BILLION®

InLight ™

Intelligent Indoor Lighting Control Solution

The Perfect Lighting for Your Business

Smart Control has become the future of LED lighting

Incorporating communication between various system inputs and outputs related to lighting control with the use of one or more central computing devices, we create InLight™, an innovative Smart Indoor Lighting Solution that caters to all commercial and industrial indoor lighting scenarios to generate exceptional energy saving results. From warehouses, factories, offices, hotel rooms, stadiums to public places, InLight™ leverages IoT technology to improve the overall indoor lighting experience and power efficiency.
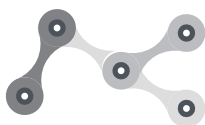
Aesthetic, Human Centre Smart Lighting

Auto switching on/off based on user behaviors elevates the lighting experience to a whole new level. Through the automatic adjustment of LED luminance based on occupancy and daylight availabilities, InLight™ can effortlessly achieve incredible lighting performance while largely minimizing energy wastages through sensory dimming.

Visualize LED Energy Saving Result with Less Than 1 Year ROI

InLight™ is a revolutionary lighting control innovation integrating advanced metering technologies to help you accurately audit and monitor every bit of energy saving before and after the lighting fixture retrofit. With the aid of our solution, we can keep track with fixture lifetime and prevent any lighting outages to create a sustainable environment ultimately.

Add a Zigbee IoT Ecosystem to Empower Your Smart Lighting Control

InLight™ is not only a Smart Lighting Control - we are bringing a comprehensive, scalable IoT ecosystem to your properties. Reciprocating a variety of communication protocols, including Ethernet, RS485, Zigbee, PLC, 3G/4G LTE, Wireless and IP based API, we further combine lighting with a variety of environmental sensors and appliances; ranging from Smart Energy Management, automatic HVAC control to Smart Door-Lock, we enable the next generation of total control and operational management over your valuable property assets.
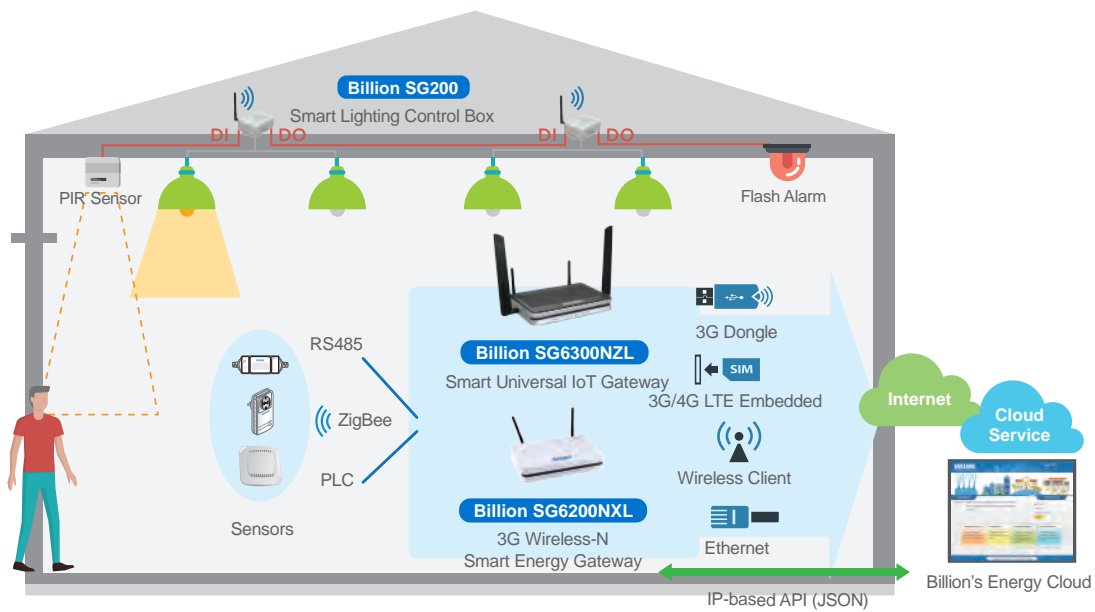
Create Exceptional Lighting Control – even without an Internet network!

