ECOSPARKS
illuminating the Future

Cloud

Daylight
Sensor
50%

Daylight
Sensor
20%

Motion
Sensor

Zigbee
Smart
Gateway

Driving Ambient

Enhancing Technologies with Ecosparks Smart Lighting Zigbee Solution

An office is a building or a room that is used for desk-based business purposes. As nowadays employee spends an equal amount of time or more than he or she spends at home. Therefore, good lighting in offices play an important role to provide the same kind of amount that they feel at home.

With Ecosparks Smart Lighting Zigbee Solution, the office becomes an inspiring space that is able to stimulate people's mood, behaviour and energy level.

Ecosparks smart Zigbee solution uses sensor and software to control office lighting, reduce energy use and improve worker productivity. With the sensors, user can monitor the energy usage, temperature and brightness in a room. Besides, user can adjust the brightness of the light of each cubicle and automatically lower down or cut off the amount of electricity going to the lights at different times of the days.

Lastly, our system uses smoke detector to detect the aerosol type of smoked products. Alert notification will be sent out to mobile apps when smoke is detected.

SOLUTION BENEFITS

Wireless Lighting Control
Zigbee M Smarter system create wireless lighting network, controlled by App or web interface, gives lighting management capabilities through wireless communication between luminaires and sensors.

Easy Configuration
Flexible system allows individual fixtures configuration or lighting zones control according to changes in schedules and time of day.

Predictive Maintenance & Error feedback
Real-time monitoring the lighting condition at your fingertips. Predictive maintenance and error feedback for luminaires and sensors.

Minimize Energy Consumption
By operating your lighting where it is needed – rather than at 100% brightness constantly – you are minimizing energy consumption, extending lighting lifecycles and lowering maintenance costs.

Suitable for New Builds or Retrofits
Zigbee M Smarter system is universal, and retrofitable. Upgrade conventional lighting to a fully controllable LED scheme with new wireless-enabled luminaires.

Smart Features

Motion Detection
Lights up to pre-set level when detect movement and dim to 30% when there is no movement.

Group Lighting
Create Lighting zone, or 'group' which are controlled in sync with each other

Notification Alert
App's push notification will be pop out to enhance the security system

Smoke Detection
Alert notification will be sent out to dashboard or mobile apps when smoke is detected.

Fault Detection
Real-time error feedback and predictive maintenance notification for luminaire and sensor

Energy Monitoring
Reports real-time energy usage based on the power consumption of all connected lighting

Sensors
Allow us to pair with different zigbee sensors e.g. door sensor, temp & humidity sensor.

Proxy Switch
Utilize back conventional sensor with patented proxy switch.