Remote Metering Device – Energiapro

Challenges

Energiapro's needs are to remotely collect measurements from gas volume converters or meters. They are looking for a standardised solution they can self commission in the field.

The solution must:

→ Collect data from existing or new devices by standard protocols such as Modbus.
→ Process data from csv files provided by existing solutions, which do not require any modification.
→ Automatically detect and correct the periods where measurements are missing.
→ Store the measurements in DB for BI (Business Intelligence) tool.

Based on the XPG gateway, Elvexys has designed a solution that meets their needs with:

→ A centralized platform to process and store the data.
→ Field gateways which can collect the data and provide it via mobile network communication (3/4G)

→ Elvexys' Solutions & Services

Measurement collection

Standardisation of the configuration for multiple deployment

Communication network configuration
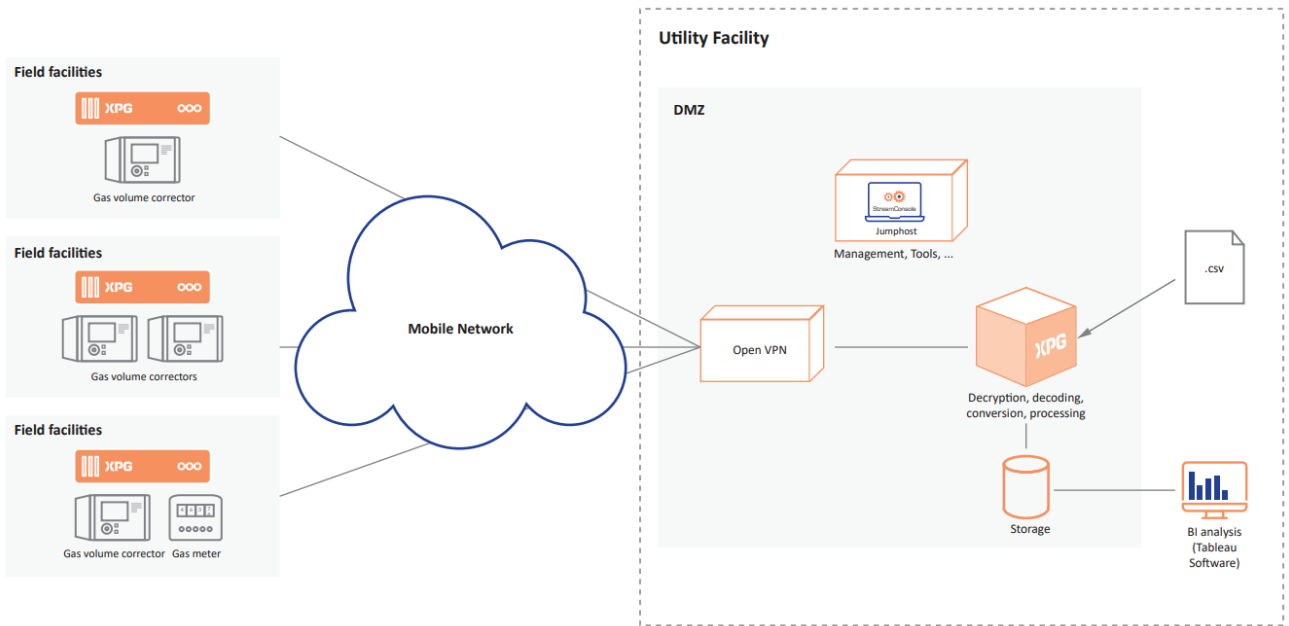
Creation of **visual interface**

Configuration of BI tool to represent the data bulk

Training/Workshop for the new device deployment by Energiapro

Why choose Elvexys?

- ✓ Know how transfer to achieve the autonomy desired by customer
- ✓ Unified configuration
- ✓ Regular interval data salvaging enabled up to real-time
- ✓ Data centralising and standardising
- ✓ Possibility to connect the data collection with the billing

Schematics

Hardware & Software

- **XPG**
- **ISOS**
- **StreamX**
- **Tableau Software**

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Standards

- IEC 60870-5-104
- Modbus
- CSV Reader