

Empower Energy Management with Intelligence

The major driver for the use of IoT technologies in offices, buildings, data centres and industrial plants is the need for more efficient, streamlined energy management. With improved control over energy consumption, organizations can significantly reduce energy waste, cut maintenance and operating expenses and increase cost savings.

Reduce energy consumption in offices, buildings, data centres and industrial plants **by up to 20% and save 10-20% on energy bills.**

Improve staff productivity and reduce reliance on on-site personnel by enforcing and tracking energy consumption across multiple sites with mobile apps and desktop interfaces.

Energetix™ Energy Management

Energetix™ Energy Management is a smart energy management system that uses IoT to aggregate, monitor, analyse and optimise utilities from across office, building and industrial plant systems to drive energy behavioural change.



Electrical Energy

- HVAC
- Lighting
- Plug Loads
- Elevators
- Pumps & motors
- Data Centres
- Equipment



Chilled Water

- Chiller Plants
- AHUs / FCUs
- CRAC Units



Water

- Portable Water
- Hot Water
- New Water



Fuel

- Diesel
- Gas
- Heating Oil



Renewables

- Solar PV
- Solar Thermal
- Wind
- Tidal
- Geothermal



Capability to measure various forms of utilities

Measure your building's electrical energy, chilled water and water consumptions, fuel, plug loads and renewables. Have a consolidated view of all your utilities so that you can optimise your building performance.



Increase Visibility & Collaboration

Actively monitor energy consumption across your building site from floor location right down to device level and use alerts to track energy threshold and costs. Apply data analysis and utilise charts for powerful visualization to promote active engagement and collaboration amongst stakeholders across the organisation.



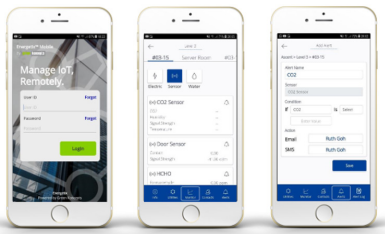
Information at your Fingertips

Easily access critical information via mobile app, web application or a public dashboard. Increase awareness and transparency on energy consumption and optimisation at all levels of your organisation.



Optimise Building Performance

Machine Learning and Predictive Analytics automatically learns your building's characteristics such as energy usage, occupancy, weather conditions and equipment conditions to optimise system efficiency for better performance and maintenance planning.



24/7, 365 Accessibility Through Mobile App

24/7 on the move access to your building and asset data empowers your facility managers to be more efficient.



Increase Awareness and Engagement with Interactive Public Dashboard

Display clear energy smart goals on interactive dashboards for public display at common access areas such as your lobby, reception area, or command and control front desk.



Multi Building Dashboard for Peer-to-Peer Comparison

Effectively visualise the energy consumption profile of multiple buildings all at the same time via an easy-to-use, single dashboard.

Key Features

Energy Dashboard for Centralised Real-Time Utility Monitoring

Get a holistic view via a powerful GUI that helps centralise the consumption statistics of utilities across all of your properties. Benchmark building performance across multiple locations, sites or even countries with this centralised dashboard, anytime and anywhere. Use real-time data widgets such as end user consumption by load types, budgeting, rankings or sustainability KPIs. Easily calculate energy savings or track Green Building KPIs such as EEI/ EUI in real-time.

Chilled Water Management for Optimisation of Chiller Plant

Use Machine Learning and Data Analytics to turn your chiller plants into a smart and adaptive one so that adjustments can be made constantly to operating setpoints based on weather conditions, occupancy count or other real-time parameters. Continuously commission chiller plants with real-time performance data, track Green Building KPIs such as kW/Rt or COP. Use powerful trend charts to correlate the data of chiller plant measures for actionable insights that drive value.

Alerts Module for Powerful and Flexible User Driven Alerts Creation

Set multi-condition alerts via powerful, flexible and intuitive “if-then-else” conditions, turn On/Off devices automatically based on pre-set threshold parameters or warning sirens. Trigger notifications to multiple parties instantaneously via emails and/or SMS. Log these alerts so that you may review all historical data to provide an audit trail for ease of security and compliance.

Reporting Module for Automated Report Generation and Sending

Reporting templates can be developed easily through a WYSIWYG editor, parameterised and customisable to help you filter the data to get only what you need. Create reports in every available format for all use cases, and easily automate and schedule the creation and delivery of reports to end users or customers via email or URL links. Standard templates include Invoice, Utility Usage Summary, Water Efficiency Report, Tenant Billing Report, Operating System Efficiency (OSE) Report.

Drive Sustainability Through Energetix™ Energy Management



Centralised Management

Manage multiple location sites or multiple sites in one location from a centralised point of management.



Modular & Scalable

Start with a single site and scale up to multiple sites across geographical regions. Flexible and robust solution.



Reduce Energy Costs

Realise up to 20% energy savings with energy efficient infrastructure and intelligent data analytics.



Improve Productivity

Improve employee and team productivity via easy-to-use and accessible applications on mobile, web or dashboards that provide different user groups relevant and timely information, all at once.



Open Platform

Select and choose from a wide range of supported devices and equipment and have them seamlessly integrated via an open-standard and interoperable platform.



Leverage Data Analytics, Machine Learning & Artificial Intelligence

Gain strategic insights on your building asset operations and enhance them with data analytics, AI and ML. Integrate multiple data sources, measure the right metrics, and use clear visualisations to drive operational success for your data centres.

Flexible and Modular Solution

Energetix™ is an industry highly scalable and open IoT platform for facility, operations, energy and sustainability professionals. Its flexibility and modularity allows businesses to deploy a lighting only module or go with a suite of energy management applications that ranges from power to water to ACMV management, depending on facility requirements.

With a complete suite of Energetix™ IoT Applications, Green Concepts helps make management simple.

Contact us to discover how our Energetix™ IoT applications provide a cost effective and efficient solution for your properties and assets.

green **koncepts**

Green Concepts Pte Ltd
750C Chai Chee Road #03-15,
Viva Business Park
Singapore 469003
T: +65 6245 9332
F: +65 6245 9319
E: info@greenkoncepts.com