



### OVERVIEW

Large warehouses and distribution centers are critical to daily operations for all types of businesses. Getting the correct amount of light in all the right places throughout these large buildings requires striking a delicate balance between quality, safety, and energy savings.

Mistakes happen and quality suffers when there is not enough light to see details or read work orders correctly. It can also be unsafe if lights are dimmed too low or turned off in these busy environments. The difficult part for most companies is trying to save energy without introducing quality or safety problems.

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:

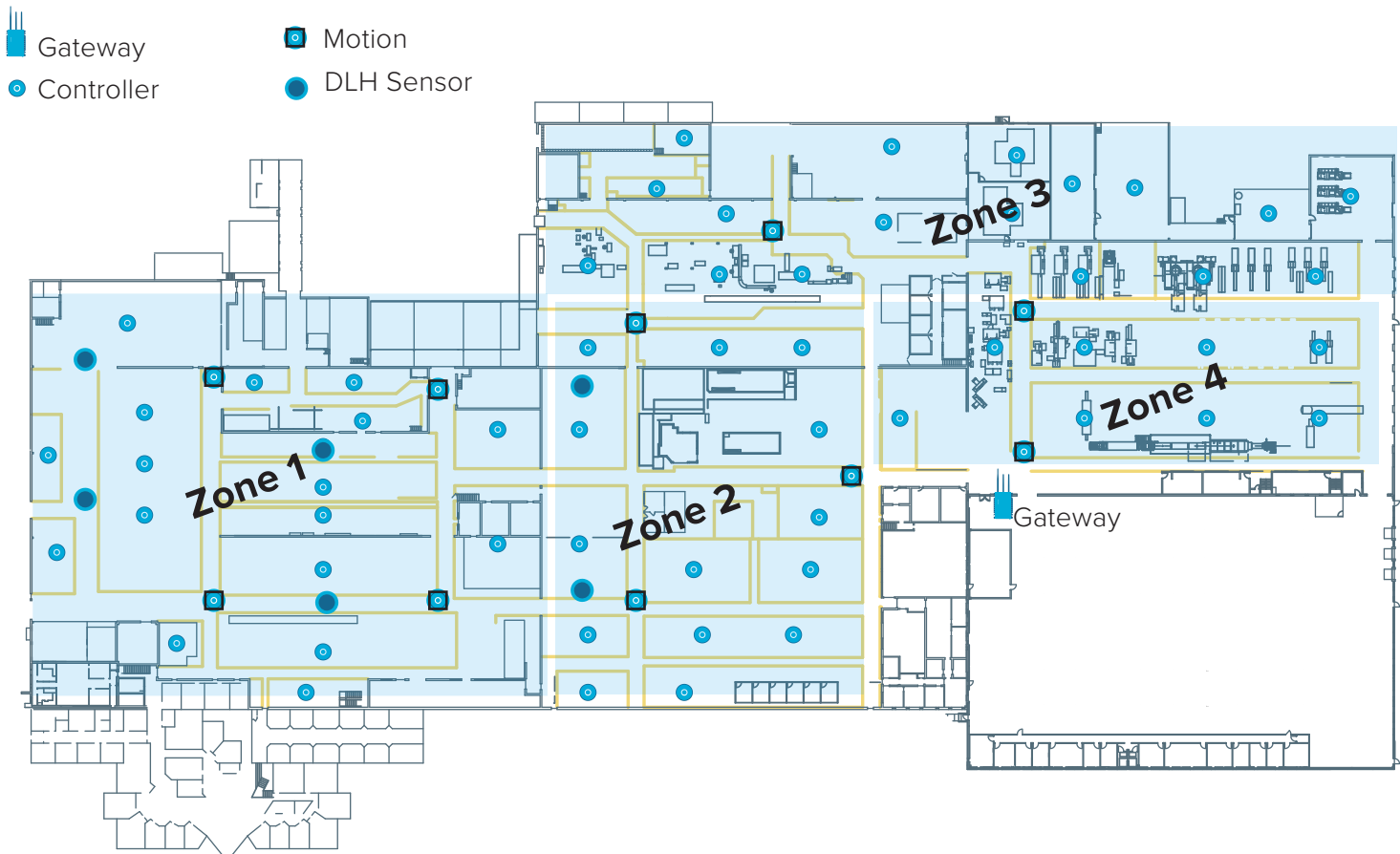
- Provide safe and productive workspaces
- Use fewer occupancy sensors across larger spaces
- Utilize daylight harvesting to save energy
- Generate power consumption reports for utility rebates
- Create a foundation for future Industrial IoT applications

### SYSTEM FEATURES

- 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.
- Tune lighting to specific factory tasks for maximum efficiency and safety by creating zones based on manufacturing lines, walkways, and storage areas.
- 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.
- 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.
- 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.



## EXAMPLE SYSTEM



## REQUIRED COMPONENTS

Product Number	Description
<b>Each Fixture will need one of the following options:</b>	
DIM10-Series Controller	Synapse External Smart Lighting Controller
Synapse-enabled Fixture*	Lighting Fixture that includes an embedded Synapse controller
<b>For Each Site</b>	
Site Controller/Gateway	SimplySnap SS450 or Central Base Station
Commissioning Service	On-site or remote commissioning services performed by Synapse Certified Commissioning Agent
<b>Hardware and Software Options</b>	
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.