$1m-4m Uplift in Sales
It's Easy with Autani

Activate More Profit Through Optimized Facility Management

Wireless Building Management gives immediate results with energy savings, but that is just the beginning:

- Reduce operating costs, increase profits
- Keep critical equipment operating, selling, and reducing food waste
- Prepare for the future, realize bottom line results now
- Equivalent of increasing sales in the range of $1M to $4M per year

Let's breakdown how it results in $1m uplift in sales:

Every $1 of energy savings is the equivalent of $59 in additional sales.
Electrical costs of $4 per square foot per year.
Assuming 40,000 ft^2 = $160,000 per year in electrical costs
$16,000 x $59 = $1M in additional sales for a 10% reduction in energy cost

All achieved without sacrificing floorspace or shopper's experience. And with Autani it will be Easy to Install, Easy to Manage and Easy to Own.

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![Autani building controls logo]

Autani Facility Management

The Easy Way to Manage Your Operations and Your Budget

Autani's Energy Manger with EnergyCenter software provides a simple to use system that helps ensure that your critical equipment, building systems with associated energy saving control strategies are functioning properly.

Autani provides your Grocery Store's facility operations manager with an ability to create an inviting environment for your customers while minimizing operational risk and expenses. Expenses can be managed and reduced by implementing:

- Occupancy based electric load shedding

- Automatic peak load management to reduce utility ratchet charges or peak demand charges

- Institutional tuning to reduce over lighting the store or parking lot

- Daylighting strategies when skylights are available

- Temperature sensing of critical refrigeration equipment

- 365 Day, 24 hours per day system timeclock scheduling for lighting and HVAC systems

- Plug load control for vending machines, office areas, self-serving kiosk, etc.

- Predictive maintenance of critical equipment; scheduled vs. unscheduled

EnergyCenter
BY AUTANI

You can't manage what you can't measure.

The Autani system gives the facility or operations manager the system reporting to take corrective action and adjust as necessary.

Utility grade submetering has the potential to provide real electric cost data to determine the real ROI of a vending machine or refrigeration equipment.

The system is scalable and flexible work with different equipment manufacturers.

IT'S EASY WITH AUTANI

Agnostic and Compatible with multiple manufacturers with these technologies:

Bluetooth™   zigbee   Modbus   ASHRAE BACnet®

🇺🇸 DESIGNED & MADE IN USA

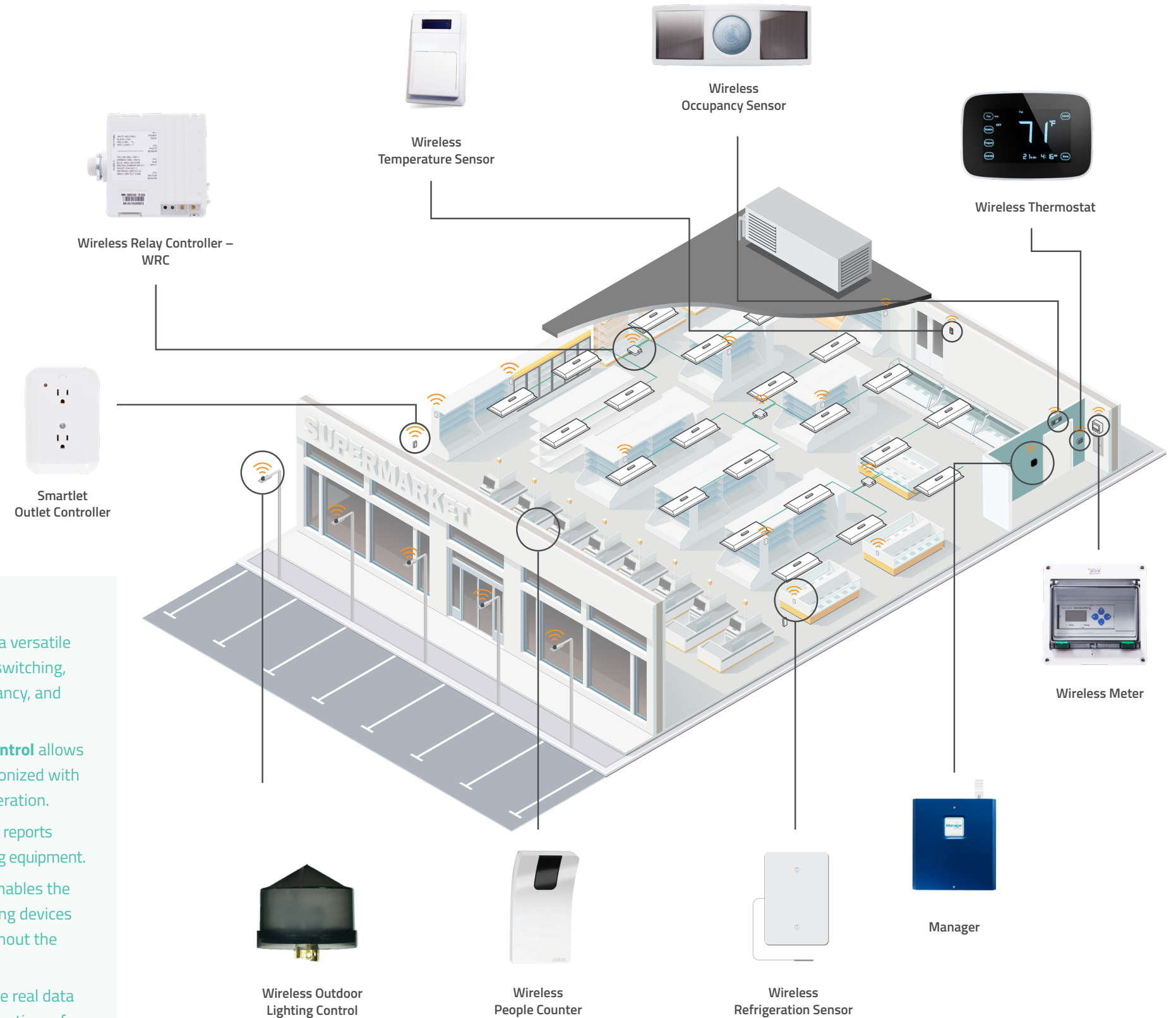![Autani building controls logo]

