eelectron®

EFFICIENT AND SUSTAINABLE USE OF ENERGY IS AN URGENT NEED: BUILDINGS AND BUILDINGS CONSTRUCTION SECTORS COMBINED ARE RESPONSIBLE FOR 36% OF GLOBAL FINAL ENERGY CONSUMPTION AND NEARLY 40% OF TOTAL DIRECT AND INDIRECT CO2 EMISSIONS.
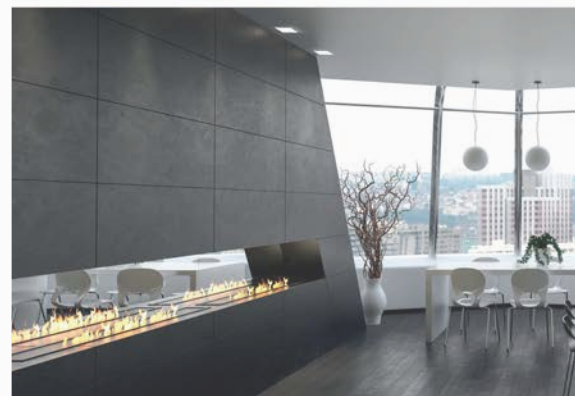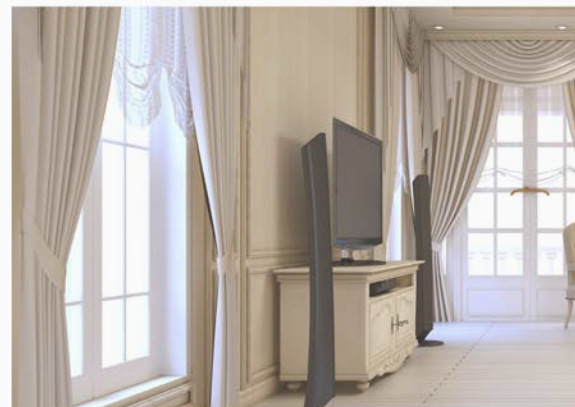
eelectron®

Eelectron is an Italian company that manufactures electronic devices, hardware and software on KNX and Bluetooth standard.

Its product range addresses building automation, hotel automation and home evolution sectors with a deep focus on complex environments managemenet and experience in integrated solutions.

Eelectron's philosophy of comprehensive aesthetic design and engagement in developing higly innovative devices combines with KNX interoperability and compliance with the most stringent international quality standards.

Eelectron's experience is at the user's service for demanding clients that require training activities, assistance on products and continuous development that focuses on emerging needs and applications, energy saving and achievement of simple and efficient solutions for the benefit of occupants and managers.

Today Eelectron is leading the market by following his roots and including new technologies.

TRAINING
KNX

Eelectron SpA is a KNX certified training center: accredited by the KNX Association for the organization of basic and advanced courses.

KNX   Bluetooth®

Shareholder of KNX Association since 2005, Eelectron is an example of technological leadership in the application of the common European standard protocol.

The **EIB/KNX** technology standard is now the most widely used in the field of control for buildings with service and residential uses, covering more than 10,000 devices produced by some 130 leading manufacturers in electronics / devices, and more than 12 million nodes installed worldwide.

KNX is approved by:

- European Standard (CENELEC EN 50090, CEN EN CEN 13321-1 and EN 1332-2 "KNXnet / IP")

- International Standard (ISO / IEC 14543-3)

- Chinese Standard (GB / Z 20965)

- U.S. Standard (ANSI / ASHRAE 135)

It allows to combine **Comfort** and **Savings**, with **long term investment protection**, freedom of service provision and constant **Technology Evolution**.

Thanks to the **KNX standard** technology, various integrations are available on the system; therefore, together with Eelectron's know-how, various technical requirements can be addressed.

KNX flexibility offers the possibility to add or reprogram new devices after installation and meets the needs of completion in renovations or extensions.

For more information see the Konnex website at:

www.konnex.org

HOTEL SOLUTION

Y20

GUEST ROOM MANAGEMENT, PERFECTED.