Indoor lighting control technologies are being diversified in an interesting dynamic; ranging from DALI, Zigbee, Li-Fi, iBeacon, Thread and Wi-Fi, each of the technologies has its unique advantages and value-added functionalities. However, InLight™ is the only solution to enable real-time control without an Internet network. Once the initial settings, including operation schedules, intervals, link actions, have been configured, the administrator can simply disconnect the gateway, and everything will run smoothly without service interruption.
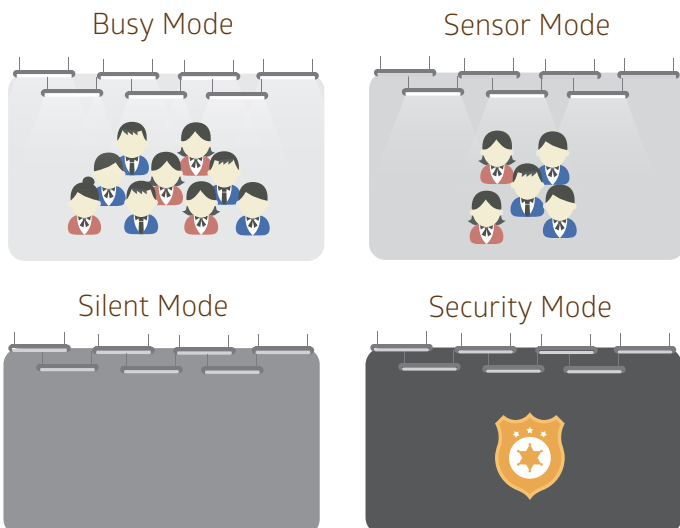
InLight Ecosystem

Collaborating the front end environmental sensors, lighting control box, smart energy meter, smart gateway, and control APP, InLight™ is a scalable, extensive lighting control solution that can cater to all indoor lighting scenarios, including home, offices, hotel rooms, stadiums, and public places. Supporting the standard ZigBee HA protocols and wired DI/DO communication, InLight™ eases the installation and can work with standard 1-10V dimming output to offer a flawless integration with different types LED drivers.

Billion SG200
Smart Lighting Control Box
DI | DO | DI | DO
PIR Sensor
Flash Alarm
RS485
ZigBee
PLC
Sensors
3G Dongle
Billion SG6300NZL
Smart Universal IoT Gateway
SIM
3G/4G LTE Embedded
Wireless Client
Billion SG6200NXL
3G Wireless-N
Smart Energy Gateway
Ethernet
IP-based API (JSON)
Internet
Cloud Service
Billion's Energy Cloud

Keep the utmost user simplicity that grows with your diverse mode settings

We provide a convenient platform for you to monitor and command a series of dimming instructions at only one fingertip away. System can detect the number of people in space and brightness and automatically switch into four operating modes: Busy, Sensor, Silent and Security modes. Users can also pre-schedule for mode change at specific timing to cope with various environments.

Busy Mode

Sensor Mode

Silent Mode

Security Mode

- Instant Grouping to manage multiple lights
- Notify and pinpoint locations of lighting outages
- Easy grouping messages many lights instantly
- System independent and standalone remote lighting control
- Smart Sensor Light with Security management & Advanced scheduling
- Auto lux compensation to reach assigned level
- System on/off by GPS

Billion InLight App

We combine local and remote control into a fully automatically lighting system. While utilizing Billion InLight™ App, administrators can access temperature/ Humidity data reports, review real-time energy consumption of each LED light and switch on/off lights. The embedded GPS will calculate administrators' location and automatically turn on/off the system mode based on the GPS positioning setting.

Billion SG6300NZL

Smart Universal IoT Gateway

- Fully IEEE 802.15.4 and ZigBee PRO compliant
- Build-in RS485 for communicates to RS485 end devices.
- Build-in 3G/4G LTE module for 3G/4G LTE connection.
- Dual WAN – broadband and 3G/4G connections
- Auto fail-over between broadband and 3G/4G LTE interfaces for always-on connection
- Supports wireless AP mode and client mode
- 1 x USB 2.0 Host port for USB storage
- Support internal storage for history data log.
- Support Real Time Clock (RTC).
- Compliant with ZigBee HAN (Home Automation Profile)
- Provides Billion's API for vendors to develop their App and cloud service

Billion SG200

Smart Lighting Control Box

- IEEE 802.15.4 and ZigBee PRO compliant
- Compliant with ZigBee HAN (Home Automation Profile)
- 4 channel DC 0~10V dimming control
- Relay for lighting on/off control
- DI/DO for value-added applications
- Provides API for system integrator to develop their App and cloud service

