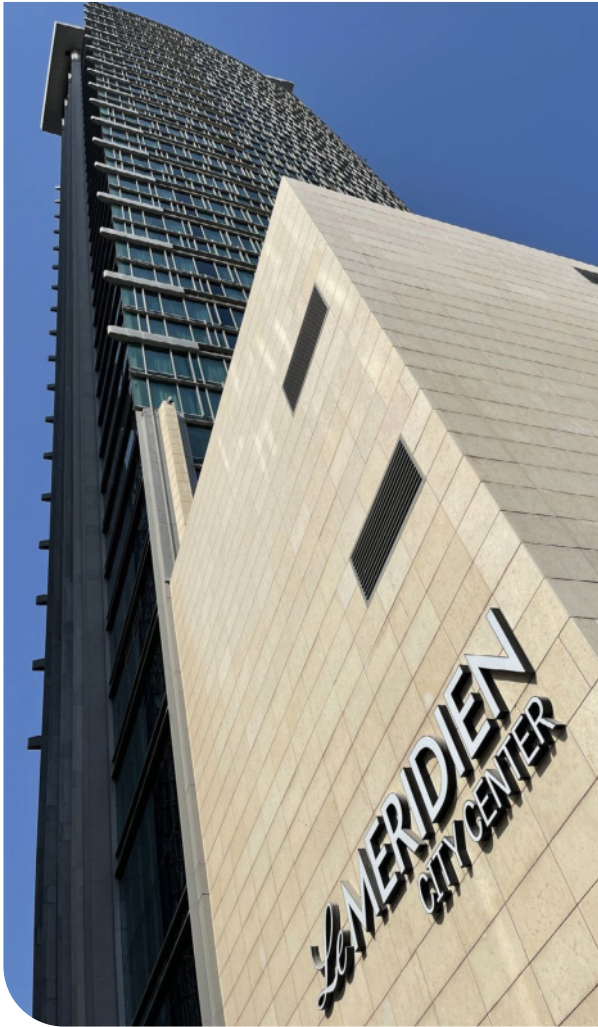


# iNELS Hospitality

for new hotels and retrofits of existing rooms



Selection from references

# EDITORIAL

When I was twenty and freshly trained in electronics, and I engineered my first time relay, I had no idea that today I would be controlling it from a smartphone apps. The dynamic development of IT technologies as well as Internet of Things also permeated a bit later in controlling electrical installations, creating a whole new field called the "Smart Home". What separates us from the competition is not only our flexibility and ready approach to custom modifications, but also the desire to "Always something more!" We invest a substantial part from this into developing systems of intelligent electrical installations. Our iNELS, which either wirelessly or via bus covers now controls several thousand buildings throughout the world. In a few years of hard work of the entire development department we have elevated iNELS to a complex system involving not only the switching of appliances, dimming of lights or control of blinds, but also control of security, HVAC, the camera surveillance system, audio and video distribution - the list goes on...

So right from your smart phone, you can control the washing or coffee machine, the A/C or home theater system. We are a traditional and at the same time innovative purely Czech manufacturer of electronic



devices and we have been your partner in the field of electrical installations for 30 years. Thanks to many years of experience and operation on the electrical market, we have become specialists in electronic modular devices - relays, of which we already produce more than 300 types. Our own production, modern devices, development and research center - all these allows us to direct the development towards the most popular technologies of today, the smart wiring system iNELS. Thanks to the fact that everything is developed and manufactured so-called „in-house“, you can be sure that everything works as it should.

Our technicians, who carry out regular training of





partners, are also helpful to you - whether you are starting out or you have advanced successfully in the field. To be always close to our customers - whether with technical support or a well-stocked warehouse, you will find our branches in 11 branches around the World. In addition, we have steadfast customers in more than 70 countries around the world, and more are constantly being added as the demand for our products grows.

We are honoured that you can be with us.

Jiří Konečný

Founder and CEO of the ELKO EP HOLDING

A handwritten signature in black ink, appearing to read 'Jiri Konecny'.

