SmartEnergy Analytics — Real-Time Power Insights for Smarter Savings
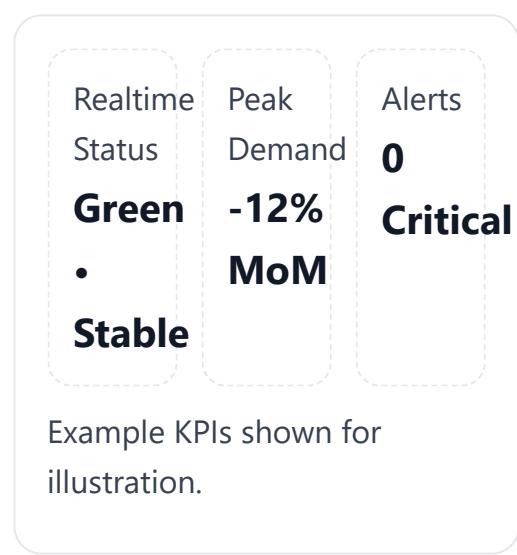
Monitor, analyze, and optimize energy usage across meters and sites with live dashboards, alerts, and reports — all in one intuitive platform. Reduce energy spend, prevent downtime, and simplify compliance.

What It Is

SmartEnergy Analytics is a web-based energy monitoring and analytics platform that turns data from your smart meters into actionable insights. View live consumption, phase health, and trends, set alerts, and export reports — all from a modern, responsive dashboard.

How It Works

- **Connect:** Link your existing smart meters or gateway to our secure API.
- **Stream & Store:** Ingest real-time data and retain history for deep analysis.
- **Visualize & Act:** Use live dashboards, alerts, and reports to make decisions fast.

Realtime Status	Peak Demand	Alerts
Green • Stable	**-12% MoM**	**0 Critical**

Example KPIs shown for illustration.

Key Features

Live Dashboard

Real-time speedometer and KPI cards for instant status checks.

Rich Analytics

Interactive charts for time-series trends, phases, and peaks.

Meter Management

Filter and compare meters quickly with intuitive selection tools.

Alerts & Notifications

Get notified on anomalies, thresholds, or outages before they escalate.

Reporting

Generate and export reports for audits, compliance, and leadership.

Multi-User Access

Role-based access for admins, operators, and managers.

Why Companies Choose It

- **Cost Savings:** Identify peak loads, wastage, and drift to lower energy bills.
- **Faster Decisions:** Real-time visibility with alerts to act before issues grow.
- **Compliance Ready:** Simplify reporting for ESG, ISO, and audits.
- **Scalable:** Start with a few meters and scale to sites or campuses.
- **Team Friendly:** Intuitive UI that reduces training and speeds adoption.

Common Use Cases

- **Manufacturing:** Balance loads, protect equipment, cut peak demand charges.
- **Commercial Buildings:** Track HVAC and lighting across floors/sites.
- **Campuses & Hospitals:** Monitor critical circuits, ensure uptime, report usage.
- **Utilities & ESCOs:** Provide customer portals and targeted programs.

Getting Started

1. Connect meters or gateway to the backend API.

2. Add meters and set thresholds in Settings.

3. Invite teammates and assign roles.

4. Explore dashboards, charts, and reports to uncover savings.

Technical Notes

- **Architecture:** Backend API + modern frontend UI with Nginx.
- **Deployment:** Containerized via Docker Compose for quick setup.
- **Integration:** Works with standard smart meters/gateways via API.
- **Security:** Role-based access and secure data transport. On-prem or cloud.

Call to Action

Book a 20-minute demo to see your data live, start a free pilot and measure ROI in weeks, or contact sales for multi-site rollouts.

Email: sales@yourcompany.com | **Phone:** +1 (555) 123-4567