Smart Lighting Solutions

Warehouse Solutions

Adding a Lighting Controls System to your LED Lighting project creates additonal savings annually and provides added benefits for your facility.

Inventory Tracking

Information gathered from Bluetooth tags and the sensor grid can be used to study equipment movement, storage and staging of asset inventorty allowing for optimization of inventory management.

Occupancy & Space Utilization Analytics

Historical occupancy data can analyze the space utilization data to help create actionable plans to improve facility management and decrease operating expenses.

Real-Time Location Services

Combining the sensor grid with Bluetooth tags allows for tracking assets, visitors and people of interest in real time to enhance many aspects of a facility's business operations and security.

Demand Control Ventilation

Energy savings from the occupancy sensors in each room are analyzed and the resulting data is integrated into the facilities EMS to optimize the HVAC system preventing wasteful HVAC use.

Environmental Monitoring

The integration of temperature, relative humidity, or CO sensor data into the HVAC system can help maintain targeted environmental values throughout the facility.

Best in Class Hardware

FSG is able to provide world-class, turnkey lighting controls services with competitive pricing due to strong partnerships and vendor relationships forged over years of cooperation. Trusted hardware vendors include, but are not limited to:

enlighted   CRESTRON   WattStopper Legrand   EATON   RAB

SIEMENS   DIGITAL LUMENS   DaintreeNetworks   AcuityBrands.   LUTRON

Signify   GE current   LEVITON   OSRAM

Types of Lighting Controls Solutions

FSG Smart Buildings is able to handle any type of lighting controls system architecture. Whether you need control at the main panel or something as finite as fixture-level control, FSG can design and deploy solutions to your exact specifications.

Panel-Based Control

- Control all lighting in a large area with a single schedule or sensor
- Wired at the main panel circuit

Zone Control

- Each defined zone has its own own controller
- Can be wired or wireless
- Panel feeds controller which feed fixtures in each zone

Fixture Based Control

- Wireless nodes installed at each fixture
- Each fixture has a mini sensor
- Usually software based

PoE (Power over Ethernet)

- Lighting connected by ethernet cables for low voltage power and data transmission

Chariot

A Smart Platform for Smart Lighting

Designed with multi-site businesses in mind, Chariot provides a friendly and adaptive UI from which you can monitor and control your lighting alongside your other energy management and automation systems. Capable of tying together many mixed and legacy systems, Chariot can also monitor the energy usage of your lighting and other types of fixtures.

If corporate compliance mandates that you use a specific hardware, FSG can install and commission your system on the UI of your choice.

FSG Smart Buildings

Contact us today to speak with an expert.

fsgsmartbuildings.com | (512) 835-6120