

IEC 61850 with zenon

Smooth communication in line with the IEC 61850 standard and seamless interoperability



EFFICIENT ENGINEERING

zenon is designed to make your engineering as quick and efficient as possible. This saves you time and helps you design projects that meet the highest standards in reliability, security and usability.

- ▶ Simple engineering of the command control, as the system reads the control model and is able to manage a command process, even fully automatically.
- ▶ The communication engineering is completely integrated in the development environment (zenon Editor). An implemented tool to set up IED connections and import report configurations directly from the SCD file provides overview and faster configuration.
- ▶ During establishing the connection (association), the driver reads the data model and thus prevents mismatches. The driver automatically selects the best matching reports. If a report does not exist the driver automatically starts polling the referred data.
- ▶ The driver supports automatic reconnect and an alternative IP-address.

FROM EDITION 1 TO EDITION 2

Steady extension of the IEC 61850 stack leads inherently to the extension for IEC 61850 Ed.2. From zenon 7.20 on the

FAST FACTS

- ▶ Certified IEC 61850 Client Driver
- ▶ Efficient engineering saving your time
- ▶ COPA-DATA is your experienced partner with over 20,000 installations in the Energy Industry

Service Tracking feature is available. This feature is beneficial for commissioning but also for security supervision. All data types and Functional Constrains introduced by Edition 2 are supported and commands for analog values according to Edition 2 are implemented.

HIGH QUALITY SOFTWARE

In the headquarters in Salzburg, Austria, expert developers and quality assurance professionals ensure product development and quality assurance meet the highest standards in reliability and security. This is also true for all drivers and supported protocols. State of the art certificates like the IEC 61850 Ed.2 certificate prove quality standards.

Compared to other systems, the IEC 61850 Client is natively integrated in the zenon software platform. This is possible because the COPA-DATA development team has developed the entire stack without using third party source code. With extensive experience in driver development, any additional desired functionality can be quickly developed and integrated into zenon to meet your specific requirements.

SUPPORT AND CONSULTING

Local support and consulting and the back-up of a global network of experts in the Energy Industry ensures you'll always have a superior experience in serving your customers. With over 20,000 installations, zenon is firmly established in the Energy Industry.

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Facts & Features

- ▶ Driver acts as communication Client
- ▶ “Direct operate” and “select before operate”, with and without enhanced security, integrated in command control
- ▶ RTU time stamping and RTU quality used in entire system
- ▶ Online browsing for process variables from engineering environment
- ▶ Offline browsing (SCL files)
- ▶ Dynamic datasets
- ▶ ACSE authentication (IEC 62351-4)
- ▶ File transfer support
- ▶ Definable originator category (orCat)
- ▶ Individual trigger options for reports (for devices requiring that from client)
- ▶ Use your own variable names!