

# IEC 61850 training course for manufacturers

KEMA Academy



## Course summary

IEC 61850 is the current international standard used for electrical grid data communication and electrical substation modeling. It is optimized for efficient and reliable transfer of process data and commands within and between Intelligent Electronic Devices (IEDs) and substations. IEC 61850 has been designed for use over a (high-speed) data network.

KEMA Academy invites you to attend our two-day training course, which has been developed to give telecommunication professionals an introduction to IEC 61850. Attending this course with our leading experts will give you the knowledge you need regarding the capabilities and benefits of IEC 61850 in relation to substation automation and further recent developments in this field such as its use in IEDs for deployment in smart grid applications.

## Target group

This course is designed for developers, consultants and engineers at manufacturing companies who need up-to-date knowledge of IEC 61850.

## Course information

The course focuses on the functionality and features of the IEC 61850 communication protocol. Participants will learn about IEC 61850 data modeling, configuration and communication services. Furthermore, new developments and practical experiences from IEC 61850 implementations are covered. Theoretical knowledge about IEC 61850 is combined with practical exercises using our KEMA test tools.

## Course outline

- > Introduction to IEC 61850
- > Overview of substation automation
- > Communication services
- > New developments

## Location

The course will be held at an external training location in Arnhem, The Netherlands.

## About KEMA

KEMA is the leading company in independent testing, certification and consultancy for standard communication protocols used in the utility industry. KEMA has already given numerous training courses to both vendors and utilities. KEMA is actively involved in the IEC working groups and has detailed knowledge of and expertise with IEC protocols. Participants will benefit from this knowledge during our training courses.

## In-company and customized training courses

At the client's request KEMA can also provide in-company and customized training courses. The course can then, for example, deal with actual cases from your business operations, or future scenarios sketched out by you. We are flexible in this.

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