The Easy Way to a Smart Grocery Store

Autani's simple and versatile solutions make adding lighting and HVAC controls a snap, and you can remotely monitor and manage your facilities directly from the Autani EnergyCenter application.

Autani controls are designed to be retrofit into existing building footprints without requiring costly rewiring of lighting and HVAC controls. Environmental and occupancy sensors can be installed without the need to run any wiring at all.

The Autani solution offers an extensive set of monitoring sensors and tools, with integrated support for numerous third-party products. Facility managers can check for circuit and light failures, as well as monitor temperature, air quality, and the overall energy and space usage patterns within the facility. That's why tenants, owner-operators, and facility managers across the country say "It's Easy with Autani."

FEATURES & BENEFITS

1 The Autani **Manager** keeps the facility running efficiently, bringing together all of the wireless control devices under management.

2 An Autani **Wireless Meter** is a utility grade meter that can help you isolate your electrical consumption by circuit.

3 The Autani **Wireless Thermostat** provides managed thermal comfort.

4 **Wireless Occupancy Sensors** can help reduce electrical power consumption by turn off plug loads, dimming lights, or resetting temperatures, and log occupancy trends in your store.

5 **Wireless Temperature Sensors** provide better thermal comfort in large spaces controlled by a single thermostat.

6 The Autani **Wireless Relay Controller** is a versatile device that provides multiple circuits of switching, dimming and daylight harvesting, occupancy, and timeclock control.

7 The Autani **Wireless Outdoor Fixture Control** allows programmable scheduling that is synchronized with the rest of the grocery store's facility operation.

8 The Autani **Wireless Refrigeration Sensor** reports performance for critical revenue generating equipment.

9 The Autani **Smartlet Outlet Controller** enables the management of high electricity consuming devices that are plugged into receptacles throughout the entire store.

10 The **Wireless People Counter** can provide real data on how your store operates relative to the time of day to improve the customer experience.

Wireless Relay Controller – WRC

Smartlet Outlet Controller

Wireless Temperature Sensor

Wireless Occupancy Sensor

Wireless Thermostat

Wireless Meter

Wireless Outdoor Lighting Control

Wireless People Counter

Wireless Refrigeration Sensor

Manager

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WIRELESS INDOOR GENERAL LIGHTING CONTROL

Autani's Energy Manager with EnergyCenter software is a simple way to aggregate multiple lighting systems from multiple buildings from a central location. Autani can enable the grocery store facilities manager to maintain visual comfort for customers in the sales area, improve product evaluation, enable sales, and proactively manage electricity costs in a simple way. Autani can help you to:

- Meet lighting control best practices from ASHRAE's "Advanced Energy Design Guide for Grocery Stores"

