PRODUCT BROCHURE · ENISCOPE EMS

Eniscope EMS: Monitor, Control and Reduce



The end-to-end Eniscope energy management system

Up to 43% of global energy consumption is going to waste. Eniscope EMS is an all-in-one hardware and software package that reveals energy consumption in real time, in minute detail, then helps you act on it.

The hardware

Eniscope is a compact plug-and-play system, easily and safely installed by an electrician in around 3 hours, without interrupting operations. It offers 8 three-phase metering points, with inputs for temperature and pulse meters and wireless connectivity for the Eniscope Air IoT sensors and controls.

The software

View data anywhere in real time with Eniscope Analytics. The cloud platform lets you manipulate data easily and use intelligent alarms to inform actions on site. One analytics platform replaces scattered, disparate information, and scales to second-by-second data from thousands of locations.

Not in the office? Use the mobile app to make energy decisions on the go.

Integration

Connect to existing gas and water meters, and feed data into your current BMS or CAFM system through the API, Modbus or MQTT.

1. Second-by-second data
See consumption as it happens, down to individual assets.

2. Verify savings
Prove the effect of LED, HVAC and other energy saving projects.

3. Find hidden waste
Over-use alarms expose invisible waste and cost saving options.

4. Benchmark sites
One dashboard for a whole estate, comparing site against site.

5. Engage staff
Real-time public displays change behaviour on site.

6. Always improving
Remote updates via the cloud keep the system current.

Analytics that drive action

- **Compare:** numerous meters on the same performance chart.
- **Itemize:** consumption by building, department, circuit or machine.
- **Plan:** cost tracking in any currency with spending forecasts.
- **Prevent:** power quality monitoring to avoid maintenance and safety issues.
- **Report:** daily email reports show improvements and expose weaknesses.
- **AI insights:** pattern detection and optimization suggestions.

Public displays that change behaviour

Real-time energy displays placed around your building show occupants how energy is being used, with features such as league tables between staff or sites. Nando's rolled Eniscope out across its restaurants in India and, with a program of awareness and incentives alone, saves on average 21.2% per store, rising to 38.7% in the best store.



Technical specifications

Metering points	Up to 8 three-phase via 333mV CTs
Metering range	5A to 3000A, higher on request
Supply voltage	100-250V AC, under 20W (7W typical)
Voltage accuracy	Better than 1%
Connectivity	Ethernet, Modbus, MQTT, API
Dimensions / weight	235 x 145 x 60 mm / 750 g

> I've never seen a system like it, even though I've had a lot of meetings with a lot of providers. It's been very easy, the platform is very intuitive.
>
> **HEAD OF CONSTRUCTION AND REAL ESTATE, REITAN CONVENIENCE (7-ELEVEN), DENMARK**

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