- ① Training center
- ② Warehouse
- ③ Testing lab
- ④ Research & Development centre
- ⑤ Administration building
- ⑥ Manufacturing hall

# HRESK ROOM RETROFIT

There are approximately 17 million hotel rooms in the world, of which more than 70% are over 10 years old. For all these rooms, which are not equipped with any system that would guarantee comfort for the guest and economic benefit for the hotel operator, HRESK is designed. HRESK is a set of devices that control lighting, temperature and courtesy functions. The communication between these devices is done wirelessly

on a radio-protocol designed for building automation. Wireless communication allows easy installation without cables, saving time, money and also building modifications. HRESK is flexible. All features can be selected or only selected features - for example lighting control - and the rest can be added in later stages.

[www.elkoep.com/retrofit](http://www.elkoep.com/retrofit)



## BENEFITS )))



### Wireless Installation

Our system eliminates the need for extensive cabling by seamlessly integrating thermostats and sensors.



### Rapid Installation

With our wireless solution, installation is swift and hassle-free, promising minimal disruption to your operations.



### Automation

Functions happen automatically in the background without disturbing the guest. An open window sensor blocks the thermostat, a PIR detector controls lighting and temperature.



### Comfort

The main goal of every hotelier is to make the guest feel comfortable. This is helped by high-quality environment regulation and intuitive control, including dimming and the play of light colors.



### Check In/Out

Thanks to integration into a hotel system, it is possible to create a light scene in the room when a guest registers.



### Apparent saving

Anticipate a minimum 25% reduction in energy consumption per room, ensuring a favorable Return on Investment (ROI).

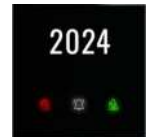
## PRODUCTS )))



Glass touch thermostat



Glass touch controller with local relays



In front door unit



Occupancy detector



Wireless bulb



Switching / Dimming



Window/door detector

# GRMS HOSPITALITY

You'll feel right at home. ELKO EP develops and supplies the third generation iNELS Hospitality system - which means a system according to the latest trends and requirements for design and function. The iNELS GRMS bus system is designed for new hotel rooms and the iNELS HRESK wireless system for existing hotel rooms and retrofits. Regardless of whether it is a new or existing room, the iNELS system offers unlimited possibilities to

configure functions and devices in the hotel room. It is not only possible to customise the design of the controllers to the interior of the room, choosing plastic or natural frames from the wide range of Logus<sup>90</sup> or directly selecting glass or metal controllers.

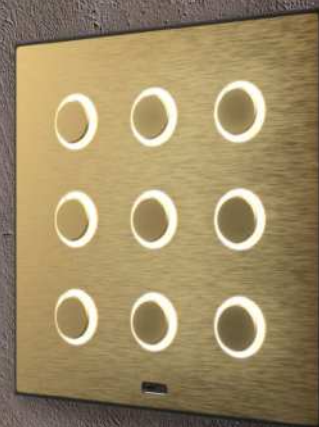
[www.elkoep.com/hospitality](http://www.elkoep.com/hospitality)

**iNELS**



**BUS**

SEE MORE >





## BENEFITS



### Savings

The occupancy presence function ensures that all the lights are switched off and the temperature is reduced to energy-saving mode. This can achieve unprecedented savings throughout the hotel.



### Automation

Functions happen automatically in the background without disturbing the guest. An open window sensor blocks the thermostat, a PIR detector controls lighting and temperature.



### Customization

Thanks to direct source from the manufacturer, you can define colours, shapes, icons or button text, including your hotel logo. We can also prepare factory pre-programmed packages for plug and play use.



### Integration

Cooperation with door locks and hotel reception software is a matter of course. Information about room occupancy, service or cleaning requests is exchanged. Everything happens automatically.



### Design

Whether you choose from the range of natural Logus frames, quality glass panels or luxurious metal buttons, you'll always have the option of colour combinations.



### Versatility

iNELS Hospitality is suitable for all types of hotels, regardless of the number of stars. It can be conveniently expanded or changed at any time. The wireless and fieldbus systems interact with each other.

