

Telecontrol and Automation - Fundamentals (TOOLBOX II & DEVICE MANAGER) (ET-TELE)

Ziele

The participants will be familiar with the terms and problem definitions of the automatic control engineering. They will also gain the basic knowledge to further attend the product-related training courses. Basic knowledge of IT-Security will be given.

Zielgruppe

Technicians, who want to work with telecontrol and automation systems.

Inhalte

Objective of automation basic structures of automation systems information to important standards

- IEC 60870-5

Information and their handling

- Binary information, measured values, integrated totals
- Commands, setpoint values

Communication

- Physical interfaces and communication equipment
- Serial transmission methods
- Organization of the interaction

Overall concept

- Data addressing
- Diagnosis
- Flexibility, extensibility

Measures to the increased reliability and availability

Basics of IT-Security

- Split organizational / technical conception
- Threats
- Architectures
- Hardening, virus protection, access protection

Teilnahmevoraussetzung

Electrotechnical basic knowledge

Hinweise

Upon completion of the "Telecontrol and Automation - Fundamentals (TOOLBOX II & DEVICE MANAGER) (ET-TELE)" the participant will have fundamental knowledge of remote control-specific terms and issues in automation technology. This knowledge forms the basis for participation in advanced, product-related training sessions. The respective follow-up seminar requires the basic knowledge imparted in the Telecontrol and Automation - Fundamentals (TOOLBOX II & DEVICE MANAGER) (ET-TELE)"

Follow-up seminar:

[SICAM 8 \(SICAM A8000 & SICAM S8000\) - SICAM A8000 - Basic & Engineering \(DEVICE MANAGER\) \(RTU-BAEDM\)](#)

[SICAM 8 \(SICAM A8000 & SICAM S8000\) - Complete for Engineers \(DEVICE MANAGER\) \(RTU-COMDM\)](#)

[SICAM 8 \(SICAM A8000 & SICAM S8000\)- Integrated System functions and IEC 61850 for Substation Application \(DEVICE MANAGER\) \(61850DM\)](#)

[SICAM RTU & SICAM A8000 - Basics \(TOOLBOX II\) \(RTU-BASIC\)](#)

[SICAM RTU & SICAM A8000 - Complete for Engineers \(TOOLBOX II\) \(RTU-COMTB\)](#)

[SICAM RTU & SICAM A8000 - Basics and Maintenance \(TOOLBOX II\) \(RTU-BASICM\)](#)

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

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Typ

Präsenztraining

Dauer

2 Tage

Sprache

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Preis

1.740 EUR

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