



SIEMENS

Case Study

EcoView™ Energy Management System

A Franchise Owner Realizes Double-Digit Savings on HVAC & Lighting Costs

www.siemens.com/ecoview

EcoView EMS is an end-to-end energy management solution

Highlights

- EcoView EMS was developed for small to medium-sized commercial properties.
- It's a truly scalable and predictable solution for a sector where managing rising energy costs can have a significant impact on narrow profit margins.
- Wireless technology and drop-in thermostats make it easy to install.
- It's designed to lower HVAC and lighting energy consumption.
- Users can adjust settings directly on the touch panel or via remote-access features and Cloud-based applications.

Rising energy prices and increasing energy consumption put pressure on small commercial businesses. An energy management system can lower bills through advanced scheduling, controlling and monitoring of HVAC and Lighting, which in turn will help improve the bottom line.

Siemens EcoView™ Energy Management System (EMS) was designed specifically to meet the energy management needs of restaurants, medical offices, retail shops and other small commercial businesses. Already at work in many facilities across the United States, EcoView is a proven solution for lowering energy consumption and bills. Wireless technology, drop-in thermostats, and cloud-based applications make it affordable and simple to install and use.

It also provides great visibility and control of HVAC and lighting from one central point, which helps increase productivity.

Challenge

Running a profitable business demands optimal performance from energy-consuming equipment. In a fast-paced restaurant environment, people and

equipment must work seamlessly in order to cook, package and serve hundreds of customers each day. Increasing profit over low-margins requires keeping operating costs as low as possible. Additionally, retaining customers not only depends on good service but also on comfortable lighting and temperature.

Confirmed data demonstrates that EcoView can reduce total energy consumption and provide a return on investment in less than 24 months

A string of hot summers and high energy bills were taking a toll on a franchise owner of a leading global quick serve restaurant in Knoxville, Tennessee, so he decided to address his HVAC and lighting controls. With the sweltering heat, employee and customer comfort were significant concerns. His staff was also adjusting the thermostat regularly, creating inefficient fluctuations in temperature. Another issue was lighting. Sometimes he'd go by his restaurant at

EcoView Touchscreen
7-in. touch panel gateway to the Internet, enabling wireless control of thermostats, power meters, and other load control devices





dusk and see the lights were not on, or he would come back the next morning to find the lights were not turned off. He needed a more reliable method to control energy use in his restaurant.

Solution

This small business owner selected Siemens to automate his lighting and temperature controls with EcoView. Its distinct capabilities and proven success made it an affordable investment that would deliver a fast return on investment. It would also give the restaurant owner the ability to schedule, monitor, and control energy loads from the convenience of anywhere.

Even though initial estimates suggested a 6% to 8% savings on HVAC and lighting costs, the restaurant owner is discovering savings in double digit percentages.

The installation was easy, taking only a couple of days, with no downtime affecting his restaurant, customers, or staff. Siemens accommodated the restaurant's busy schedule by working at non-peak hours. The Siemens installer set all the initial parameters, including lighting schedules in the restaurant, parking lot and other critical areas and trained the owner and managers on how to adjust when necessary. The intuitive touchscreen as well as the remote-access capabilities make EcoView an easy-to-use energy

management system for any small business owner – it's easy to log in online to monitor and control from anywhere.

The intuitive touchscreen as well as the remote-access capabilities make EcoView an easy-to-use energy management system for any busy operator. Adjustments can be made either directly on the touch panel or via the web. The restaurant owner can log in from home and turn off the restaurant's lights. Siemens technicians can also provide remote monitoring services to help quickly correct any issue, such as erratic energy use or temperature fluctuations, that may arise.

Results

Since using EcoView EMS, the owner has not received one customer complaint, reassuring him that comfort levels have been optimal while energy consumption has been lowered.

Even though initial estimates suggested a 6% to 8% savings on HVAC and lighting costs, the restaurant owner is discovering savings in double digit percentages. At this location, Siemens projected a return on investment between 12 and 18 months, but the return on investment was realized much sooner than that. EcoView has exceeded expectations, outperforming initial estimates for this restaurant and generating savings that are improving the bottom line.

With generated savings in utility costs, this owner is reinvesting in his business with plans to install EcoView at a second location.

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