



Hotel Devotion

20
Y

RATIONAL, SECURE AND SCALABLE SOLUTIONS FOR UPSCALE PROJECTS.



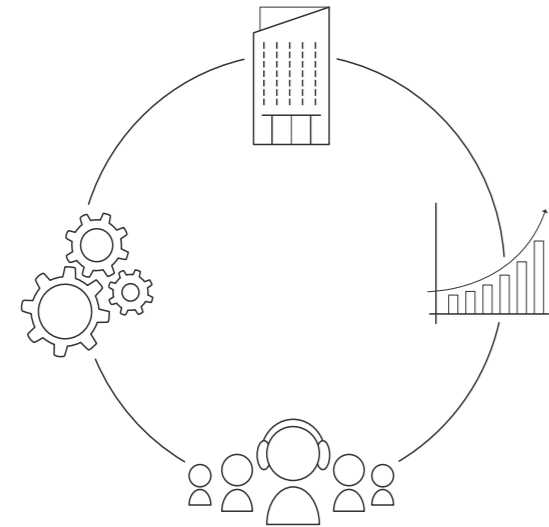
GUEST ROOM MANAGEMENT, PERFECTED.

20 WHY

- 20Y of international expertise
 - 20Y of design
 - 20Y of quality
 - 20Y of research
 - 20Y of technology
 - 20Y of reliability
 - 20Y of business focus
 - 20Y of client comfort
 - 20Y of energy saving
 - 20Y connecting others
 - 20Y of listening to incoming needs
 - 20Y of supervision
 - 20Y around the client
 - 20Y of solution consultancy
 - 20Y of problem solving
 - 20Y assuring return on investments
 - 20Y of customisations
 - 20Y of client satisfaction
 - 20Y of constant evolution
 - 20Y of trust
- 20YEARS OF HOTEL DEVOTION

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.**



OUR SOLUTIONS

INNOVATIVE, INTELLIGENT DEVICES AND TRUSTWORTHY INTEGRATED SYSTEMS

With over **20 YEARS of EXPERIENCE** and everyday learning from hotel operators and managers, **MORE THAN 28.000 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.



GUESTS

Exceptional guest experience

Usability

Memorable comfort & design



FUNCTIONALITY & SAVINGS

SAFETY & COMFORT

EFFICIENCY & SECURITY



HOTEL

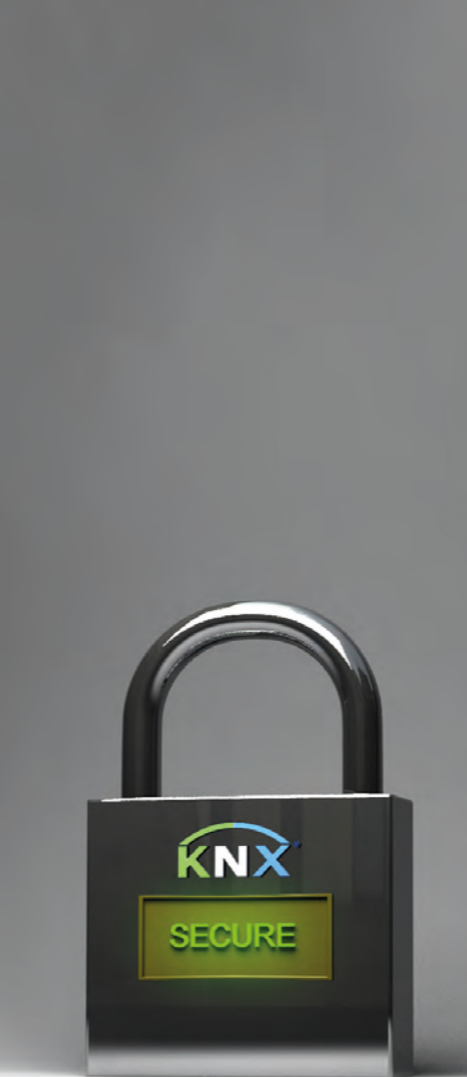
Integration

Reliable technology and investment protection

Scalability

Environmental awareness

Security



PROTECTION & 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.



KNX STANDARD

SIMPLE, COMPLETE, OPEN

KNX is the unique **WORLD STANDARD** for **Home & Building Automation** since **more than 25 years**.

