



## GuestControl™ EccoSav™, a 5-Star Integrated Smart Room Control and Energy Optimization System

GuestControl™ EccoSav™ Integrated Smart Room Control & Energy Optimization System, a 5-star experience is just one touch away. Guests can control drapes, lights, temperature, infotainment, schedule wake-up scenes, request concierge service, and others just by using your own mobile device, voice command or switches on the wall panels.

GuestControl™ EccoSav™ Integrated Smart Room Control & Energy Optimization system is compatible with both new and refurbished hotel properties. It is scalable, you can start with one floor and expand progressively to the entire property over time. It is the choice of excellence for all hoteliers planning to implement smart hotel solution for their properties.

## EMPOWERING YOUR HOTEL ROOMS WITH SMART CONTACTLESS CONTROL & ENERGY OPTIMIZATION TECHNOLOGY

*Balancing Cost and Guest Experience with GuestControl™ EccoSav™ Integrated Smart Room Control and Energy Optimization System.....*

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GCS-V1-RC-11-2023

Hong Kong · Guangzhou · Shanghai · Beijing · London · New York



THE REVOLUTIONARY GUESTROOM ENERGY  
MANAGEMENT SOLUTION OF THE NEXT GENERATION

## Product Brochure

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Achieving Digital Transformation by Articulating the Value of GuestControl™ EccoSav™ Integrated Smart Room Control and Energy Optimization Solution in Hospitality Towards Better Guests Experiences

A hospitality Smart Room Control and Optimization System is a hotel rooms equipped with disruptive technologies such as Artificial Intelligence and IoT (Internet of Things), with the aim of improving management, efficiency and control from the hotel energy management, as well as offering new guest experience and a better service to guests.

Hospitality Smart Room Control and Optimization Systems are designed to offer an improved stay in terms of services and comfort for guests, but, above all, to enable optimized management in favor of security, energy saving, eco friendly, efficiency and control capacity.

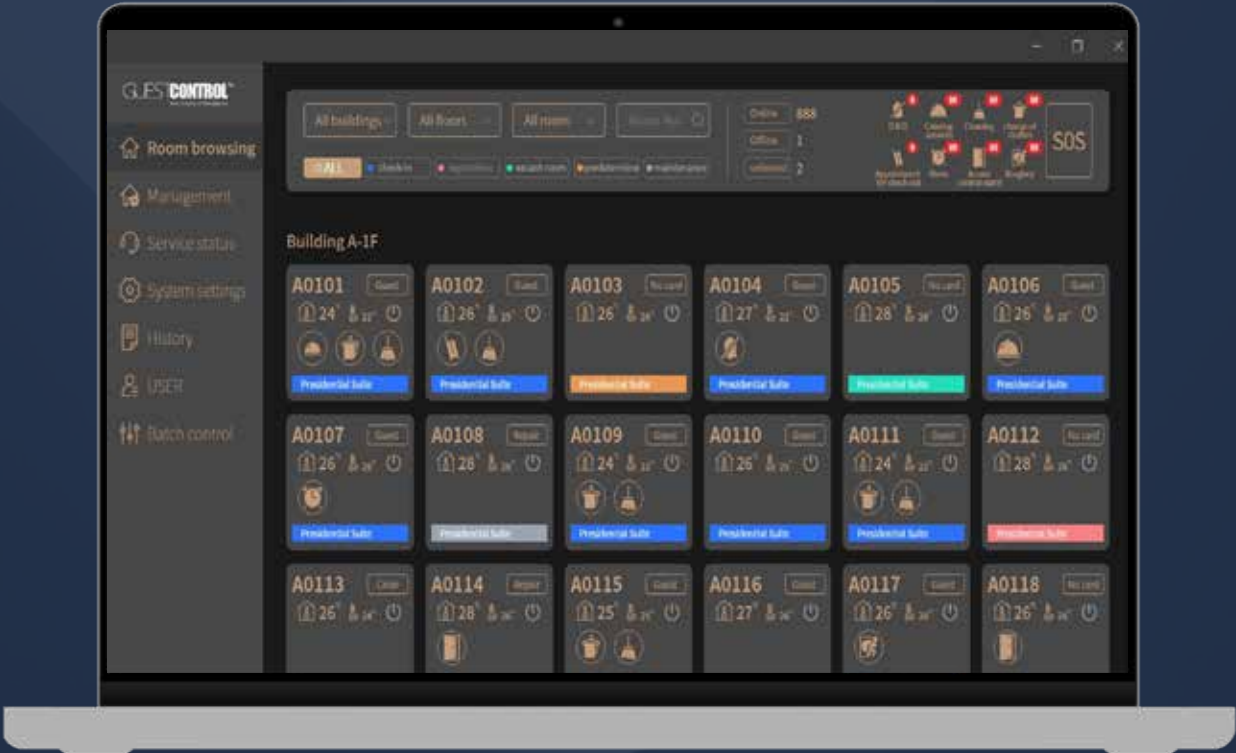
GuestControl™ Eccosav™ Guestroom Intelligent Control System Manager

