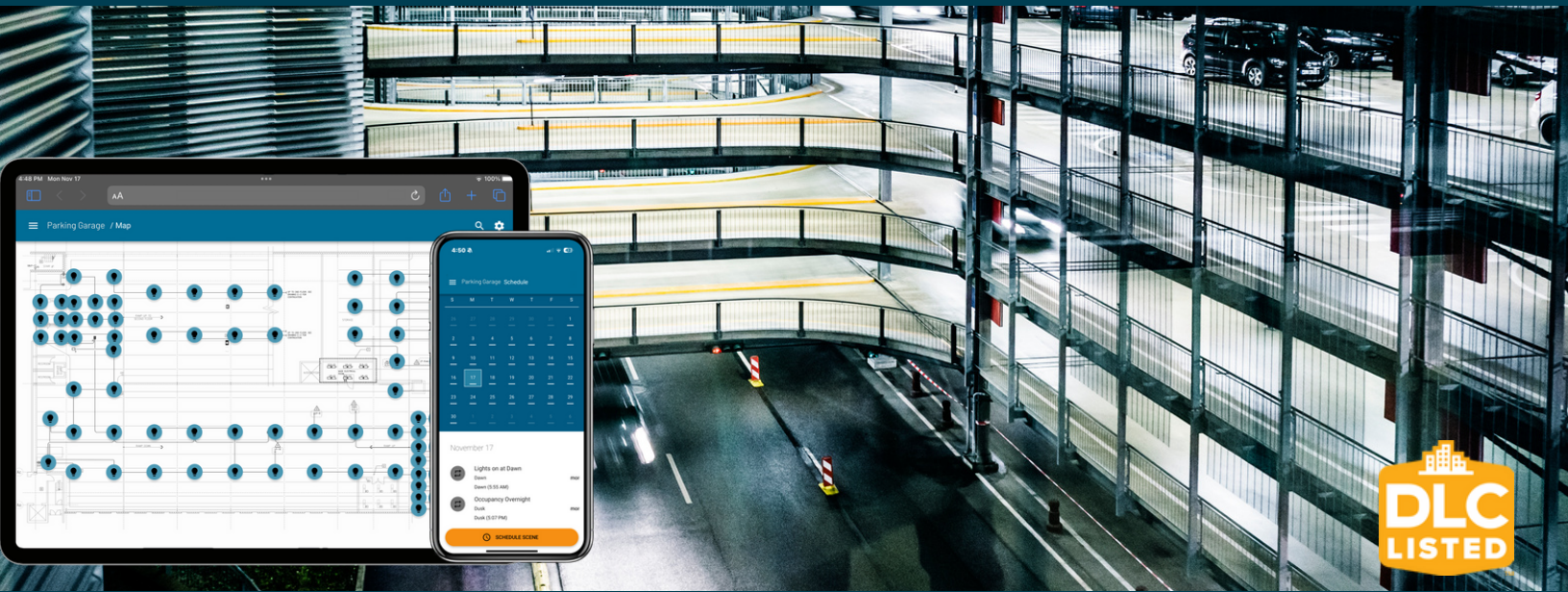




SOLUTION OVERVIEW

Optimize Safety. Simplify Maintenance

Parking garages are harsh, RF-challenged environments, and SimplySnap's industrial-grade wireless mesh delivers the proven reliability needed to perform in those conditions. The system simplifies compliance with parking-garage energy codes by making it easy to create zones around ramps, drive aisles, entrances/exits, stairwells, and levels. When a vehicle enters a zone, lights ahead automatically brighten to their programmed occupancy level, with dim levels and timeouts that can shift throughout the day using schedules.

SimplySnap also eliminates the complexity of hardwired emergency overrides by enabling wireless activation that forces lights ON and bypasses motion sensors during emergency power events. For maintenance and operational safety, the platform provides proactive diagnostics to detect fixture failures, driver issues, or power loss to groups of lights. Integrations with BACnet, Modbus, and Lutron Athena allow garages to unify lighting with broader building systems. With support for more devices than any other wireless solution—and fast, responsive control—SimplySnap gives operators reliable visibility, scalability, and full compliance they're looking for.



