Data acquisition for electric metering – Delley-Portalban commune

Challenges

The Delley-Portalban commune has need of tele-metering system regarding individual electrical consumptions of its camping site.

Elvexys provides a communication platform to pick up and centralise consumption values, linking up plots to their energy usage. This information will be used as a basis for billing purposes.

A smoke alarm and temperature sensor will also be set in place in the technical facilities and allow SMS alarms if the need arises.

→ Elvexys' Solutions & Services

Installation and configuration of communication platform

Link up of electric meters from different plot zones of the camping site

Data engineering

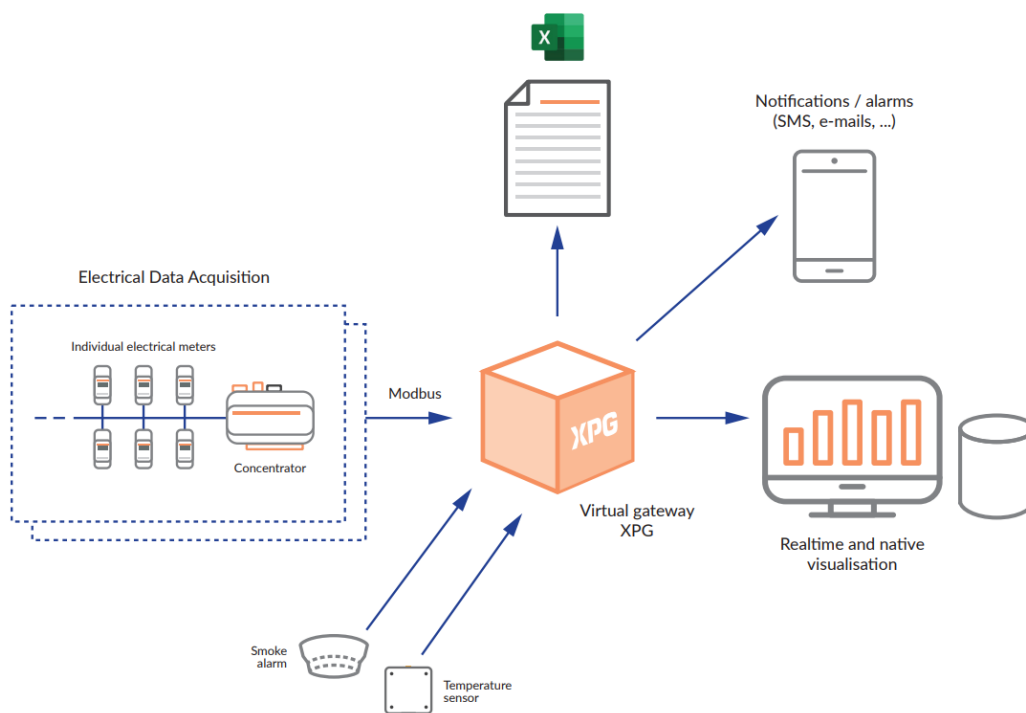**Export of consumption values in CSV format**

Set up of SMS

Commissioning

Why choose Elvexys?

✓ Automatic tele-metering system

✓ Automatic billing

✓ Alarm SMS generated in case of a fire start or temperature problems in technical facilities

Schematics

Hardware & Software

The XPG virtual appliance is composed by two element developed by Elvexys:

StreamX

Built in a modular fashion, StreamX is a realtime management and control solution for data acquisition processes comprised of a set of different tools. These tools may also be used in a separate manner.

ISOS

ISOS (Industrial Secure Operating System) is a Linux based operating system built by our security experts.

Various sensors

- Smoke alarm
- Temperature

Protocols & Standards

- Modbus
- SMS
- CSV File