

Cassia™

Energy Management System







The Schneider Electric Experience.

Going the extra mile for guests ensures broad smiles. Those dazzling smiles lead the way to repeat bookings and a brighter bottom line for your hotel or facility. We understand this simple fact of business – we're Schneider Electric, a world leading global specialist in energy management.

Our goal is to exceed your expectations by delivering the latest technologies to captivate your guests, as well as deliver world-class energy management solutions that help to ensure that the installation, maintenance and daily operation of your facility is as smooth and efficient as possible. In short, to make you smile too.

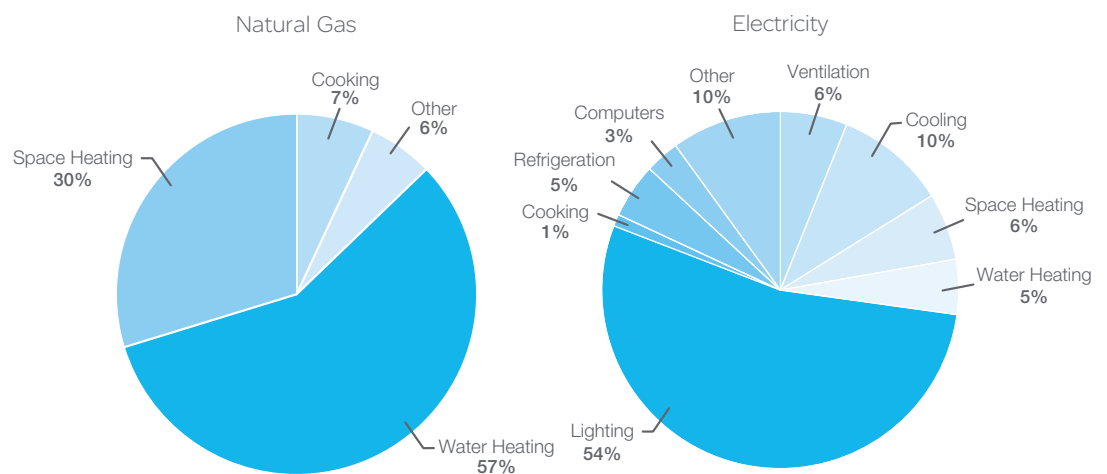
Industry Snapshot: Hospitality

In the current climate, businesses of all shapes and sizes are searching for new and innovative ways to save energy and reduce operating costs. Nowhere is this more evident than in the hospitality and multi-unit renter industry, where owners and management companies continually face major energy expenditures in areas such as lighting, and heating, ventilation and air conditioning (HVAC) systems.

Responsible, eco-friendly destinations

The pressure for facility's to become more environmentally-friendly is also evident from the latest trends in consumer demand. Guests are becoming increasingly aware of the impact that their lifestyle decisions have on the environment, leading them to choose more sustainable destinations for their leisure or business travel.

Electric and natural gas end-use profile for hotels and motels



Source: Energy Information Administration; Commercial Buildings Energy Consumption Survey, 2003 Data

Attain significant energy savings and enhance your guest's experience. See how...







The Solution: Cassia Energy Management System

The Cassia Energy Management System from Schneider Electric is a revolutionary wireless in-room solution that can have a dramatic impact on all key aspects contributing to your bottom line, from delighting your guests and reducing your carbon footprint, to enjoying a rapid return on investment and helping to maximize energy savings.



Cassia System Overview

With the Cassia Energy Management System from Schneider Electric, energy savings can be easily attained without sacrificing your guest experience. Your guests will be more comfortable, your staff more efficient and your hotel more profitable.



How is this accomplished?

The Cassia Energy Management System tackles the largest culprits of energy waste in hospitality – heating, cooling and lighting – through the innovative use of room automation. This dramatically reduces the amount of energy wasted to heat or cool an unoccupied room. The Cassia web-based central control software provides hotel staff with meaningful information regarding each room's energy performance.

Increase your energy savings

The Cassia Energy Management System automatically triggers adjustments in temperature and lighting when guests check in and out, or simply step in or out of the room. This not only creates a customized guest experience – based on conservative estimates, 25 – 44% in energy savings per room can be achieved in virtually any hotel, dorm or multi-unit dwelling.

Fast. Effective. Scalable.

Enjoy a fast and noninvasive way to reduce your energy usage, without suffering the consequences of long shutdown periods for installation. The installation of the Cassia system can begin during any stage of the building's lifecycle. Designed for retrofit, this technology does not restrict a building's daily operation or require the shut down of individual floors or occupied rooms for installation. Whether you start room-by-room or floor-by-floor, the Cassia Energy Management System provides scalable solutions, all while saving you energy.



