

Networks in Energy Automation - Module 1: Principles (NT-1BAS)

Objectives

To familiarize participants with state-of-the-art LAN network types and media, protocol structures (TCP/IP) and most important terminology. Such knowledge offers a sound basis for understanding more complex network relevant topics.

Target Group

Engineers and project leaders who are involved into the design of automation systems.

Content

Fundamentals

- Local/Wide Area Network
- ISO/OSI Reference Model
- Network Topologies
- Network Media
- Connectors / Cables
- Ethernet Frame Format

TCP/IP (Transmission Control Protocol/Internet Protocol)

- IP Addressing
- Subnet mask, Default Gateway

ICMP (Internet Control Message Protocol)

ARP (Address Resolution Protocol)

DHCP (Dynamic Host Configuration Protocol)

Prerequisites

Basic knowledge of IT and communication

Note

Structure of the lecture: Theory 100 %

This training can be booked as [VIRTUAL CLASSROOM Training](#) too.

CONTACT

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Type

Face-to-face training

Duration

1 day

Language

en