Billion SG3015

15A ~ 300A ZigBee Smart Energy Meter Series

- Fully IEEE 802.15.4 and ZigBee PRO compliant
- Electricity usage data and other indicator information collection
- < 0.5% Wh accuracy
- Power surge protection
- Compact size
- Four connector types: T1, T2, T3, T4

Billion SG6200NXL

3G Wireless-N Smart Energy Gateway

- Fully IEEE 802.15.4 and ZigBee PRO compliant
- Dual WAN – broadband and 3G connections
- 802.11n wireless AP and client mode, up to 300 Mbps data rate
- Wireless bridge to connect with existing wireless gateway
- Supports multiple SSIDs
- Auto fail-over for always-on connection
- Certified with ZigBee Smart Energy Profile
- Compliant with ZigBee Home Automation Profile
- Provides API for vendors to develop their App and cloud services

ZigBee Certified

Billion SG100T

PIR Motion Sensor

- Simple and light weight design
- Ultra slim; easy to install
- Pet-proove design
- Whole body made in Taiwan
- 1 year warranty

Billion SG600

ZigBee Smart Energy Wireless-N Bridge

- Fully IEEE 802.15.4 and ZigBee PRO compliant
- 802.11n wireless AP and client mode, up to 150 Mbps data rate
- 64/128 bits WEP supported for encryption
- WPS for easy setup
- Wireless security with WPA-PSK/WPA2-PSK
- WDS repeater function
- Wireless bridge for connecting to existing wireless gateway
- Provides API for vendors to develop their App and cloud services

Over 40 Years of Proven Track Record in Communication, Power & Energy Management

Serving clients from across the globe:
Australia - Taiwan - China - Japan- Singapore - Indonesia - Thailand - Malaysia - South America - South Africa - Middle East - India - Slovakia - Poland - Italy - Scandinavia - United States - United Kingdom and many others!

A Trustworthy Team

Our professionals are committed to offering comprehensive technical supports that are essential to building an exceptional Smart Indoor Lighting Control System. From planning to validation, we obtain a strong base of R&D team who will guide you through the implementation phrases and provide customizable, attentive services specially designed for your case. Over our corporation, we ensure the greatest return on your valuable investment and bring the best energy saving outcome to the city where you are located.

The Expert in Lighting and Energy Management

Based on the amount of power consumption you would like to reduce, we can draw a customizable lighting roadmap that recommends the suitable operations for your groups of LED lights to adequately separate peak time demands. You can further schedule automatic lighting on/off and dimming based on system diagnosis to avoid any potential energy wastages.

Reliable Solution Partner with Global Customer Service Experience

We compare the energy saving results before and after the LED lights and InLight™ implementation to accurately track your energy saving performance and measure the ROI result of LED lights replacement. Providing a flexible integration with any existing BMS and EMS, Billion InLight™ is the ultimate safeguard of your properties and the reliable solution to improve the overall system productivity.

About BILLION

Billion Electric Co., Ltd. (www.billion.com, Taiex: 3027, trading as Billion) is the leading global information and communication technology (ICT) solutions provider. We enhance life and communication efficiency through a better-connected world, acting as a responsible corporate citizen, an innovative enabler for the information society, and a collaborative contributor to the industry. Billion's over 900 employees worldwide are committed to creating the optimal value for telecom operators and determined to pursue the position of industry vanguard by providing our current and future customers the highest quality of technology outputs.

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Power

Ranging from transformers, in-home and in-building broadband power-line accesses, adapters to switches, Billion presents its solid expertise in the manufacturing of a variety of AC/DC switching power supply equipments for worldwide clients.

LED Drivers l Smart Lighting

To create an extraordinary lighting experience, Billion provides a rich selection of outdoor and indoor LED drivers both purposed for high-efficiency and high-performance, as well as integrates cloud monitoring technology to build a comprehensive indoor and streetlight control management system.

Communication

Billion also has a strong R&D team dedicated to the development of a complete portfolio of advanced network communication products, including Fiber, xDSL, Cable, 3G, 4G LTE, and M2M broadband networking CPE.

Smart Energy l Smart Grid

Bridging the in-depth knowledge of power and network communication, Billion builds sustainable energy saving solutions to help industrial, commercial, and residential users in reducing utility overhead while maximizing asset management.