Approved worldwide:

- ✓ European Standard (CENELEC EN50090 e CEN EN 13321-1 and 13321-2)
- ✓ ANSI/ASHRAE Standard (ANSI/ASHRAE 135)
- ✓ International Standard (ISO/IEC14543-3)
- ✓ Chinese Standard (GB/Z 20965)

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

With more than **7.000 Products**, more than **74.000 Partners** and **Service providers** in **164 Countries**, **training centers** in **68 countries**, **KNX** allows hotel operators and constructors for unparalleled flexibility and freedom of choice.



COMPREHENSIVE PRODUCT RANGES

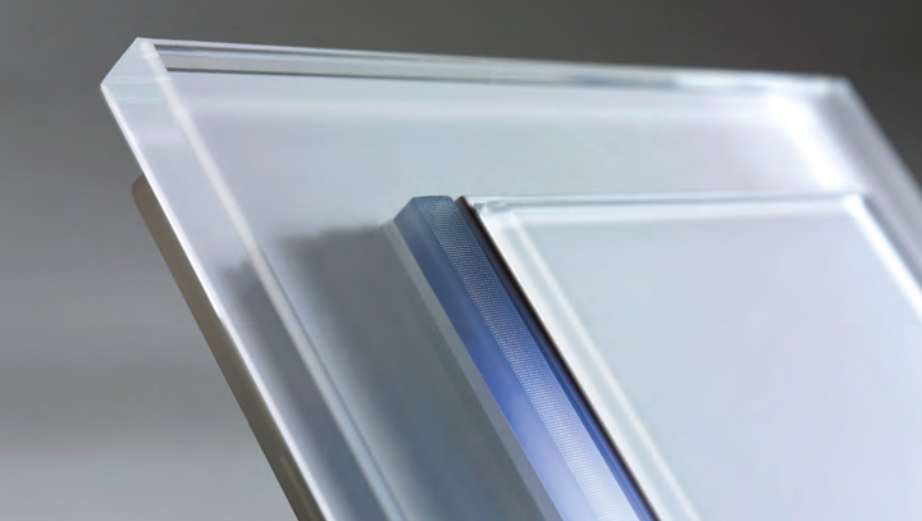
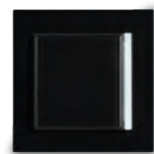
Multiple
MATERIALS



Multiple
DESIGN
OPTIONS



Multiple
INSTALLATION
STANDARDS





GREAT CONTROL

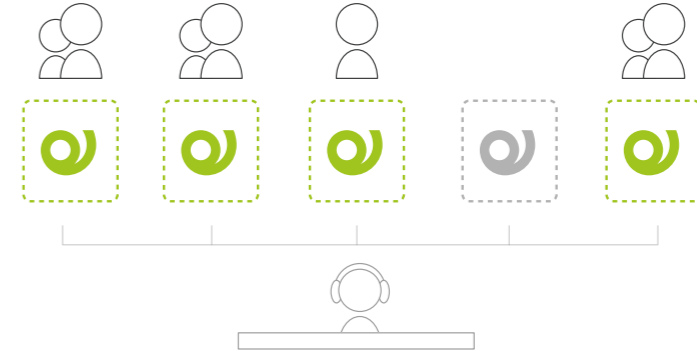
EASY AND EFFICIENT SUPERVISION

Everything can be controlled to suit the activity of the occupant:



- ✓ Lighting control
- ✓ HVAC (Heating, Ventilation and Air Conditioning)
- ✓ Curtains & shutters
- ✓ Scenarios
- ✓ Access control
- ✓ Occupancy management
- ✓ Service management (DND/MUR)
- ✓ Energy saving logics
- ✓ Floor optimization
- ✓ Alarms and reporting

Settings can either be adjusted in the room by the Guest or centrally via the Central management system (Reception).





GUEST ROOM MANAGEMENT, PERFECTED.



Guest experience

Guests are greeted with **comfortable lighting & temperature settings** and enjoy intuitive simple room controls to manage exactly the ambience they want.

Modern style, exclusive design and smart technology give hotels an exclusive atmosphere: controllers for temperature, lighting, shutters and curtains, bedside panel, through elegance & modernity.

The guests can signal, through multiple devices, the need of not being disturbed (DND MODE) or rooms to be cleaned (MUR MODE).

