HIRSCHMANN
A BELDEN BRAND

HIRSCHMANN TRAINING

Mission Critical Industrial Ethernet
Fundamentals and Best Practices

This 1-day course addresses the fundamentals and best practices in deploying industrial Ethernet networks, with focus on reliability and redundancy, security, future proofing, and reducing the total cost of infrastructure ownership.

Complimentary for Control Logic customers.

DURATION

1 day
9.00am to 4.30pm

COST

FREE

FOR MORE INFO

Call 1800 557 705
sales@controllogic.com.au
www.controllogic.com.au

NB: Minimum class number must be attained before classes can commence.

who should attend

This training course is suitable for Design Engineers or Consultants, Service and Maintenance Technicians, System Integrators/ Installers/Network Engineers and Network owners and operators.

pre-requisites

No previous knowledge of the subject is required.

objective

Participants will gain a basic understanding of Industrial Ethernet, and learn the best practice in deploying these networks.

seminar content

OTHER COURSES

INDUSTRIAL ETHERNET (CT1)

INDUSTRIAL NETWORKING (CT2)

INDUSTRIAL ROUTING (CT3)

HIRSCHMANN OPERATING SYSTEM - HiOS LAYER 2 SOFTWARE (HiOSL2)

NETWORK MANAGEMENT WITH INDUSTRIAL HiVision (CP2)

HIRSCHMANN OPERATING SYSTEM - HiOS LAYER 3 SOFTWARE (HiOSL3)

commercial ethernet

critical infrastructure/ industrial ethernet

detailed generic case study

- Green field design process
- Physical cabling and logical design
- Addressing
- Network segregation - in Layer 2 and 3
- Equipment selection
- Network redundancy for high availability
- Cross functional disciplines

provision of design and implementations tools

Q&A session

common topics addressed

- I need to design a critical Ethernet network – Where do I start?
- Is there really a lot of difference between industrial vs enterprise/office Ethernet?
- OSI 7 layer model
  Why is it relevant and how do I use it practically?
- Do I use copper or fibre? What are the different cables and connectors available?
- What is an IP address or MAC address?
  How are they related?
- Star, Daisy Chain, Ring or Mesh topologies – Which is best and why?
- How do I segregate a network correctly in layer 2 and 3?
- What is a redundancy protocol?
  How do I measure real failover recovery times?
- Basic security measures to implement
- What are the best practices of successful local and global installations?