



## **NERO Electronics Introduces Smart Metering Solutions for Electricity, Gas and Water at Egypt Energy 2022**

*NERO Electronics takes part in Egypt Energy 2022 at the Egypt International Exhibition Center (EIEC) from October 30 to November 1. At booth H4.H41, the company showcases its all-around solution for smart metering of electricity, gas and water.*

In the current global agenda with rapidly changing international conditions and rising resource tariffs, control and conscious consumption of electricity, gas and water is an actual topic for enterprises, real estate developers and communal services companies, ordinary citizens. NERO metering automation solution for electricity, gas and water includes not only smart residential meters with communication technologies, but also a complete and easily scalable turnkey system with concentrators, IoT-platform for data processing and visualization, support for setting up and starting the system. This allows you to effectively control the resources consumed, optimize and potentially reduce utility bills.

**Smart Electricity Meters** include different models: Single-Phase Multi-Tariff Electricity Meter in retro-design and modern form-factor, Three-Phase Multi-Tariff Electricity Meter. The phase type of the meter is determined by the type of power supply. The device records, collects and transmit data to remote reading system. Features depend on the model and specifications, communication interfaces. NERO developed unique Smart Meter Protocol that is both: functional enough for all electricity parameters and perfectly light weight to suit LPWAN requirements.

**Smart Water Meters** by NERO are represented by 2 models based on proprietary technologies. *Smart Hot & Cold Water Meters* collect and send readings remotely owing to their built-in LPWAN radio technologies. They inform the operator about unauthorized activities and allow tracking statistics and balance. *Ultrasonic Hot & Cold Water Meters* with high-precision metrology and ultrasonic technology, built-in modern LPWAN radio technology modules for sending readings, archiving and self-diagnostic system provide an advanced option in automated water metering systems.

**Smart Gas Meters** operate based on ultrasonic technology with a unique mathematical algorithm for digital signal processing. When the gas flow rate changes, the speed of the ultrasonic pulse also changes. This speed is measured and converted into volumetric flow data. The device automatically sends readings to the operator due to the built-in LPWAN radio technology module. At the same time, the meter maintains a data archive and is equipped with monitoring and diagnostics systems.

NERO Electronics regularly participates in international exhibitions. The company's high-quality technological products constantly arouse the interest of business visitors. We invite developers and experts of smart technologies in energy and monitoring, business partners and clients to discuss the possibilities and benefits of monitoring the consumption of electricity, water and gas with smart meters with NERO Electronics at Egypt Energy 2022 by visiting booth H4.H41.

*Meet NERO Electronics at Egypt Energy 2022 at the Egyptian International Exhibition Center (EIEC) at booth H4.H41. Book a business meeting and demo by contacting Head of Sales Department [s.khorolsky@neroelectronics.by](mailto:s.khorolsky@neroelectronics.by)*

**About**



**Nero Electronics** is a leading developer and full-cycle manufacturer of a smart metering devices, systems and all-round solution for the automated collection and processing of accounting data for all resources at once (electricity, water and gas).

The team of highly qualified engineers, proper proven technologies confirmed by patents (63 patents on communication technologies) and a well-established product quality control system ensure a high level of reliability of the company's products.

The full-scale product portfolio by NERO Electronics includes:

- electronic modules, components and communication technologies for smart metering systems and devices;
- "ready-to-use" smart metering devices with built-in communication technologies;
- complex systems for remote readings and analysis: from smart meters to data analytics in user-friendly personal account.

Production facilities provide up to 2 000 000 modules per year. The dealer network of the company covers 15 countries of the world. The total sales per year is more than 500 000 units.

Read more: [www.neroelectronics.com](http://www.neroelectronics.com)