PRODUCT BROCHURE · ENERGY MANAGEMENT

Energy Management Solutions: From Monthly Bills to Real-Time Control



Electricity is one of your largest controllable operating costs

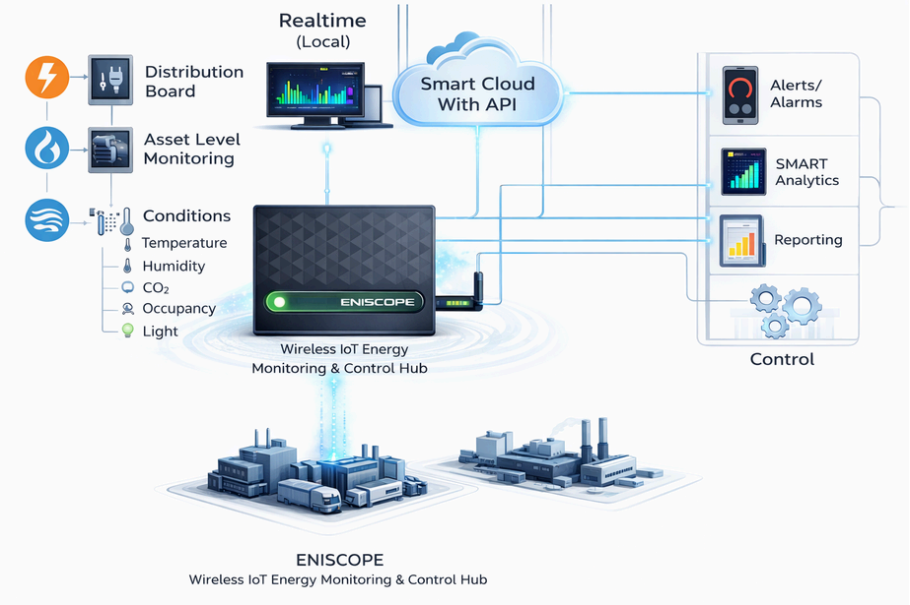
Most businesses only see their energy cost when the bill arrives at the end of the month, after it is due for payment. IOTech Energy replaces that with continuous, real-time visibility and control, so waste is found and fixed while it is happening.

Our solution combines IoT metering, wireless sensors and controls, a cloud analytics platform and a dedicated Virtual Energy Manager, in one service delivered and supported locally in Saudi Arabia.

The challenges we solve

- **Energy cost:** rising with higher tariff rates and new sites opening.
- **Cost visibility:** no view of the sources of consumption, only the monthly bill.
- **Operating standards:** hard to keep machines, lines and shifts consistent without central monitoring.
- **Asset breakdown:** no early detection of faults, leaks and abnormal use.
- **Vision 2030:** pressure to meet ESG and Net Zero commitments.

How the system fits together



What the solution includes

Eniscope metering
8 three-phase channels per unit, second-by-second data for buildings, circuits and equipment.

Eniscope Air controls
Wireless sensors and controls for HVAC, plug loads and three-phase assets, a lighter alternative to a full BMS.

CUES for refrigeration
Food-temperature control for fridges and cold rooms that cuts compressor cycling.

Cloud analytics
Dashboards, AI-driven insights, cost allocation, power factor and carbon tracking.

Smart alarms
Predictive alerts for idle machines, faults and over-use before they become costly.

Virtual Energy Manager
A 24/7 service that reviews your data and helps sustain savings.

Key features

- Real-time energy monitoring and smart automation
- Energy cost per product and per site
- Monitor and control brand standards across sites
- Detect idle running machines and waste
- Predictive alerts and maintenance to protect asset lifespan
- Load distribution and power factor monitoring
- Multi-site benchmarking from one dashboard

Results our clients achieve

15%
Kudu: annual saving per store, 1.6-year payback

1.8 years
Nova Water: payback, Riyadh factory

26%+
Tex Plastics UK: energy savings

£237k
Tex Plastics UK: annual savings, break-even in 3 months

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