



Data Acquisition for electric metering - Delley-Portalban commune

Sector: Data acquisition

Date: 2019-2020

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.

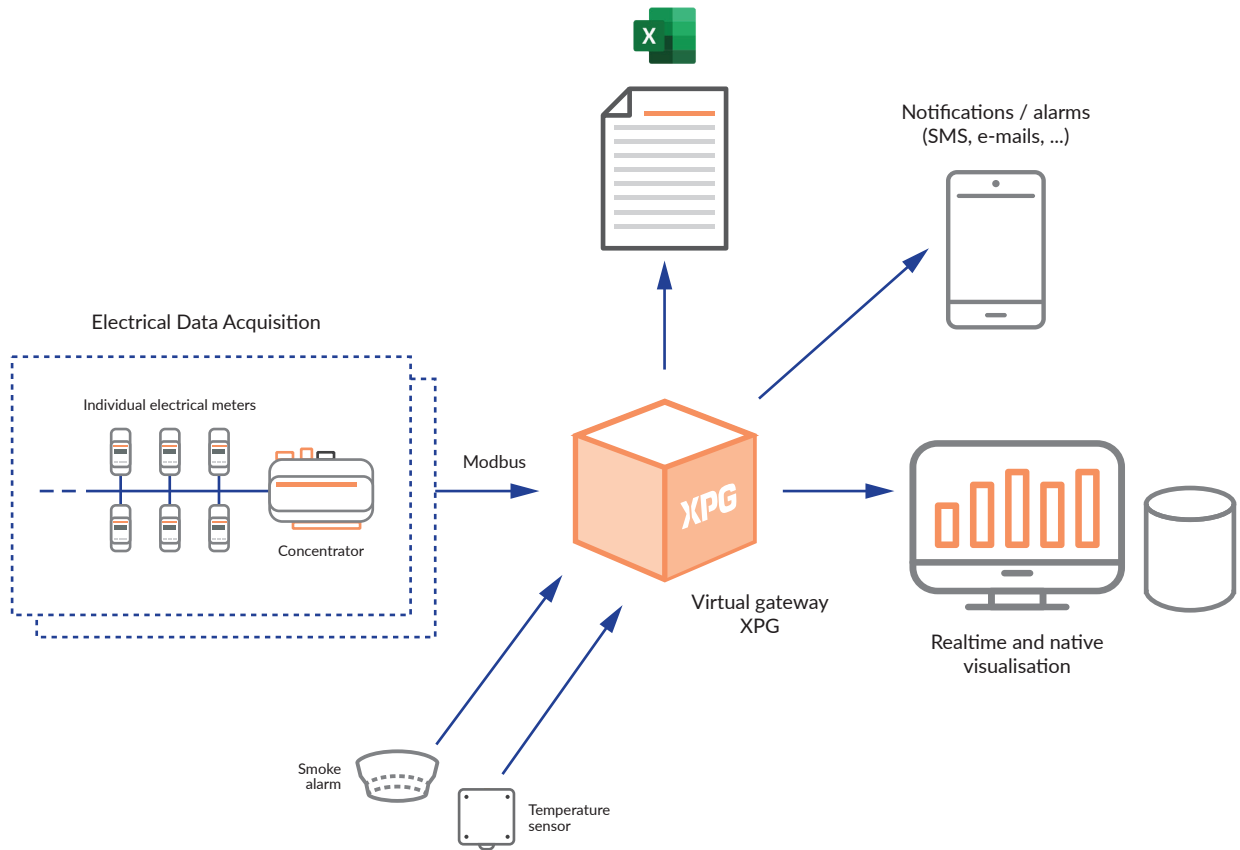
Elvexys solution & services

- 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 alarm 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

Schematic



Hardware & software

The XPG virtual appliance is composed by two elements 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