GuestControl™ EccoSav™ management system is a software that can realize unified management and control of hotel room access control systems, air conditioning systems, intelligent lighting systems, background music systems and service systems. The system includes server, client, and third-party interface programs.

The server is the hub for managing all clients. After the operations performed by a single client are uploaded to the server, they are automatically updated to all clients connected to the server, so that hotel security personnel and front desk staff can view the real-time status, which can greatly improve the hotel management efficiency.

The client interface is user friendly, and the service staff can monitor the room status, guest needs, service status, equipment conditions, etc. in real time through this client. Tenants can easily send housekeeping information and service requests to the front desk through WeChat or App control, and the front desk can process them immediately after receiving them.

Improve the communication efficiency between guests and hotel managers that can ultimately save management costs.





HOSPITALITY SMART ROOM CONTROL  
AND OPTIMIZATION SYSTEM COMPONENTS

Gateway Control Module



Model No.: GCS-DC-9500-HO-IP09

Basic Parameters

**Operating Voltage:** DC12~30V  
**Operating Temperature:** -5° C~45° C  
**Output current:** Dynamic power consumption 350mA  
**Dimension ( L\*W\*H ) :** 72mmX90mmX54mm  
**Storage Temperature:** -20° C~60° C  
**Installation Method:** Standard 35mm Rail Installation

Features

- TCP/IP network connection can realize check in/check out room service and other information exchange, support WEB side debugging, and enable remote access.
- 4-channel 485 communication interface, each channel can independently define different 485 communication protocols, and is compatible with different third-party systems and products.
- 9 channels of dry contact signal input and output, meeting door sensor, house number, doorbell, SOS, and infrared device access.
- Comes with functions such as scene, group, automatic editing, etc.; can set the dry contact panel back; light brightness; wake up with any key in sleep mode.

Control Panel Gateway Module



Model No.: GCS-DC-9500-HO-IP81

Basic Parameters

**Operating Voltage:** DC12~30V  
**Operating Temperature:** -5° C~45° C  
**Output current:** Dynamic power consumption 350mA  
**Dimension ( L\*W\*H ) :** 72mmX90mmX54mm  
**Storage Temperature:** -20° C~60° C  
**Installation Method:** Standard 35mm Rail Installation

Features

- TCP/IP network connection can realize check in/check out room service and other information exchange, support WEB side debugging, and enable remote access.
- 4-channel 485 communication interface, each channel can independently define different 485 communication protocols, and is compatible with different third-party systems and products.
- 81 channels of dry contact signal input and output, meeting the needs of door sensors, house numbers, doorbells, SOS, and infrared device access.
- Comes with functions such as scene, group, automatic editing, etc.; can set the dry contact panel back; light brightness; wake up with any key in sleep mode.

3CH Switch Emergency Module



Model No.: GCS-DC-9500-SC-E1R3

Basic Parameters

**Operating Voltage:** DC12~30V  
**Operating temperature:** -5° C~45° C  
**Power input:** AC220V  
**Output current:** 1200mA  
**Dimension ( L\*W\*H ) :** 72mmX90mmX66mm  
**Storage Temperature:** -20° C~60° C  
**Installation Method:** Standard 35mm Rail Installation

Features

- Equipped with 1 10A emergency mains backup power automatic switching, 1 16A switching, 2 8A switching modules, and lighting switches.
- All circuits have zero crossing detection function.

