



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.

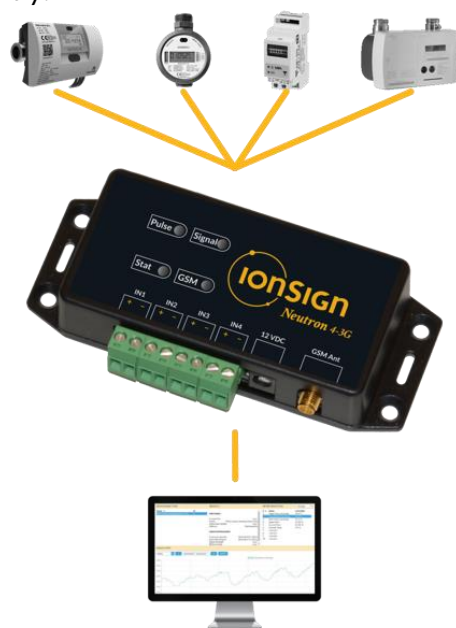
**Neutron** harvests consumption data, reading both modern *smart meters* and conventional, inexpensive, *pulse or Modbus utility meters*. **Neutron** has an integrated communication to 3G or TCP/IP networks. To secure your data, **Neutron** has extensive non-volatile buffer for communication failures. **Neutron** is either mains or battery powered, enabling AMR also for locations without mains supply, e.g. gas or water meters.

### Fast Lane to Smart Metering

**Neutron** turns conventional energy and utility meters into smart meters. Any pulse or Modbus meter – electricity, gas, district heating, water etc. – may be monitored. **Neutron** automatically sends hourly, half-hourly or quarterly data to the server. You may use your own server, a commercial one or ionSign Cloud. With **Neutron**, a smart, detailed submetering is built easily and efficiently.

### What makes **NEUTRON** different?

- **Very low cost per measured location**  
Simple inexpensive metering will do  
One unit serves from 4 up to 480 meters
- **Very easy to install and expand**  
May be configured in advance  
Low installation qualifications
- **Data is never lost**  
The device collects 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

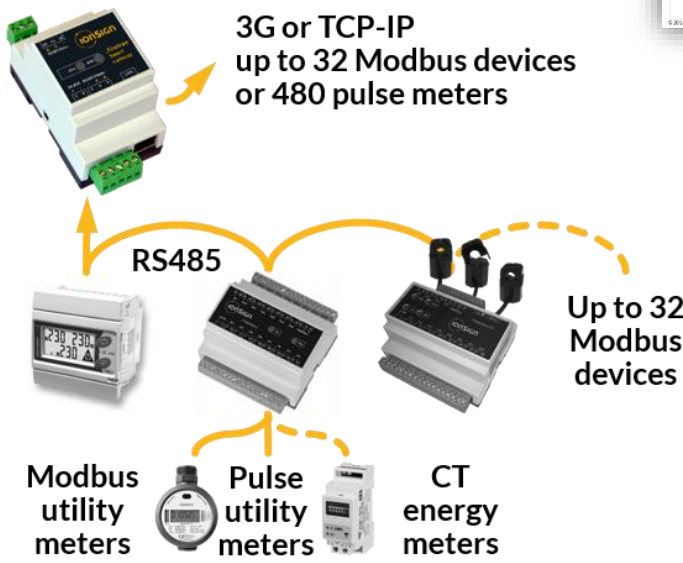
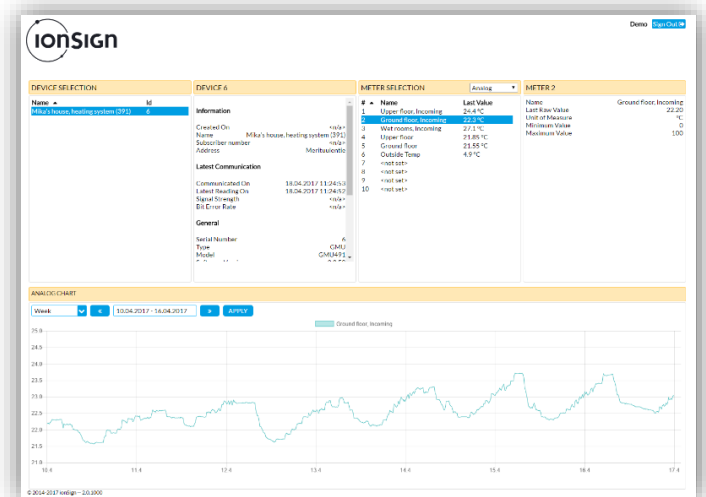


Read more: [bit.ly/enegia](http://bit.ly/enegia)

Enegia Group is a leading energy service company in the Baltic Sea region. Since the utility only provides top level metering, however smart, Enegia uses extensive sublevel metering. Neutron AMR are the backbone of Enegia’s utility data acquisition. The data goes 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 granular levels, allows making informed decisions on developing energy procurement, energy efficiency investments and energy using behaviours. Whether a real estate owner or manager, energy manager or consultant, Neutron provides the knowledge.