Energy efficiency

Lighting, heating & cooling are controlled by occupancy.

If guest room is unoccupied, **different modes are engaged (eco, off...)** both in lighting & HVAC, differentiating single room status or entire floor managements.

System can differentiate between guests and staff and activate appropriate different lighting scenes as well as enable temperature settings. When the door (or window) is left open for extended periods, **the network report an alarm** and adjustments can be operated.

Scalability

Thanks to **KNX standard technology**, lots of integrations are available on the system. Together with eelectron know-how, different technical requirements can be faced.

KNX flexibility offers the ability to add or reprogram new devices after installation and meet needs to complete **renovations or extensions**.



OCCUPANCY DETECTION

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.

SCALABILITY & 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.)
- ✓ Integration to the most widely used brands and technologies (Modbus, Lon, Bacnet, Johnson Controls®, Honeywell®, Mitsubishi®, Daikin®, Toshiba®, Sanyo®...)

HORIZONE



NETX
AUTOMATION



BUILDING & ROOM MANAGEMENT

Access/Presence Control

Building Supervision

Lighting Management

Staff Management

Energy Management

Climate Control

RECEPTION MANAGEMENT

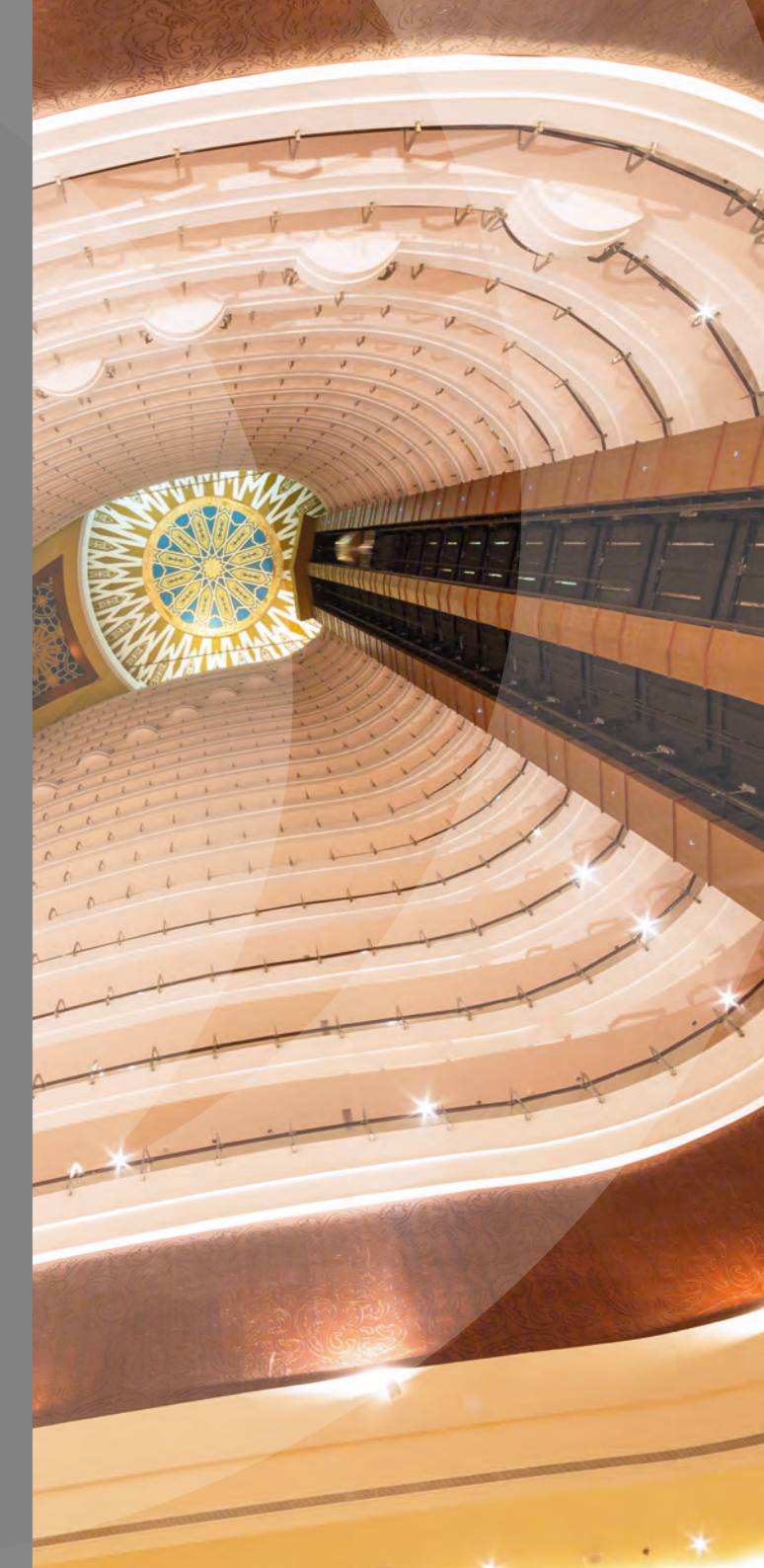
Client / Server on line Architecture

Interface to
electrical on line Door Locks

Interface to
Property Management System Interface
(i.e. Fidelio Opera, etc.)

Interface to
Building Management System
(Bacnet, Modbus, LON, Daikin, Toshiba, LG...)

Redundant servers



Synchronicity

Synchronise events - Synchronise colours



HVAC
ROOM CONTROL



Light, Dim, Music, Shades

MULTIPLE DESIGN OPTIONS
RGB bar for night light,
HVAC status,
DND/MUR status, alarms, etc.



Card Holder
GENERAL ON/OFF



Tablet