Occupancy &
Daylight Sensing



BMS Integration



Scheduling



High End Trim



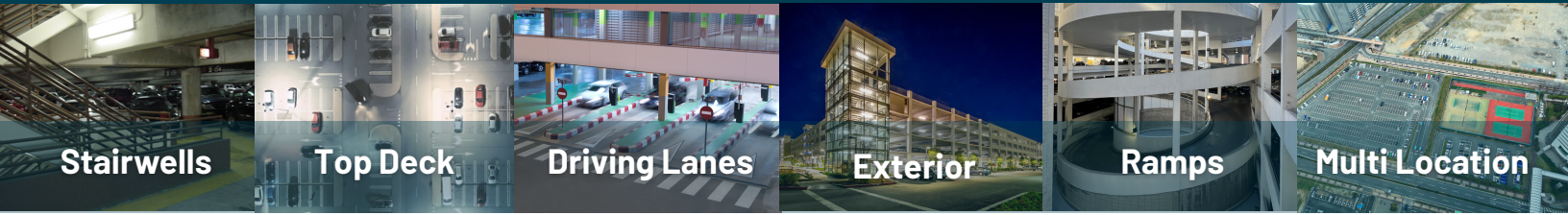
Zones

SOLUTION HIGHLIGHTS

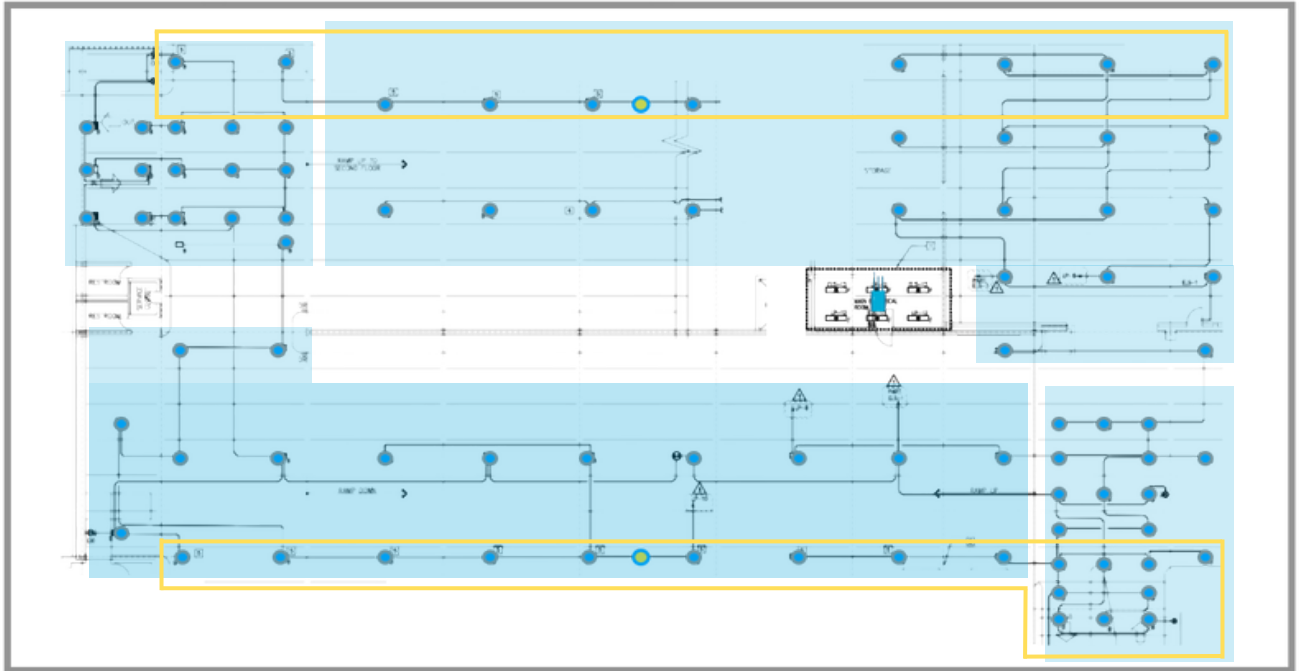
Simplify Energy Code Compliance with Wireless Lighting Controls

- **Industrial Grade Wireless:** Engineered for garages—high reliability in tough RF conditions with proven long-term field performance.
- **Flexible Zoning:** Easily group lights around ramps, drive aisles, sidelit zones, entry/exit points, and entire levels to meet ASHRAE/IECC parking garage requirements.
- **Adaptive Occupancy Response:** Provides adaptive occupancy response by automatically brightening the next zone when motion is detected, with adjustable dim levels, adjustable timeouts, and behavior that can change by time-of-day through scheduling.
- **Daylight Harvesting:** Maintain safe light levels while also meeting energy codes with advanced daylight harvesting features.
- **Emergency System Integration:** Disable motion sensors and bring lights to full ON during emergencies—no dedicated fixture-based override wiring required.
- **Compliance:** Meets all major parking garage energy code requirements, including occupancy, zoning, daylighting, and scheduling.
- **Scalable Platform:** Controls interior, exterior and across multi-site locations on one platform.
- **BACnet & Modbus:** Integrate with the facility's BMS through BACNET or MODBUS so lighting can be managed alongside HVAC, ventilation, energy metering, and other building systems.

SYSTEM EXAMPLE



- Sensor Controller
- Site Controller
- Daylight Sensor
- Control Zone
- Daylight Zone



SYSTEM COMPONENTS

1. **Site Controllers (SS 450 & CBS):** Local control hub that handles lights, zones, scenes, and schedules. They can be accessed over the customer's LAN or connected to SimplySnap Cloud, and support Wi-Fi, Ethernet, or optional cellular connectivity for flexible network deployment.
2. **Fixture-Level Controls (Embedded & Bolt-on):** In-fixture and external wireless controllers using universal interfaces like 0–10V and DALI-2/D4i. Compatible with fixtures from major OEMs, they provide smart dimming, sensing, and reporting for new installations or retrofits.
3. **Group Controllers (DIM10-220):** A compact 0–10V controller designed for grouped control of fixtures in areas like stairwells, elevator lobbies, or other spaces where centralized behavior is required.
4. **Wireless Switches (WSW-02/08):** Two- and eight-button wireless wall switches for manual control and local override of lighting zones.
5. **BMS Gateway:** Integration module allowing SimplySnap lighting to connect with building management systems, enabling unified oversight and control of lighting, HVAC, and energy systems.
6. **Emergency Integration Module (AIM-121):** Interface module that wirelessly activates lighting overrides during emergency power events, eliminating the need to run dedicated override wiring throughout the garage.
7. **SimplySnap Cloud:** Cloud-based management platform providing remote access, multi-site control, power reporting, automated email alerts, and centralized visibility for all connected facilities. For a complete list of SimplySnap Cloud features, see our [SimplySnap Cloud Solution Brief](#).
8. **Lutron Athena Integration License:** Software license that enables seamless interoperability between SimplySnap and Lutron Athena for a unified experience across interior and exterior lighting systems.



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