PCS 7 Gateway  IEC61850 communication
The gateway enables seamless integration of IEC61850 devices into SIMATIC systems like S7 and PCS 7. A PCS 7 CFC library supports this integration. Plant operators can use one and the same system to control process and electrical equipment. The different system architectures of the past are now united in one integrated automation and control concept. This results in flexible and cost efficient plant extensions and modernizations. The communication is based on Industrial Ethernet and supports redundancy on all levels.

Use-Cases
- Process systems in connection with electrical equipment
- Switchgear automated with S7 and PCS 7
- Alarming of critical conditions in the switchgear in the HMI of process system if the HMI of the switchgear is not manned full time

Customer benefit
- Cost effective solution based on existing Industrial Ethernet components
- Simple configuration in standard PCS 7 or STEP 7 engineering environment
- Scalable and flexible from a few to several hundred devices
- Redundancy available

PCS 7 Gateway CM104 for IEC 61850

Industrial Technologies
Technical data/Features

The PCS 7 Gateway CM104 for IEC 61850 offers the following performance:

- Less than 1 sec update cycle (depending on number of devices per S7 CPU)
- Original time stamps of IEC devices in PCS 7 Operator Station
- Reporting supported
- Standard blocks including OS symbols and faceplates for SIPROTEC and other devices families available
- Simple engineering with standard PCS 7 and STEP 7 Tools
- Simple configuration of project specific variables
- Extensive diagnostic functions
- Communication library for CFC engineering
- Almost no configuration in CM104 required (only network addresses)
- Up to 128 devices per gateway
- Up to 8 S7-400 or 8 S7-400H per gateway
- Full redundancy

Further Information

Inquiries
CM104 IEC 61850 gateways will be offered on a per project base. Please forward your requirements to the contact below.