- Reduce lighting spend in back-of-house spaces when not occupied

- Implement reduced dimming levels or bi-level switching to uniformly light the store, avoiding 'checkerboard' patterns, in large spaces during "off" hours

- Manage peak load demand charges from the electric company

- Implement daylighting harvesting when required by ASHRAE/IES Standard 90.1 (ASHRAE 2013a)

- Improve the performance and extend the life of your lighting system

ASHRAE's "Advanced Energy Design Guide for Grocery Stores", Published in 2015

Energy Center
BY AUTANI

- ✓ Scheduling automatic dimming or switching
- ✓ Occupancy based dimming or switching
- ✓ Peak load management
- ✓ Daylight harvesting
- ✓ Tuning
- ✓ Predictive lighting maintenance

WIRELESS REFRIGERATION SENSING

The Autani EnergyCenter is monitor the operation for critical refrigeration equipment that is utilized to drive sales and reduce the risk of spoilage. Wireless alerts can notify the facilities manager's when equipment setpoints are drifting out of tolerance or failing. Wireless sensors and probes can manage:

❄	🌡	💧	🛠
Freezer temperatures	Refrigerator / Cooling Case temperatures	Humidity (+/- 3% accuracy)	Predictive equipment maintenance

Wireless Monitors can alert you when any defined parameters are crossed allowing you to save on downtime and food wastage.

Keep critical equipment operating, selling, and reducing food waste.
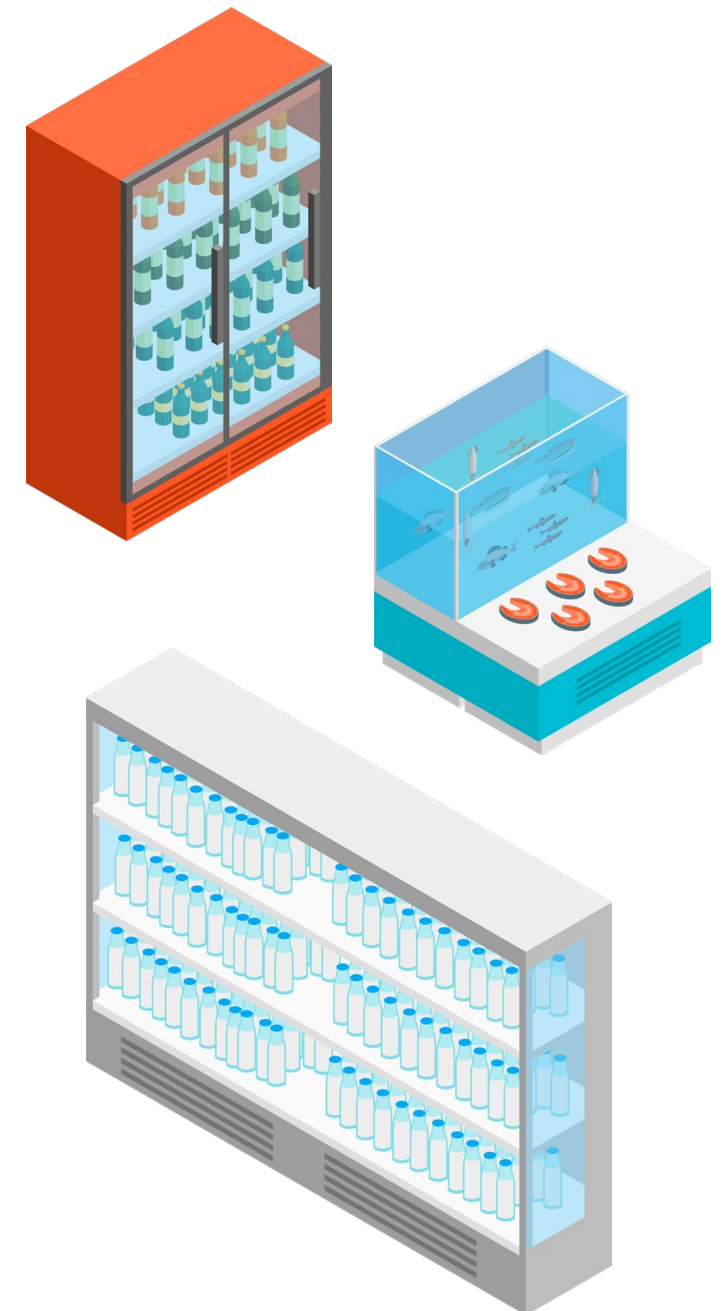
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WIRELESS PLUG LOAD CONTROL

Autani's Energy Manger with EnergyCenter software provides a simple way to help Grocery Store owners manage their energy expenses generated by vending machines, beverage machines, and many other electrical equipment and devices. ASHRAE's "Advanced Energy Design Guide for Grocery Stores" Plug Load Strategies can easily be implemented, including:

Vacancy Based Switching

Opening Hour Based Switching

Manual Switching

Autani's Smartlet Outlet Controller allows control and monitoring on all plug loads.

