

XPG Gateway for medium voltage station – SIL

Challenges

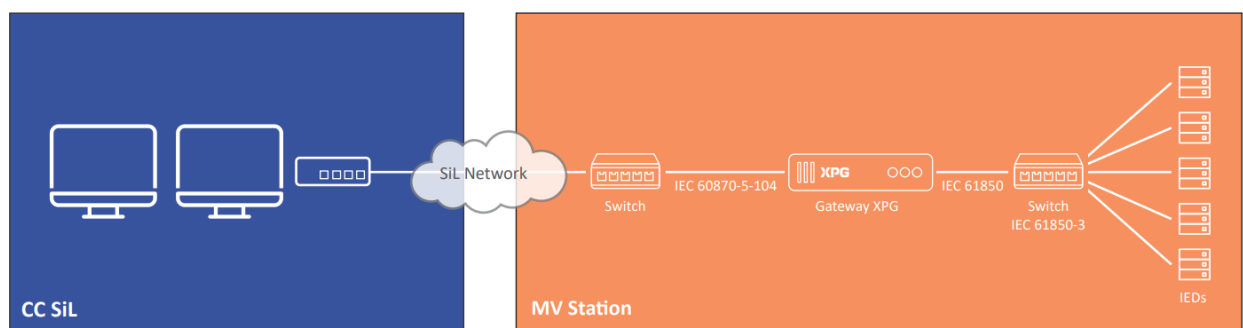
SIL is equipping one of its **MV substations in the city of Lausanne with the XPG gateway from Elvexys**. The process signals are sent from the IEDs to the gateway using the **IEC 61850 protocol**. The Gateway converts the protocol to **IEC 60870-5-104**.

The **XPG gateway is supplied in an enclosure, including IEC 61850 network switches, UPS, cabling and configuration**. The enclosure can therefore easily be mounted in the substation and connected to the process devices.

→ Elvexys' Solutions & Services

- Enclosure design and wiring
- Standardisation and signal list
- Configuration of XPG Gateway
- SAT (Site acceptance tests)
- Maintenance and support

Schematic



Why choose Elvexys?

- ✓ Standardised solution
- ✓ Centralisation of data from the field
- ✓ Simplicity of mounting and commissioning

Standards

- IEC 60870-5-104
- IEC 61850
- SNMP V3

Hardware & Software

XPG Gateways

XPG is a product line based on StreamBridge, a modular multi-protocol communication gateway, ISOS (Industrial Secure Operating System) and chosen hardware which is used for all communication applications, data processing and protocol conversions.

StreamTools

This engineering tool is deployed at Elvexys in accordance with a strict security policy, including secure access for users. StreamTools includes uniqueness, version management, locking and rights mechanisms to manage simultaneous user access.

StreamConsole

StreamConsole is the remote gateway management tool which allows configuration and monitoring for the client.

- Manage StreamBridge and ISOS
- Update configuration
- Update firmware
- Manage log files
- Start / stop of services