5CH Switch Module



Model No.: GCS-DC-9500-AC-X5AC

Basic Parameters

**Operating Voltage:** DC12~30V  
**Operating temperature:** -5° C~45° C  
**Power input:** AC220V  
**Bus Power Consumption:** 30mA/DC24V  
**Dimension ( L\*W\*H ) :** 72mmX90mmX66mm  
**Storage Temperature:** -20° C~60° C  
**Installation Method:** Standard 35mm Rail Installation

Features

- Equipped with 2-way magnetic holding 16A relay and 3-way non-magnetic holding 16A relay functions.
- All circuits have zero crossing detection function.

HOSPITALITY SMART ROOM CONTROL AND  
OPTIMIZATION SYSTEM COMPONENTS

10CH Hybrid Module



Model No.: GCS-DC-9500-HM-HX10

Basic Parameters

**Operating Voltage:** DC12~30V  
**Operating temperature:** -5° C~45° C  
**Power input:** AC220V  
**Bus Power Consumption:** 30mA/DC24V  
**Dimension ( L\*W\*H ) :** 72mmX90mmX66mm  
**Storage Temperature:** -20° C~60° C  
**Installation Method:** Standard 35mm Rail Installation

Features

- Built in 2-way MOS dimming/12-way 16A relay unit.
- Support lighting dimming/light switch/air conditioning/curtain control, etc.
- The dimming circuit has a short-circuit and overheating protection function.
- All circuits have zero crossing detection function.

12CH Switch Module



Model No.: GCS-DC-9500-SC-RX12

Basic Parameters

**Operating Voltage:** DC12~30V  
**Operating temperature:** -5° C~45° C  
**Power input:** AC220V  
**Bus Power Consumption:** 30mA/DC24V  
**Dimension ( L\*W\*H ) :** 72mmX90mmX66mm  
**Storage Temperature:** -20° C~60° C  
**Installation Method:** Standard 35mm Rail Installation

Features

- Built in 12 16A relay units.
- Support lighting switch/air conditioning/curtain control, etc.
- All circuits have zero crossing detection function.

4CH Dimmer Switch Module



Model No.: GCS-DC-9500-DC-401H

Basic Parameters

**Operating Voltage:** DC12~30V  
**Operating Temperature:** -5° C~45° C  
**Output current of each circuit:** 1A  
**Bus Power Consumption:** 35mA/DC24V  
**Dimension ( L\*W\*H ) :** 72mmX90mmX66mm  
**Storage Temperature:** -20° C~60° C  
**Installation Method:** Standard 35mm Rail Installation

Features

- It has four dimming curves: linear, 1.5th power, 2.0th power, and 3.0th power.
- Each circuit has a manual switch and LED lights to display the status of each circuit.
- Output overcurrent protection function .
- Minimum load 30W, maximum output 1A per circuit.

6CH 0~10v Dimming Module



Model No.: GCS-DC-9500-DC-601H

Basic Parameters

**Operating Voltage:** DC12~30V  
**Operating Temperature:** -5° C~45° C  
**Output current of each circuit:** 100mA  
**Bus Power Consumption:** 40mA/DC24V  
**Dimension ( L\*W\*H ) :** 72mmX90mmX66mm  
**Relay Lifespan:** >60,000 Times  
**Protection:** External Circuit Braker protection  
**Storage Temperature:** -20° C~60° C  
**Installation Method:** Standard 35mm Rail Installation

Features

- Built-in 6-channel 0~10V output suitable for fluorescent lamps and LED lamps/6-channel 16A relay unit.
- The dimming circuit has short circuit and overheat protection function.
- All loops have zero-crossing detection function.

GUESTCONTROL™ ECCOSAV™ INTEGRATED SMART  
ROOM CONTROL AND ENERGY OPTIMIZATION  
SYSTEM COMPONENTS

BESTE™ SERIES  
Electrical Switches

Beste switches and sockets embodies a distinctive, minimalist aesthetic. Featuring ultra-clean lines, a sleek profile, the Beste™ collection is the reference in terms of beauty and ingenuity.

