

Support > Training

IEC 61850 Training

(4-6 hours, depending on experience level)

This on-site training (tailored to specific groups) covers the fundamentals about IEC 61850, fundamentals of Ethernet communications in a substation environment and delves into more advanced topics as required.

Typical Agenda:

- Ethernet communications for IEC 61850
 - Ethernet communications for IEC 61850
 - Ethernet in power systems
 - The evolution of communications in power systems automation
 - Ethernet network architecture
 - Environmental robustness
 - The migration to Ethernet communications
 - IEC61850 station bus overview
 - IEC61850 GOOSE and network performance
 - IEC61850 process bus overview
 - Fiber or copper cabling?
 - Network topology, redundancy and RSTP
 - VLANs and their use
 - IEC61850 GOOSE and network performance
 - Security concerns
 - Migration of legacy protocols and serial IEDs
- Configuration process for IEC 61850 interoperability between products
- IEC 61850 implementation examples
 - Introduction
 - DRF implementation
 - Protection IED implementation
- IEC61850 configuration tool
- Configuration of interoperability between products

Learning Outcomes:

- Improved understanding of Ethernet technology applied to substation automation, particularly for IEC 61850 applications
- Mastery of IEC 61850 fundamentals from an application perspective
- Knowledge of the process to configure IEDs for interoperability using IEC 61850

Contact support@erlphase.com for pricing, and to help us tailor a course for your team.