

straton IEC 61850

Energy industries standard protocol

IEC 61850 standard provides a consistent standard unifying substation automation and distributed power generation equipment, from the switchgear right up to supervisory control and monitoring functions.



WORLDWIDE STANDARD

IEC 61850 is a worldwide accepted standard that defines the communication between electrical switchgear, control equipment in substation automation and the related system requirements. It is devised to be self-describing and standardize feature descriptions, measurements and control among all manufacturer through strong typing of data.

WHAT ARE THE ADVANTAGES?

Because many different communication protocols are being used in substation automation, protocol converters are commonplace. Significant challenges are faced interfacing communications, leading to higher development costs for hardware vendors and increased integration and maintenance costs for network operators. IEC61850 aims to simplify and unify the communication within a substation.

STRATON WITH IEC 61850

straton IEC 61850 includes as well the tool to design your IED (through the creation of ICD and CID file with our SCL

editor) and the means to manipulate easily variables for programming or interfacing them through another protocol.

EASY TO USE

- ▶ Connect any kind of equipment to the 61850 world using our drivers (MODBUS, CANopen, Profibus, Profinet, EtherNet/IP, DNP3, IEC 60870)
- ▶ Integration keeping actual architecture of the existing device
- ▶ Integrated SCL editor
- ▶ IEC 61850 plus GOOSE integrated into a complete IEC 61131-3 PLC
- ▶ Software or hardware solution through our partners
- ▶ Import variables directly from the connected IEDs or other devices
- ▶ IEC 61131-3 acting as GOOSE publisher and subscriber, reacting to critical events within the time limits needed in a substation application

DNG VL CERTIFICATION

A lot of companies have successfully passed the DNV GL IEC 61850 (KEMA) certification using straton, as Secheron, Vizimax or Brodersen.

FAST FACTS

- ▶ Fully integrated in one tool
- ▶ Supports MMS and GOOSE
- ▶ Certifiable with DNV GL (ex Kema)