Delivering impeccable quality and strong, detail focused aesthetic for modern environment.



Proximity Sensing option available on this model



## BESTE™ SERIES

Beste switches™ and sockets embodies a distinctive, minimalist aesthetic. Featuring ultra-clean lines, a sleek profile, the Beste™ collection is the reference in terms of beauty and ingenuity.

Delivering impeccable quality and strong, detail focused aesthetic for modern environment.



### Switches



### Sockets



### Accessories



### Colour

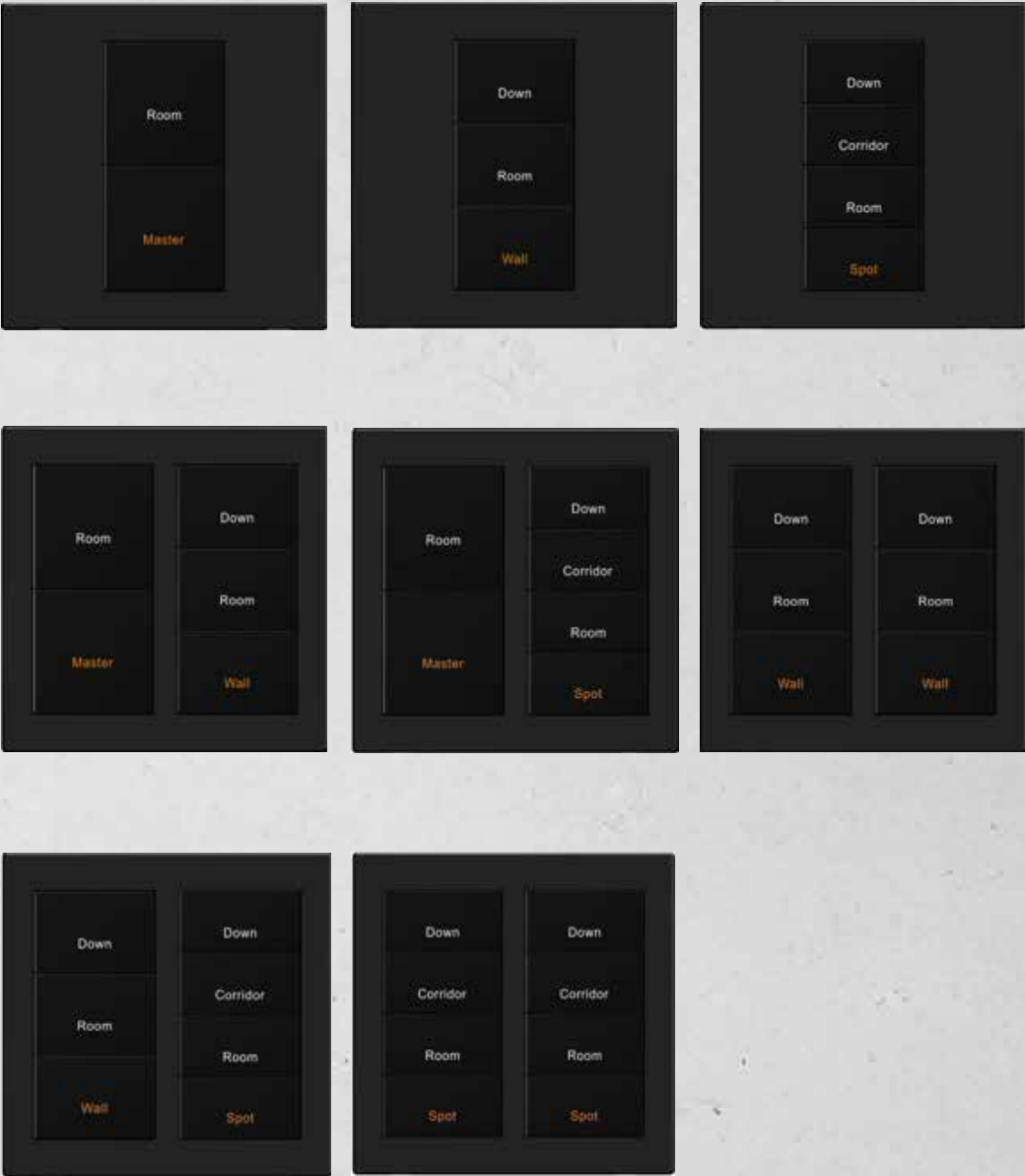




GUESTCONTROL™ ECCOSAV™ INTEGRATED  
SMART ROOM CONTROL AND ENERGY  
OPTIMIZATION SYSTEM COMPONENTS

KREATIV™ SERIES

An elegant design with engineering creativity that satisfies the requirements of efficiency and cost effectiveness . At the same time giving its aesthetics an extended life and imparting a visual identity to the product cosmetic. A design beyond the ordinary.





# Innovativ™ Series Glass Touch Switch Panel



## Switches



## Sockets



## Accessories



## Color options



GUESTCONTROL™ ECCOSAV™ INTEGRATED  
SMART ROOM CONTROL AND ENERGY  
OPTIMIZATION SYSTEM COMPONENTS

UNICO™ Series 4-inch  
Touch Screen Panel



## VORAUS™ SERIES

### 10-inch Interactive Touch Screen Panel

Voraus™ series interactive Touch screen panel is a high quality, yet affordable multi-touch display that puts collaborative interactivity into the hospitality environment. The Voraus™ series touch screen panel includes the most effective, yet intuitive features, creating an easy-to-use high quality interactive display in hotel guestrooms.



# USER INTERFACE



KAMFORT™ SERIES  
Smart Thermostat

Designed with unparalleled dimension and definitive expression in slimness, the Kamfort™ Series thermostat can harmoniously blends in with every contemporary interior decor.



