



Smart Connections

ionSign – NEUTRON

Reliable AMR Everywhere

The **NEUTRON** concept is designed for remote reading of energy and utility consumption. It brings smart meter features to conventional, inexpensive utility meters, facilitating energy management services and energy efficiency improvements. It is versatile, dependable and supported by a cloud service. Setting up **NEUTRON** is simple and quick.

Neutron is a pulse concentrator, reading consumption data from 4 to 480 connected conventional, inexpensive, pulsed or Modbus utility meters. Electricity consumption may also be read directly on the cable, without a separate electricity meter. **Neutron** has an integrated data transfer using 3G or TCP/IP networks. **Neutron** is either mains or battery powered, enabling AMR for e.g. off-grid gas or water meters.

Fast Lane to Smart Metering

Neutron turns conventional energy and utility meters into smart meters. Any pulsed or Modbus meter – electricity, gas, district heating, water etc. – may be monitored. **Neutron** automatically sends hourly, half-hourly or quarterly data to the server, optionally also at user defined intervals. With **Neutron**, a detailed smart submetering is built easily and efficiently.

What makes **NEUTRON** different?

- **Very low cost per measured location**
Simple inexpensive metering will do
One unit serves up to 480 meters
- **Very easy to install and expand**
May be configured in advance
Low installation qualifications
- **Data is never lost**
The device collates data independently of server
Internal buffer for transfer network failures
- **Hand-over to customer negotiable**
Anything from simple data aggregation, fed to customer's systems, to advanced reporting





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Case Enegia Group Oy

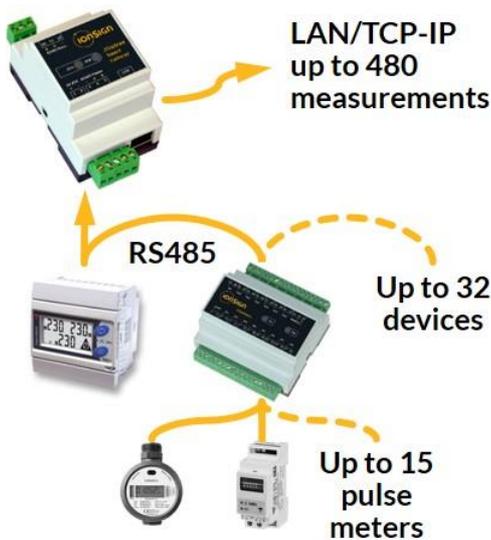
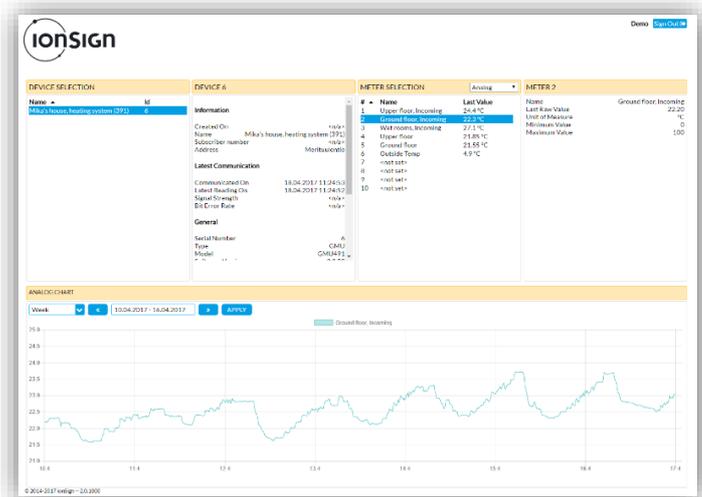


Read more: bit.ly/enegia

Enegia Group is a leading energy service company in the Baltic Sea region. Since the utility provider only provides top level metering, Enegia uses extensive sublevel metering. Neutron AMR are the backbone of Enegia’s utility data acquisition. The data flows directly to Enegia’s bespoke energy management system. Enegia provides its customers with massive amounts of real-time individual consumption data easily and cost efficiently, to support energy management and savings.

ionSign CLOUD - Flexible Integration

ionSign Cloud is the receiving and reporting platform of the data. Several plans are available, for device and data management or data forwarding. We also fully support your bespoke integrations, should you wish to acquire data directly from Neutron field devices to your EMS, BMS, or any other data system. Built on standard http, Neutron transfer interface is effortless to integrate. We don’t like vendor-lock-in any more than you.



Your Benefits

A Neutron user has all consumption data of the monitored locations, real-time, in a single interface, ours or your own EMS. Knowing the utility consumptions at suitably detailed sublevels, allows making informed decisions on developing energy procurement, energy efficiency investments and energy using behaviors. Whether a real estate owner or manager, energy manager or consultant, Neutron provides the knowledge.