



Driving Sustainability through Intelligent Lighting

The Internet of Things (IoT) has given rise to many possibilities and benefits for smart lighting systems, unlocking the power of the IoT and smart building applications.

Energy and Operational Savings

Reduces energy costs by as much as 90 percent in industrial installations, offices and buildings where occupancy level is inconsistent.


User Personalisation and Data Analytics


While providing the flexibility to meet user personalisation needs, data analytics on lighting usage and user behaviour give insights to further optimise lighting operations and drive energy efficiency.


Energetix™ Lighting Management


Energetix™ Lighting Management is a smart lighting management solution that uses IoT to enable lighting optimisation based on occupancy and light levels and provide remote lighting control for offices, buildings and street lightings to enhance productivity.

Delivered over the cloud, Energetix™ lighting Management Solution lets you securely control your facility lighting from any web-enabled device, anywhere in the world. Be it controlling your street lighting or managing indoor lighting luminaires for buildings or offices, you can integrate any new or existing devices through our open and interoperable platform.

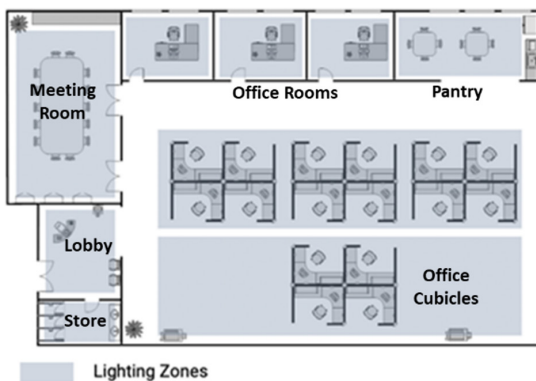
 **Intelligent Sensing**
Sense occupancy and lighting levels to enable smart and dynamic lighting optimisation.

 **Powerful Management**
Pinpoint in real-time the location of trips and blown bulbs and automatically alert staff immediately for quick remedial action. Boost light levels to improve safety and visibility as the situation demands, or reduce the light levels to save energy.

 **Smart Analytics**
Use analytics to maximise service levels and staff productivity. Receive automatic and in-depth status and fault reporting, as well as insightful data on energy usage to help you optimise your entire lighting infrastructure.

 **Flexible Deployment**
Available in circuit-based and switch-based control deployment. Circuit-based control is cost-effective as all installations are done at the electrical distribution box. Switch-based control provides you the convenience to reuse and retrofit existing switch wirings at minimal disruptions to business activities.

Key Features

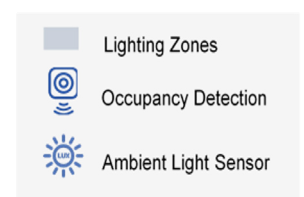
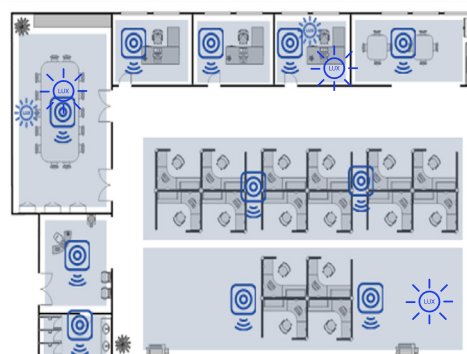


Intelligent Sensing & Scheduling

Set and automate lighting schedules in response to lux levels and motion sensors at pre-determined times for effective lighting management, without compromising safety.

Zonal Controls

Create and operate multiple zones depending on occupancy status to reduce energy consumption. Improve energy efficiency through optimised energy consumption of each individual zone.



Intelligent Mode Settings



Pantry, printing rooms & gyms

Schedule your lighting based on your normal business hours. Automatically turns on the lighting when occupancy is detected during off-schedule operations.



Meeting rooms & auditoriums

Turns on or off zones based on the occupancy or vacancy status of the area during the designated period.



Office spaces, stairways & walkways near to windows

Turns off or dim zones when the area is bright via pre-set ambient light thresholds.



Storerooms & less frequented areas

Turns on or off zones based on occupancy or vacancy status only.



Reception area, office and public area spaces

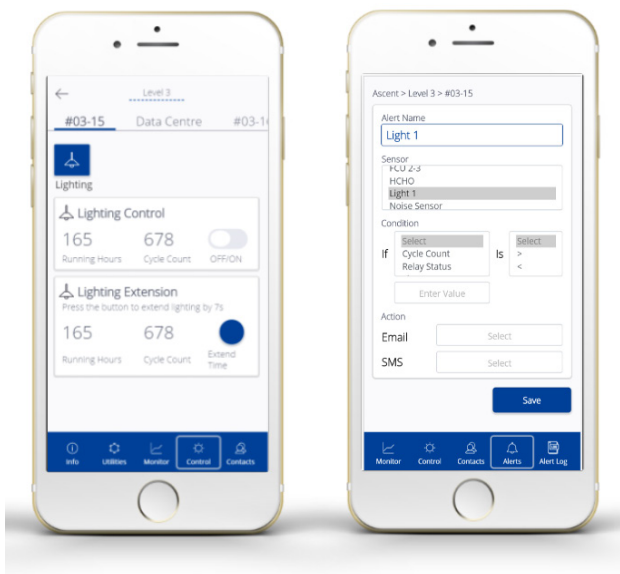
Supports multiple turn on/turn off periods such as during office hours, lunch hours and after office hours.



Street lightings

Automatically turns on zones where ambient lighting is low and turns off zones where ambient lighting reaches a pre-set threshold.

Key Features



Real-time Statistics & Monitoring

Retrieve up to the minute real-time readings of data including energy usage, burning hours and device lifetime. Set user configurable alerts and receive alert notifications via email or SMS. Minimise operational downtime with faster and more accurate fault diagnosis.

Comprehensive Asset Management

Track and stay on top of your assets, anytime, anywhere. Know where they are located, how long they have been used and be automatically notified when maintenance is due. Document lamp, driver, controller, luminaire, sensor and controller asset details to manage repairs better and optimise the efficiency of all lighting-related workflows.

Personalised Settings & Scene Controls

Set and save different lighting scenes, schedules or settings based on individual or area preferences. Conveniently change pre-set preferences from the application directly, without the need for hardware adjustments.

Cost-effective, simple deployment



Reduce Energy Costs

Reduce energy usage and realise 15% to 50% lighting energy savings with on-demand lighting. Most effective in less frequently used areas.



Fast ROI

Cost effective and easy to install. No expensive hardware or extensive modification is required, as it integrates seamlessly with existing lighting infrastructure.



Centralised Management

Simplify your facility operations. Access the configuration and lighting dashboard through a single web or mobile application and manage all lightings centrally.



Data Analytics

Gather insights about energy savings, lighting performance, operating hours, zone usage patterns and more.



Intelligent Modes

6 intelligent modes to cater to various lighting scenarios and user settings, easily configurable to meet the varying demands of different zones.



Simple Installation

Hassle-free, quick and simple installation. Minimal disruption to business activities as all installation work is performed at electrical distribution box.



Fault Management

Improve productivity and operational workflows by automatically triggering timely notifications for remedial action when faults are detected.

Flexible and Modular Solution

Energetix™ is an industry highly scalable and open IoT platform for facility, operations, energy and sustainability professionals. Its high 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