HOTEL SOLUTIONS

Innovative, intelligent devices and trustworthy integrated systems

With over **20 YEARS of EXPERIENCE** and everyday learning from hotel operators and managers, **MORE THAN 32.000 ROOMS** installed in **72 COUNTRIES WORLDWIDE**, important references and a solid range of products, we are recognized as one of the leader in the **KNX HOTEL MARKET**, through constant development of solutions and high experience on project, advising always the best to our customers.

Deploying a wide spectrum of dedicated solutions, Eelectron is assuring considerable energy savings through an intelligent management of lighting, heating and cooling systems, delivering fast returns on investments and flawless project execution.

Since 1996 In the hotel market, Eelectron is providing different smart solutions for the HOSPITALITY INDUSTRY following changing market needs and evolving standards. Our system integrations has proven to be among the most reliable, cost effective and technologically advanced.

With a focused eye on contemporary design, customization techniques and material research we constantly follow owner's and operators highest standards.

HOTEL MANAGEMENT

Unique experience for guests & staff

Hospitality industry is a complex environment with a particular attitude and attention to:

✔ Exceptional guest experience through Usability, Comfort & Design.

✔ Delivery of a quality service through profitable operational efficiency and integration.

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GUEST ROOM MANAGEMENT, PERFECTED.

eelectron

PROTECTION AND SECURITY

Highest standards ever, as a must

KNX is the **MOST SECURE** smart home and smart building standard available, matching **highest security requirements** in cyber security by following **AES128 Standard.**
Full secured KNX installations are guaranteed both from attacks carried out remotely, and from the risk of possible tampering of the bus system aimed at stealing informations or sending unwanted commands: without having the necessary cryptographic keys, it is not possible to decrypt and replicate data traffic.

Our solutions are KNX SECURE Ready.

A safe energy management is granted also through redundant power supplies which reduce loads peaks and react to unexpected failures.

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GUEST ROOM MANAGEMENT, PERFECTED.

SCALABILITY AND INTEGRATION

Shaking hands with professional subsystems

GRMS - Guest Room Management System can be integrated with the BMS and PMS in order to enable global management of the building and the hotel's operations to help reduce running costs and increase the efficiency of the building.

✔ Compatible with Property Management Systems (MICROS Fidelio Opera®, Protel, Flyhotel, etc.)

✔ ModBus integration to the most widely used brands and technologies (LON e BACnet, Mitsubishi®, Daikin®, Toshiba®, Sanyo®…)

HORIZONE

eSuite

eelectron

ACCESS CONTROL
AND SUPERVISION

Since our everyday living requires energy saving and
cost control

- ❤ Presence Detection
- ❤ Guest Management
- ❤ Staff Management
- ❤ Profile Management with preferred HVAC and Lightning settings
- ❤ Zone Control
- ❤ Access Reports
- ❤ Presence-Activated Logics

A Complete view on the entire building, common areas, alarms client's and staff activity locally or from remote.

Using the **Virtual Badge app** it is also possible to manage doors opening/access and the control of
the room directly via the customer's mobile device.

OCCUPANCY
DETECTION

Y20

GUEST ROOM MANAGEMENT, PERFECTED.

Transparent control, evident comfort

Accurate presence information thanks to integration with door magnetic sensor.
Our occupancy detection solution can understand guest presence in the room by using a DEDICATED PRESENCE SENSOR. It detects also unexpected presence in the room and is able to differentiate multiple behaviours.
When the room is occupied, the Guest will have full control of all room lighting and temperature controls.

The system is able to detect presence also from other bus events.
When the room is 'unoccupied', all lights will turn off (with a standard delay) and the HVAC system will reset to the preferred temperature. If the room is unsold, all lights will go off and the HVAC will reset to a convenient temperature.

eelectron

CUSTOMIZATION

Your style

Products and Solutions, natively engineered for **CUSTOM DESIGN**.
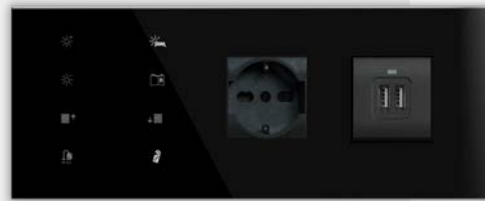
A World of materials, finishings, icons to optimize guest's experience and **hotel's brand identity**.

