PRODUCT BROCHURE · ENERGY MONITORING

Professional Real-Time Energy Monitoring



How can you control, reduce and eliminate your invisible energy waste?

Energy is invisible in use, so it is easy to waste it. Your monthly bill gives you just 12 data points a year, with no breakdown of where the money went. With Eniscope, your energy use is visible, making it easy to save.

The system starts with advanced metering to accurately capture your critical energy data, whether at building, department, circuit or equipment level. This information is collected in real time and delivered locally and over the web through clear dashboards, alerts and reports.

Seeing your live consumption broken down into its key components empowers you to cut costs, reduce your carbon footprint and maintain those results over time.

What we monitor

- Main distribution panels and load distribution
- HVAC, lighting and refrigeration
- Pumps, motors, compressors and production lines
- Gas and water through connected pulse meters
- Renewable assets such as solar
- Temperature, humidity, occupancy, light and CO2

> "We've had the Eniscope for about a month and I've been able to save 43% of energy costs."
>
> Chief Engineer, Bethune University, USA

Accurate

Class 0.2 metering of up to 8 three-phase channels per unit, better than 1% voltage accuracy.

Central view

Electricity, gas and water in one place, from one site to a full estate.

Web-based

No software to install. Use any browser or the mobile app, from anywhere.

Alerts

Email alerts flag excessive use and abnormal consumption as it happens.

Verification

Check the real impact of new equipment and energy saving strategies.

Scalable

Add more meters and compatible wireless sensors whenever you need.

Real-time monitoring

Working out where you wasted energy from a monthly bill is impossible. Eniscope shows exactly where your energy is going, second by second. Make a change and the results are immediately obvious, so you can test new strategies and retrofit equipment and know at once whether they work.

Energy analytics

Eniscope Analytics is a web-based diagnostics tool that gives rich insight into historical consumption and the health of your power supply: compare meters on one chart, itemize by building, department, circuit or machine, track cost with spending forecasts and monitor power quality to avoid maintenance and safety issues. Daily email reports show improvements and expose weaknesses.

Cost allocation and benchmarking

Allocate electricity cost by site, process, department or product, and benchmark site against site to find the best and worst performers.



Technical specifications

Metering points	Up to 8 three-phase (24 single-phase) per unit
Metering range	5A to 3000A, higher on request
Supply voltage	100-250V AC
Measured parameters	Over 50
Additional inputs	2 pulse inputs (gas, water), temperature sensors
Connectivity	Ethernet, Modbus, MQTT, API, LoRa wireless sensors
Dimensions	235 x 145 x 60 mm, DIN rail mounting

Proven in Saudi Arabia

15%
Annual energy saving per store, Kudu restaurants

53,571 kWh
Annual reduction per Kudu store

1.6 years
Payback achieved at Kudu

1.8 years
Payback at Nova Water, Riyadh factory

How IOTech delivers

01
Assessment and planning
We review your bills, sites and equipment and identify where the savings are.

02
Custom solution design
Metering points, sensors and controls designed around your business goals.

03
Deployment and integration
Fast installation by our local team, without interrupting operations.

04
Monitoring and optimization
Our Virtual Energy Manager watches your data and keeps savings on track.

Ready to see where your energy goes?

Book a free energy assessment for your facility with the IOTech Energy team.

iotechenergy.com