A Room Your Guests Never Want to Leave

Guests are often met with darkness in their hotel rooms as they juggle multiple bags and search blindly for the light switch. Why not welcome guests to their rooms with warm lighting and the perfect temperature? The intelligence of the Cassia Energy Management System recognizes when a guest has checked in at the front desk. This allows it to prepare a personal welcome with comfortable temperatures and luxurious light levels, making the stay an experience that your guests will appreciate and remember.

New levels of comfort with lighting control

With the Cassia Energy Management System you can create a myriad of moods and lighting scenes for a striking impact. Guests have the flexibility to adjust light levels according to their mood, or enjoy pre-set lighting scenes for the ultimate luxury and convenience. For example, guests will no longer need to leave the comfort of their bed to turn off the lights. With a “Good night scene,” the Cassia system conveniently turns off all lights in the entry or bathroom from their bedside. When entering or leaving the room, a “Master On/Off” lighting scene by the door can provide guests a well-lit welcome or smooth exit. All while saving significant amounts on your total energy usage.

A personal experience supported by central control

When guests check into their rooms, they want to feel as if the room is truly theirs. They want to control it as they would their own home, with the temperature set at their comfort level, and the lighting adjusted according to their needs. With the Cassia Energy Management System, you can give your guests the control they want, without giving up control of your hotel. Carefully manage energy use in every room with pre-defined temperature ranges and setback settings, while still providing guests the ability to adjust controls with straight-forward and easy-to-use devices.

Improving Efficiencies in Heating, Cooling and Lighting

The Cassia Energy Management System is designed to save energy for properties without compromising guest comfort through the innovative use of wireless thermostats, motion and door sensors, as well as advanced energy monitoring software.

Heating and cooling

The system uses the concept of “Target” temperature settings to manage activation of heating and cooling systems in guest rooms. These settings allow the room temperature to fluctuate up or down a pre-determined temperature range. Customer selected Variances, Setbacks and Deep Setback settings determine the desired temperature range. The purpose of these variable fluctuations is to ensure that the target temperature is maintained for guest comfort, while reducing unnecessary “vacant energy expense” while guests are out of the room. When a guest re-enters, temperatures return to the guest’s preferred settings and offers manual adjustments.