Products dedicated to the hospitality industry that meet customer needs without sacrificing the quality of industrial standards.

Y20

Guest Room Management, Perfected.

FOCUS ON PRODUCT

9025GL02E0x
Doorpanel 2 ch
Black/white + RGB

9025GL10C0x-B2x
9025 custom Bedside Panel plate

9025 Door Panel for guest / service signaling which includes an RGB bar for MUR/DND function display. Backlit led number of the room or logo could be customized following the hotel needs. A dedicated thermostat and/or temperature probe is embedded in the product in order to optimize the functionalities on common areas..

9025 Bedside Panel includes the features of the highly acclaimed switch: up to 10 channels, thermostat or temperature probe integrated, 1 analog / digital input on board. The product is intended to fullfill the request of the hotel market including high possibility of customization through dedicated icons set, two sockets and a minimal design.

Both products integrate the **Virtual Holder Logic** featured in 9025 switches and thermostats range
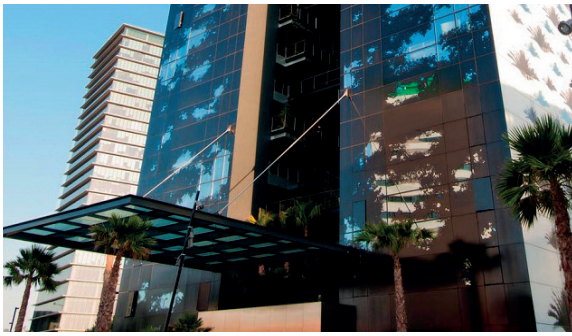
TESORO BLU HOTEL & SPA
KEFALONIA - (GREECE)

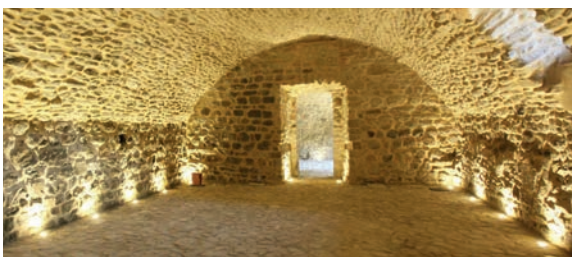WESTIN GOLF RESORT & SPA
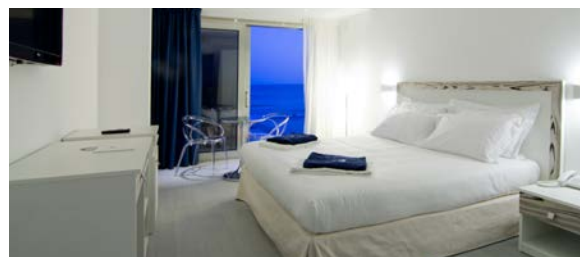ABU DHABI - (UNITED ARAB EMIRATES)

HOTEL CATALONIA FIRA
BARCELONA - (SPAIN)

VOX HOTEL
JONKOPING - (SWEDEN)

CASTELLO DI VARZI
PAVIA - (ITALIA)

HOTEL MIRAMARE
RAGUSA - (ITALIA)

AL RAHA BEACH HOTEL
ABU DHABI - (UNITED ARAB EMIRATES)

CHARMING FOX SAMUI
KOH SAMUI - (THAILAND)

HOTEL INTERSUR RECOLETA
BUENOS AIRES - (ARGENTINA)

RADISSON BLU HOTEL
DOHA - (QATAR)

HOTEL CONDES DE BARCELONA
BARCELONA - (SPAIN)

MONASTERY ESTATE VENETIAN HARBOR
CHANIÁ - (GREECE)