SYNAPSE

SimplySnap for Factories and Manufacturing Applications

OVERVIEW

Lighting controls for large factories and other manufacturing applications can be challenging. Each company is unique, and different locations within the buildings have different needs depending on the process or work that takes place there. With many of these locations there are also multiple work shifts and workers in different areas of the buildings at different times each week.

Keeping a safe work environment and maintaining productive operations are high priorities, but having the lights on when they are not needed has a direct impact the bottom line.

The SimplySnap wireless control solution is built with the scale, features, and range required for these larger spaces. It is flexible enough to meet the demands of very large and complex applications, yet it remains simple to use.

SOLUTION HIGHLIGHTS

Synapse wireless mesh technology is field proven to overcome the challenges and meet the diverse needs in these large indoor structures. Our intelligent lighting control solutions help you:
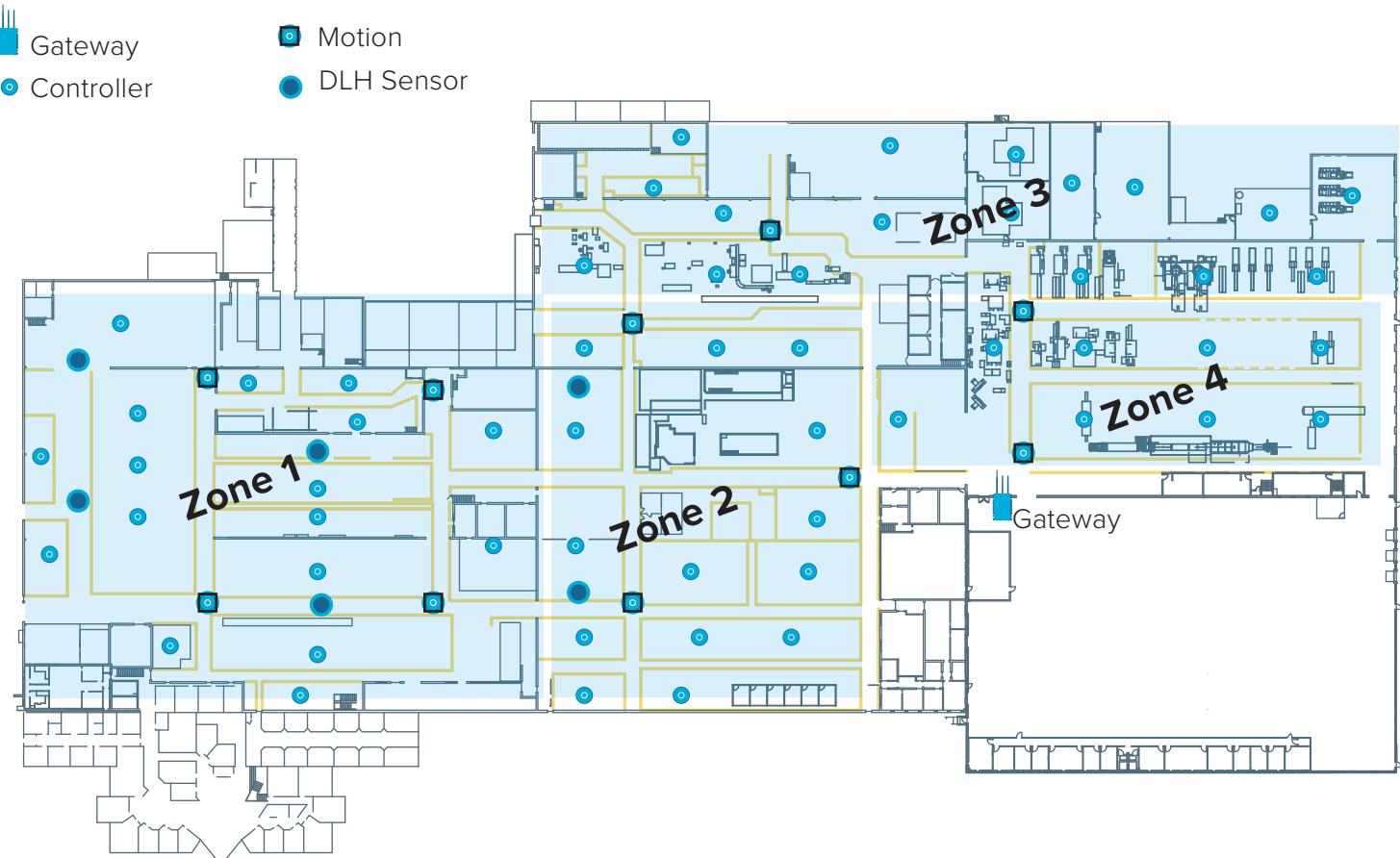
- Provide safe and productive workspaces
- Control specific groups of lights directly from wall switches or a browser
- Create schedules to match operations and reduce waste
- Utilize daylight harvesting to save energy
- Generate power consumption reports for utility rebates
- Create a foundation for future Industrial IoT applications

SYSTEM FEATURES

- System can be organized and managed in easy-to-understand zones, supporting active manufacturing areas as needed and shutting down inactive ones to increase energy savings.
- Tune lighting to specific factory tasks for maximum efficiency and safety by creating zones based on manufacturing lines, walkways, and storage areas.
- Integrate with existing BMS systems through BACnet or MODBUS protocols to integrate the lighting system with other systems for further productivity and cost-savings enhancements.
- Manage lighting zones in three ways: calendar, simple local controls (i.e. switches), or sensor-driven (reacting to light and/or motion), truly optimizing critical lighting around the entire facility.
- Manage high bay indoor lighting systems and outdoor lighting from the same control system including parking lots, garages, pathways, and other site and area lights.
- Multi-site management options for customers with multiple users and locations.

SYNAPSE

Gateway

Controller

Motion

DLH Sensor

Zone 1

Zone 2

Zone 3

Zone 4

Gateway

REQUIRED COMPONENTS

Product Number	Description
Each Fixture will need one of the following options:	
DIM10-Series Controller	Synapse External Smart Lighting Controller
Synapse-enabled Fixture*	Lighting Fixture that includes an embedded Synapse controller
For Each Site	
Site Controller/Gateway	SimplySnap SS450 or Central Base Station
Commissioning Service	On-site or remote commissioning services performed by Synapse Certified Commissioning Agent
Hardware and Software Options	
Hardware Accessories	Synapse Wall switches and Supported Daylight Harvesting Photocell and Motion sensors
Cloud Software Applications	SimplySnap cloud application provides a single user interface across multiple gateways and detailed energy monitoring and reporting

 * For a list of Synapse enabled Fixtures please contact your local sales representative.   If you don't choose a Synapse-enabled fixture, then a DIM10-series or TL Series controller is required.