate how to counter these with a range of defences.

Lesson 1