CONTROL



**DND MUR Signals,
Door Bell**



INPUTS FOR DOOR SENSOR,
WINDOW SENSOR, SWITCHES

LIGHTS, SHADES,
FANCOIL CONTROL, SHUTTERS,
GENERAL ON/OFF



GUEST ROOM MANAGEMENT, PERFECTED.



Presence detection sensor



HVAC

ROOM CONTROL



Light, Dim, Music, Shades

MULTIPLE DESIGN OPTIONS
RGB bar for night light,
HVAC status,
DND/MUR status, alarms, etc.



Towel heater



Interface door locks to reception
(ie. VingCard®, Kaba®, Salto®)



DND MUR Signals, Door Bell

Room Number
RGB bar for night light, occupied room



Access Control

DND MUR
Card Validity Signals



INPUTS FOR DOOR SENSOR,
WINDOW SENSOR, PRESENCE
DETECTORS, SWITCHES

LIGHTS, SHADES,
FANCOIL CONTROL, SHUTTERS,
GENERAL ON/OFF

ACCESS CONTROL & 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.





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**.



Some of our references worldwide



HOTEL SOFITEL
Singapore City Center - **SINGAPORE**



HOTEL RADISSON BLUE
Doha - **QATAR**



HOTEL TESORO BLU
Kefalonia - **GREECE**



HOTEL WESTING GOLF RESORT SPA
Abu Dhabi - **UNITED ARAB EMIRATES**



HOTEL CATALONIA FIRA
Barcelona - **SPAIN**



HOTEL DE RICCI
Roma - **ITALY**



TRIDENTE HALL OF RESIDENCE
Urbino - **ITALY**



VOX HOTEL
Jonkoping - **SWEDEN**



CASTELLO DI VARZI
Varzi - **ITALY**



CHARMING FOX SAMUI
Koh Samui - **THAILAND**



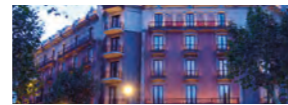
AL RAHA BEACH HOTEL
Abu Dhabi - **UNITED ARAB EMIRATES**



PM HOTELL
Växjö - **SWEDEN**



HOTEL INTERSUR RECOLETA
Buenos Aires - **ARGENTINA**



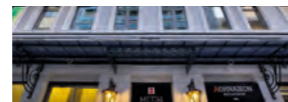
HOTEL CONDES DE BARCELONA
Barcelona - **SPAIN**



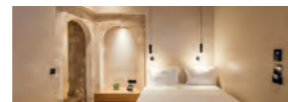
VAN DER VALK HOTEL HEERLEN
Heerlen - **NETHERLANDS**



SOFIA HOTEL BALKAN
Sofia - **BULGARIA**



HOTEL MET34
Athens - **GREECE**



MONASTERY ESTATE VENETIAN HARBOR
Chanià - **GREECE**



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