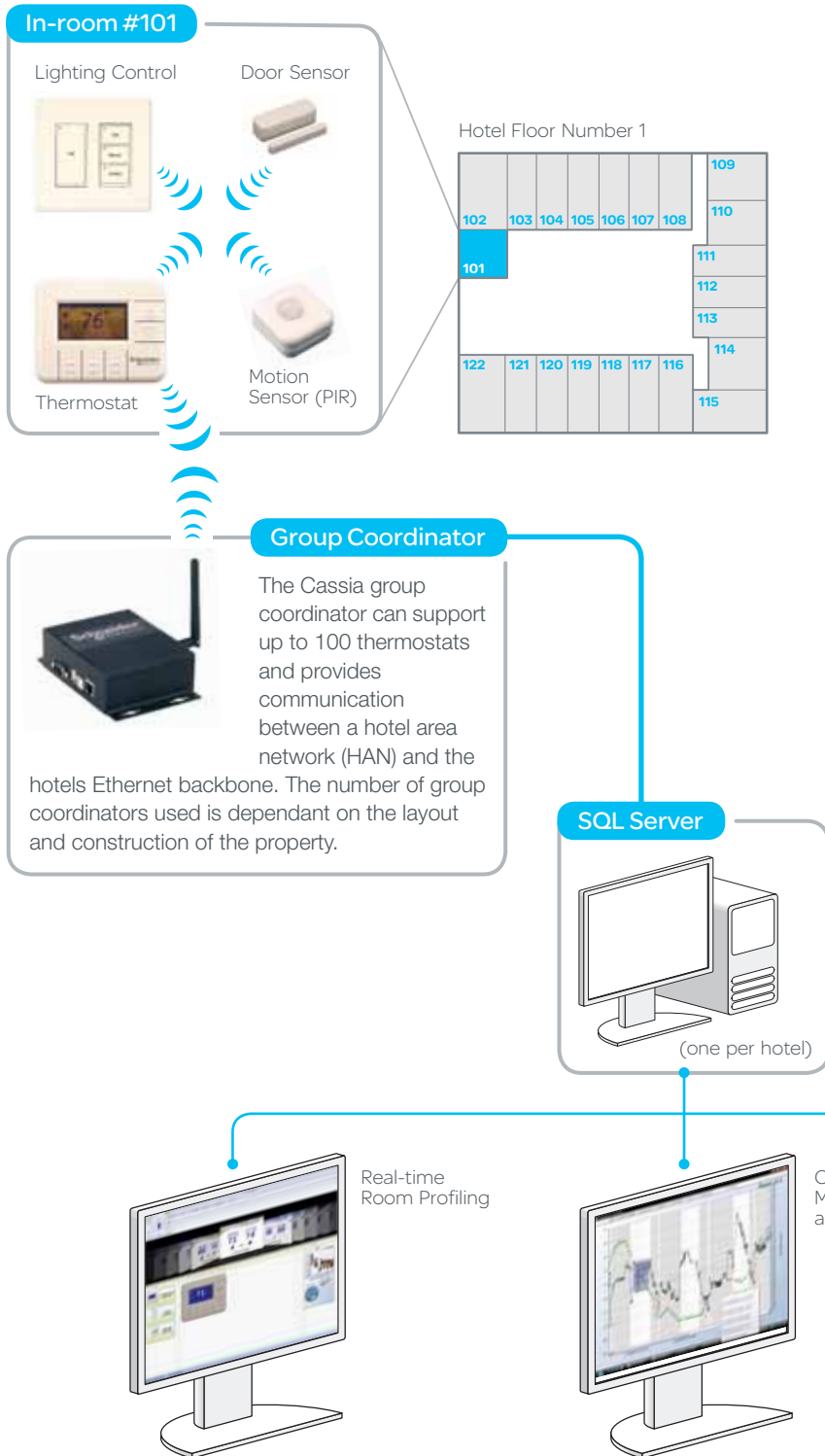
Lighting

When the Cassia system determines a room is unoccupied; it sends a signal to each light switch and turns off any light that is left on. Similar to the heating and cooling settings, the time delay can be programmed to preference. As soon as the door opens again, guests can be greeted by warm courtesy lighting. Settings can also be programmed to not activate courtesy lighting during daylight hours when natural light is sufficient, thus maximizing your energy savings potential.



Cassia System Components

A rapid wireless installation, for faster return on investment.



Lighting Control

Cassia lighting control includes lamp module, 800 W dimmer or 1000 W switch options. Available in black, white, cream or light almond, with one and three button options.

Door Sensor

The Cassia wireless door sensor consists of a base and magnet.

Motion Sensor (PIR)

The Cassia wireless motion sensor uses a Passive Infrared (PIR) sensor to detect heat patterns in the room. Motion will be signaled to the thermostat if the heat pattern changes.

Thermostat

The Cassia thermostat controls heating and cooling equipment in guest rooms. Each thermostat uses two independent Zigbee radios for the local Room Area Network (RAN) within the room and the Hotel Area Network (HAN).

Personalized Energy Monitoring Software and Support

With the Cassia Energy Management System, hotel operators enjoy the convenience of real-time monitoring to enhance their energy saving capabilities. Whether needing to verify that someone is in the room, check the performance of the HVAC system, view reports of estimated energy savings, or simply adjust the temperature to resolve a customer complaint, this user-friendly system automates tasks that once drained significant amounts of time and resource. This allows you and your staff to focus on the more important values of your hotel – the guest experience.

A practical software experience created with you in mind

The innovative Cassia system browser makes managing and monitoring energy usage a breeze. Through a secure IP address, users can easily scroll through energy usage data by room, floor or even the entire facility, with the ability to make manual adjustments to settings when required. Millions of data points are captured to create customized reports tailored to the needs of your facility. Reports or alerts can also be sent to a mobile device or email inbox, thus saving time and resource while enhancing response time if problems arise.

- Outside temperature changes
- Temperature Setpoint changes
- Doors opening or closing
- The detection of motion or vacancy
- Thermostat mode changes
- Thermostat button presses
- Changes in light levels
- Lighting button presses
- Automatic alerting
- System battery life

We deliver the expertise

The Cassia Energy Management System is supported by Schneider Electric providing energy usage recommendations and advanced system support tailored to the unique requirements of your facility.



More than an In-room Solution

As a global leader in energy management, Schneider Electric delivers intelligent energy management solutions to thousands of hotels around the world.

In addition to the Cassia Energy Management System, Schneider Electric offers a comprehensive array of scalable solutions to suit your needs. From electrical distribution equipment and total building management systems, to elegant lighting control and personalized in-room solutions, Schneider Electric can transform your facility into an efficient and inspiring business. Explore our entire energy management solution to see what Schneider Electric can do for you.

Visit www.schneider-electric.us for more information on our energy management solutions.



for more information on the Cassia Energy Management System visit:
www.schneider-electric.us/go/hotels



A global leader in critical power and cooling services, providing industry leading products, software and systems.



Setting the standard for innovation in architectural-grade lighting products.



A global leader in video and security solutions.



A global leader in NEMA electrical distribution, power and control solutions.

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