## PRODUCTS



Central unit



Combo room unit



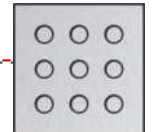
Glass card reader



Glass thermostat



4" touch panel



Metal Controller



Glass Controller



Glass Controller



Bedside glass panel with sockets



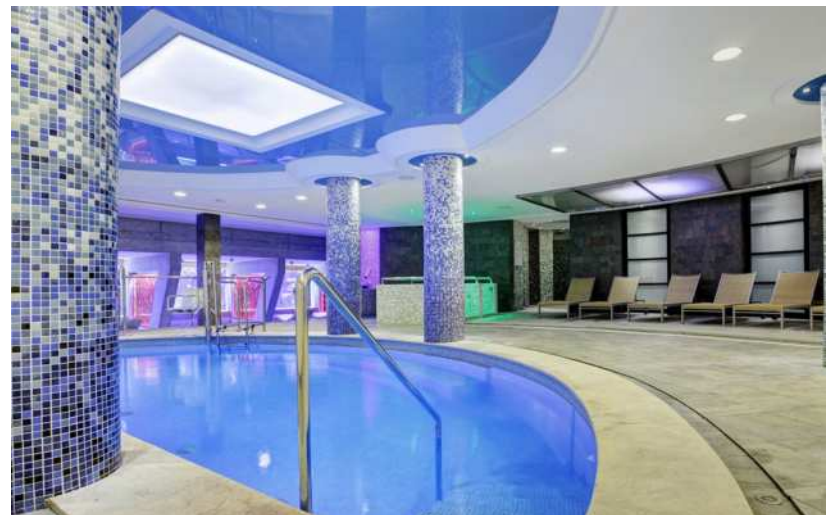
## Isla Mallorca Mallorca, Spain

- 4-star hotel in Palma de Mallorca
- 10 floors, 154 rooms, wellness, bars, restaurant, meeting rooms
- lighting control, HVAC control
  - exit button (switch OFF)

Realization: ELKO EP España

### Controlling

- Appliances control
- Lighting
- DALI integration
- Shutters / Blinds
- HVAC
- GRMS
- Access control system
- Audio / Video
- BMS integration







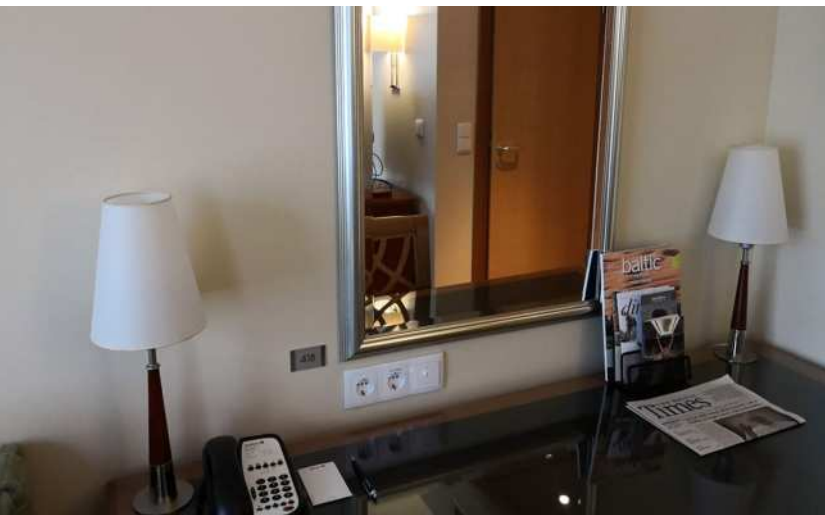
## Radisson Ridzene Hotel Riga, Latvia

- 7 lighting zones integrated in iNELS RF system
- sockets near beds for comfortable staying
- switches with laser-printed icons

Realization: ELKO EP Baltic

### Controlling

- Appliances control
- Lighting
- DALI integration
- Shutters / Blinds
- HVAC
- GRMS
- Access control system
- Audio / Video
- BMS integration





## Marriott Marquis Hotel West bay, Qatar

- Client: ARTIC
- Contractor: ARMITI
- Consultant: ARTIC
- System: ELKO Master Switch Function for Hotel Guest Rooms & Apartments
  - Total Floors: 43
  - Total Room: 450

Realization: ELKO EP & Armiti

### Controlling

- Appliances control ○
- Lighting ●
- DALI integration ○
- Shutters/Blinds ○
- HVAC ○
- GRMS ●
- Access control system ○
- Audio/Video ○
- BMS integration ○





## Marasa Arabia (ST Regis Hotel & Apartments) Qatar

- Client: AL Fardan Group
- Contractor: CDC
- Consultant: DAR
- System: ELKO DIMMING SYSTEM
- Total Room: 366 Apartments