Rotary Control Digital Thermostat



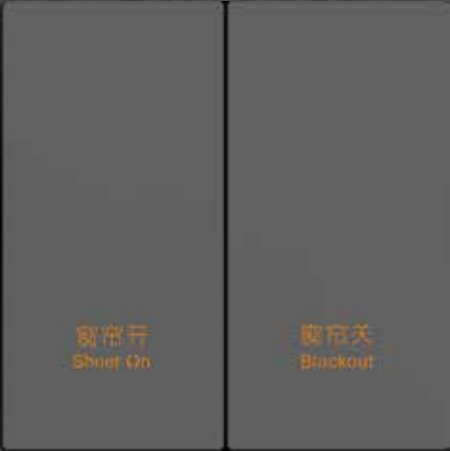
Full Display Touch Screen Thermostat



Classical Thermostat

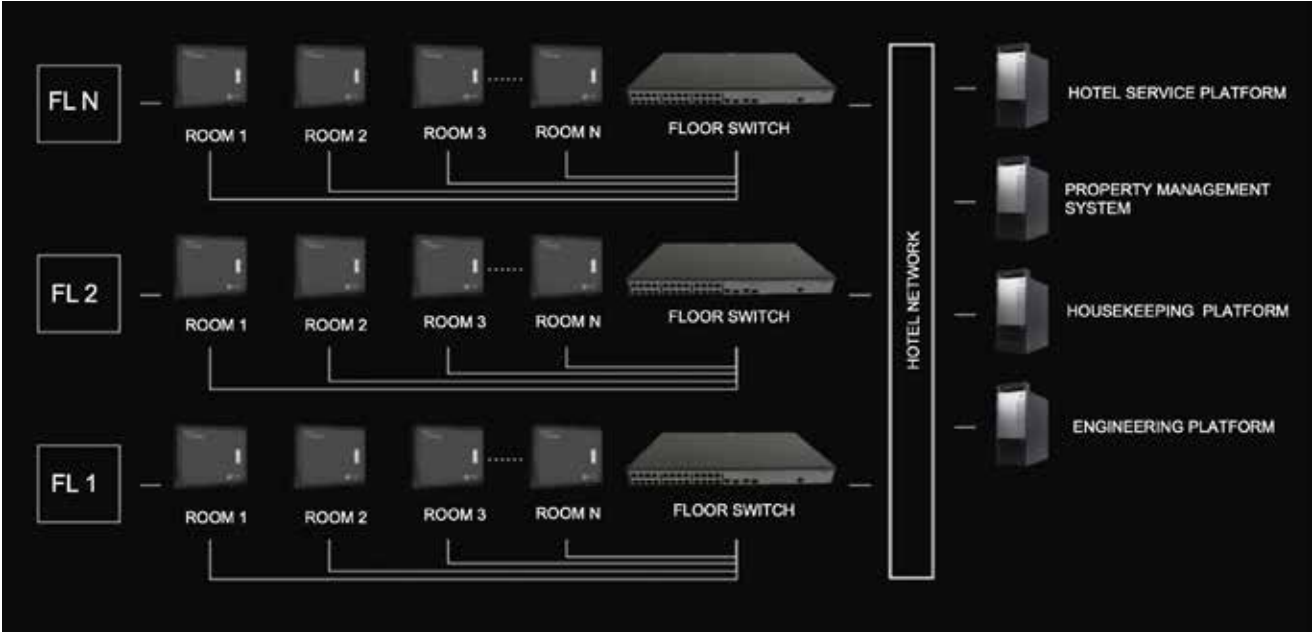
# Customizable Text or Icon

Multi-lingual laser engrave text or icon improve durability



GUESTCONTROL™ ECCOSAV™  
INTEGRATED ROOM CONTROL AND ENERGY  
OPTIMIZATION SYSTEM ARCHITECTURE

TCP/IP TOPOLOGY



TCP/IP CHARACTERISTIC

Good Fault Recovery Ability

If a part of the network is compromised due to an intrusion or attack. While a failure occurs, the rest of the network can still function normally.

Add a Network Without Interrupting Service

With TCP/IP protocol, a new network can be added without affecting the existing service.

Possibility to Cope with High Bit Error Rate

TCP/IP has the ability to handle high bit error rates. When a path is lost, its built-in mechanism ensures that the data packet can reach its destination via another path.

No Restrictions on Using the Platform

There are no restrictions on the use of the platform. In other words, TCP/IP Network and client can be Windows, Unix, Macintosh, or any other platform or above combination of platforms.

High Reliability

TCP/IP protocol is a standard high-level protocol. It has extremely high reliability and can provide users with reliable uninterrupted service.

Simple and Efficient

What makes TCP/IP so efficient is its low data overhead. As with any network, performance is key and speed and simplicity of TCP/IP are unmatched.

ADVANTAGES OF GUESTCONTROL™  
ECCOSAV™ INTEGRATED SMART ROOM CONTROL  
AND ENERGY OPTIMIZATION SYSTEM

Personalization

The main benefits of a smart hotel room is the ability to offer guests a greater level of personalization. This means that hotel guests can quickly and easily make adjustments to their room, to get it the precise way they want it, improving their enjoyment of the room and making it feel more like home.

Create Ideal Guestrooms

Automate guestroom comfort, lighting, temperature, drapes and other amenities through digital sensing technology that adjust automatically based on occupancy.

Improved Sustainability

For hotel management, one of the biggest advantages of creating a smart hotel is the reduced costs that are often associated with the concept. This is primarily due to improvements to sustainability and energy efficiency within the hotel rooms, with certain devices only being used when they are needed.

Create An Exceptional Guest Experience

The most immediately obvious benefit of a smart hotel room is the improvement it can deliver in terms of the guest experience. Face recognition access control and voice recognition for in-room control of various facilities are typical example that can create new guest experience.

Contactless Room Control

Another benefit of smart hotel rooms and the Internet of Things is the ability for hotel guest to control various room facilities like turning on light, temperature, drape, infotainment system and others using their own personal devices without having to touch any of the room control panels.

Empower Employees

Connect hotel employees with digital technology to address issues faster, help employees to work more efficiently to deliver improved guest experience and loyalty.

Preventive Maintenance

With the data information available through the smart room control system, It is possible to anticipate technical issues with devices and make repairs promptly. This allows hotels to intervene at the most timely possible moment without even the guest realizing it. This can avoid situations where the need for repairs hinders the customer experience.