Since vending machines and beverages machines are typically owned and maintained by outside companies, while the grocery store pays for the electricity expense, Autani can help manage and track electricity consumption more these and many other electrical consuming equipment:

- Beverage refrigerators
- DVD Rental stations
- Vending machines
- Blood pressure monitors
- Coffee grinders / coffee makers
- Water purifiers / dispensers

WIRELESS HVAC CONTROL

Autani's Energy Manager with EnergyCenter software is a simple way to aggregate multiple HVAC systems from multiple buildings from a central location. Autani can enable the grocery store facilities manager to maintain comfort for customers in the sales area, manage utility expenses, and proactively manage equipment maintenance to manage costs.

Occupancy based temperature reset

Master timeclock scheduling

Peak load management to reduce demand charges

- Estimated energy savings is approximately 1% for each degree of thermostat adjustment per 8 hours
- Dirty air filters can increase energy consumption by 15%
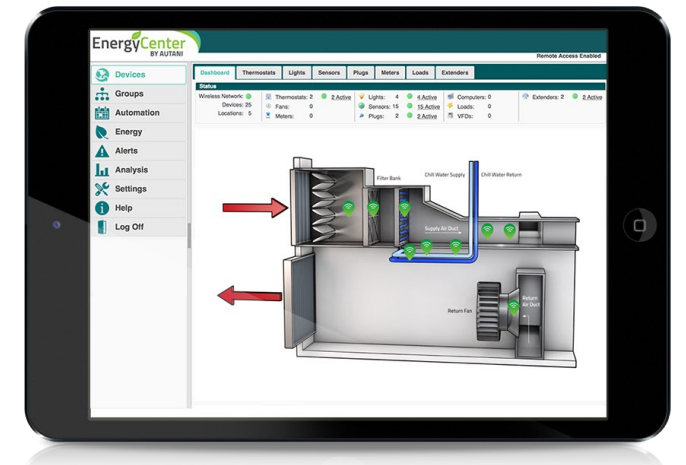
Autani's wireless sensors and ductwork probes can measure temperature, humidity, differential pressures to maintain comfort in the store's sales environment, and that the HVAC equipment is optimally performing as designed with:

- ✓ Networked Thermostats
- ✓ Room Averaging Temperature Sensors
- ✓ Humidity Sensors (+/- 3% Accuracy)
- ✓ Ductwork Temperature Probes
- ✓ Differential Static Pressure Sensors
- ✓ Outdoor temperature sensors
- ✓ Differential Pressure Sensors for Filter Monitoring

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INTERNET OF THINGS COMPATIBILITY PEOPLE COUNTING

The Autani wireless platform can do more than refrigeration, HVAC, and lighting. In the new age of the Internet of Things, Autani can provide the IoT backbone to help you understand how your customers migrate through your stores, which can provide you with real data regarding how your store operates relative to the time of day.

Steinel's Wireless People counter integrates seamlessly with Autani controls and monitoring.

How many customers are in individual aisles and specific departments, and at what times?

How many customers are in checkout lanes or waiting at the deli?

Where should I consider dispatching employees to help my customers to improve the overall customer experience?

WIRELESS OUTDOOR LIGHTING CONTROL

Whether a grocery store owns its facilities or leases via a triple net lease, there are financial benefits to upgrading and controlling the parking lot lighting system. A significant reduction in energy costs and maintenance costs can be achieved, while improving the overall aesthetics and image of the store and making customers feel safe.

The Wireless Outdoor Lighting Controller installs where the photocell would be used converting the light into a wireless smart device compatible with Autani's EnergyCenter.

The Autani EnergyCenter can help you get control of your parking lot to match the outdoor fixture light output with outdoor conditions and events. Autani can help you:

- Maximize natural daylighting with an astronomical timeclock
- Reduce light output and energy costs with master timeclock scheduling
- Tune the parking lot lighting to be more welcoming and not appear "too bright"
- Extend the life of the outdoor lighting system and reduce maintenance costs
- Create wireless alerts if light fixtures are not functioning properly to reduce risks