



ECOSYSTEM

MAKING ENERGY AUTOMATION EASY

ECOSYSTEM



SHS

SMART HOTEL
SOLUTIONS

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INTRODUCTION

ECOSYSTEM provides world class energy management controls and sensors for hospitality, A-class, mixed-use, multi-family and residential built environments. Our management and engineering team have **over 40 years** combined experience in designing, manufacturing, consulting and installing energy efficiency for buildings.

Our purpose is to enable building owners and managers to improve their asset yield and corporate image in the easiest, lowest cost ways possible. We do this by reducing operating and maintenance costs (OPEX) using the lowest cost, highest saving energy efficiency solutions available.

ECOSYSTEM building owners are proud of their assets and know that installing our solutions is a win-win-win proposition.

GREAT FOR THE BOTTOM LINE
GREAT FOR THE ENVIRONMENT
GREAT FOR THE ASSET VALUE



We focus on several values which we know are critical to our customers:

- ✓ AESTHETICS AND DESIGN
- ✓ COST
- ✓ EASE OF INSTALLATION AND MAINTENANCE
- ✓ RELIABILITY
- ✓ COMFORT
- ✓ ENERGY SAVINGS

OCCUPANCY CONTROLS

It is a known fact that there is no better way to save energy than by turning unneeded appliances off.

The lowest cost, highest returning energy saving measure possible is having a control solution that monitors occupancy in real time. Depending on whether anyone is present (occupied room) it can actively turn appliances on and off when needed.

ECOSYSTEM can reduce HVAC and lighting usage up to 70% in buildings that are un-controlled. This consistently results in **over a 10% reduction in building energy costs**. Energy automation is that easy.

IT'S AS EASY AS 1,2,3!

1 - Intelligent sensors (wired or wireless) monitor room occupancy, door and window openings. Comfort is ensured because the system monitors room entry and exits and won't turn off appliances until after the occupant has left.

2 - When rooms are empty or doors are left open, air conditioning demand is reduced by cycling the compressor on and off and turning off unneeded lights.

3 - **Expect at least at 10% reduction in your total monthly energy expenses.**

ECOSYSTEM SOLUTIONS

ECOSYSTEM is a flexible solution that can be installed in many different applications including: hotels, conference and meeting rooms, multi-family residential, residential and mixed use buildings. Our Control Panels come in both wireless and wired versions to facilitate retrofit, refit or new construction projects. We offer wireless transmitters that include widely utilized and robust message encoding to ensure highly reliable Radio Frequency (RF) transmissions and fast commissioning. Our solutions work on virtually every type of air-conditioning and electrically controlled heating systems.

Systems are expandable and additional sensors can be added to:

Monitor Balcony Doors & Windows | Living Rooms | Bedrooms | Suite Rooms & Other Living Areas

Decades of experience ensures that **ECOSYSTEM** controls operate consistently, reliably and perform as expected.

ECOSYSTEM is made up of four key components:

AUTO - WIRELESS RECEIVER (OR WIRED), HVAC AND LIGHTING CONTROL PANEL

PORTAL - WIRELESS (OR WIRED) DOOR OR WINDOW SENSOR

OPTIC - WIRELESS (OR WIRED) PASSIVE INFRARED OCCUPANCY SENSOR

CLIME - TEMPERATURE SENSOR

All **ECOSYSTEM** products proudly carry a three (3) year manufacturers limited Warranty against defects.

Project proposal will include parts and accessories that have been customized in different combinations to complete your total energy management solution.

ECODATA Building Energy Model (BEM)

"...you cannot save what you cannot measure."

The ECODATA Building Energy Model (BEM) consulting service is designed to analyze hotel buildings historical energy usage. It will help identify where energy is being consumed, where it is being consumed inefficiently and the individual returns of various energy efficiency measures (including HVAC occupancy controls, HVAC replacement, Lighting occupancy controls, and high efficiency lighting (LED or CFL) replacement). This valuable document can be used to share with management boards to evaluate energy efficiency project viability and budgeting and is a low cost way to get started saving energy.