Hotel of the Future

Hotels can now provide guests with a more personalized, efficient, and convenient experience thanks to the emergence of smart hotel automation. Smart hotels will become the standard since hotel owners want to provide the finest in guest services and current facilities.

Hotels can use automation to track their guests' preferences and behavior in order to give a more personalized experience. Furthermore, automation can save hotels time and money, with some systems allowing them to save up to 30% on their energy bills.



# CONCLUSION

GuestControl™ EccoSav™ Integrated smart room control and Energy optimization technology is redefining luxury and increasingly improving guest experiences while making operations leaner in hotels around the world. Guest-Control EccoSav™ Integrated Smart Room Control and Energy Optimization Systems are more sustainable with the environment, offer exclusive cost savings and enhance guest satisfaction. In particular, it can deliver greater personalization, improved energy efficiency, swifter repairs, greater convenience, and the ability to control devices remotely.

By implementing GuestControl™ EccoSav™ Integrated Smart Room Control and Energy Optimization System, you can be sure to move your hotel into the future. This will allow you to set your hotel apart from the competition by offering a customized, unique and seamless guest experience. Furthermore, you can save money and be more eco friendly at the same time, which makes the decision to go smart.



# GUESTCONTROL™ EXPERTISE HIGHLIGHTS

## Smart Energy Management System

Guest Control Systems Limited provides pre-sales technical consultation and system design services according to the needs of customers. We create a comprehensive and personalized technical solution base on customers' requirement with our team rich experience and technical expertise in hospitality industry.

## High Efficiency Energy Saving

GuestControl™ EccoSav™ Integrated Smart Room Control & Energy Optimization system provides a stable and efficient system to replace legacy solution. Through sensors, use of timing and other logic modules that saves labor costs and improves hotel efficiency.

***Extensive engineering data proves that hotels with our system, the hotel will reduce 10% - 30% lower energy consumption.***

## Personalization

GuestControl™ EccoSav™ customized the product colors and other details to ensure better integration into the hotel interior deco and fully reflect the hotel brand image.

## Compatible with Multi-Protocols

GuestControl™ EccoSav™ Integrated Smart Room Control & Energy Optimization system support different protocols that can be connected to curtains, multimedia projectors, air conditioners, lightings, thermostat, audio, video infotainment and other third-party systems and products.

## Saves Network Cable, Easy Installation

GuestControl™ EccoSav™ Integrated Smart Room Control & Energy Optimization system is a complete network architecture using network cables for all wirings or wireless. The solution ensure cost saving for our value customers

## Other Options

Guest Control Systems Limited provides comprehensive solutions to all areas of the hotel. From hotel guestrooms to lobby, conference room, business center, etc.



## Service Optimization

Offering excellent lifecycle services has always been a top priority of Guest Control Systems Limited. As a service innovator, our outstanding customer service is what drives customer acquisition and retention. We provide service via our online customer service centre and our local distributor network in each country.

## ECCOSAV™ Smart Energy Management System Benefited You That You Can Measure

GUEST CONTROL SYSTEMS LIMITED ECCOSAV™ Smart Energy Management System, a powerful, scalable, versatile and user friendly solution that is designed to enhance the performance of most modern world class hospitality property. Creating a unique and memorable experience for every guest is key to ensuring customer loyalty. At the same time, focus on substantial energy and cost savings that is important to your bottom line.

With future proofing consideration, its technical sophistication, design elegance, and energy saving feature elevates the hotel to world-class standard.

GUEST CONTROL SYSTEMS LIMITED ECCOSAV™ Smart Energy Management System embodies value, qualities and style of the hospitality property that can be translated to additional revenue and operational efficiency.

## GuestControl™ Commitment to Excellence

GUEST CONTROL SYSTEMS LIMITED is committed to deliver innovative state-of-the-art seamless and intuitive hospitality smart energy management system products and solutions to the hoteliers all over the world. With the company team expertise and accumulated global experience, we are able to set standard for smart energy management system products and solutions. We create lead in innovation to ensure the hoteliers are at the forefront of technology. We ensure your hotel are at world-class status while we care for your service optimization, process efficiency, energy saving, environmental protection, deliver outstanding guest experience, guest loyalty and profitability.