Realization: ELKO EP & Armiti

### Controlling

Appliances control	<input type="radio"/>
Lighting	<input checked="" type="radio"/>
DALI integration	<input type="radio"/>
Shutters/Blinds	<input type="radio"/>
HVAC	<input type="radio"/>
GRMS	<input checked="" type="radio"/>
Access control system	<input type="radio"/>
Audio/Video	<input type="radio"/>
BMS integration	<input type="radio"/>





## Movenpick Hotel

### JLT, United Arab Emirates

- Client: IFA Hotels and Resortd
- Contractor: Drake and Scull, Dubai, UAE
- Consultant: Al gurg Consultants - Dubai, UAE
  - System: GRMS + Lighting Control System
  - Total Floors: 40
  - Total Room: 400

Realization: ELKO EP & Armiti

### Controlling

- Appliances control
- Lighting
- DALI integration
- Shutters/Blinds
- HVAC
- GRMS
- Access control system
- Audio/Video
- BMS integration





## Amwaj Rotana JBR, Dubai UAE

- Client: N/A
- Contractor : N/A
- Consultant: N/A
- System: Energy Saving System
- Total Room: 268

Realization: ELKO EP & Armiti



### Controlling

- |                       |   |
|-----------------------|---|
| Appliances control    | ● |
| Lighting              | ○ |
| DALI integration      | ○ |
| Shutters/Blinds       | ○ |
| HVAC                  | ● |
| GRMS                  | ● |
| Access control system | ○ |
| Audio/Video           | ○ |
| BMS integration       | ○ |



## Le Meridien Hotel & Apartment Dubai UAE

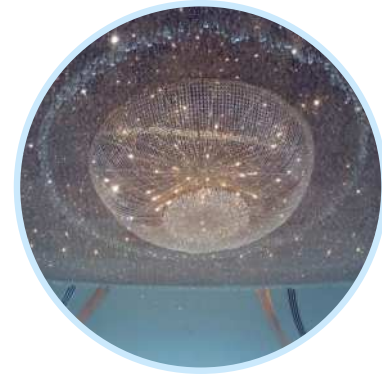
- Client: ARTIC
- Contractor: ARMITI
- Consultant: ARTIC
- System: ELKO Master Switch Function for Hotel Guest Rooms & Apartments
  - Total Floors: 42
  - Guest Rooms: 256
  - Apartments: 171

### Realization: ELKO EP & Armiti Controlling

- Appliances control
- Lighting
- DALI integration
- Shutters/Blinds
- HVAC
- GRMS
- Access control system
- Audio/Video
- BMS integration







## Meydan Dubai, UAE

- lighting control
- crystal chandelier
- starry night sky control
- audio/video system

Realization: ELKO EP Middle East

## Controlling

Appliances control

Lighting

DALI integration

Shutters / Blinds

HVAC

GRMS

Access control system

Audio / Video

BMS integration





## Wyndham Grand Istanbul, Turkey

- lighting control in each room, the common areas, conference rooms and other spaces
- 3000 lighting circuits are controlled through the DALI protocol
  - EMDC units

Realization: ELKO EP Export

### Controlling

- Appliances control
- Lighting
- DALI integration
- Shutters / Blinds
- HVAC
- GRMS
- Access control system
- Audio / Video
- BMS integration





## Merit Royal Premium Kyrenia, Cyprus

- 125 rooms
- complete management of hotel rooms
- scenes: arrival/departure and day/night
- Guest Room Hotel Management System

Realization: ELKO EP Export

### Controlling

Appliances control



Lighting



DALI integration



Shutters / Blinds



HVAC



GRMS



Access control system



Audio / Video



BMS integration







## Cal Reiet Santanyi Mallorca, Spain

- swimming pool technology control
  - fountain control
- Guest Room Hotel Management System

Realization: ELKO EP España

### Controlling

- Appliances control
- Lighting
- DALI integration
- Shutters / Blinds
- HVAC
- GRMS
- Access control system
- Audio / Video
- BMS integration









## Hotel Kempinsky Bayertek Almaty, Kazakhstan

- 5-star hotel in Almaty, Kazakhstan
  - lighting control in public areas
- more than 15 000 lighting are control through the DALI protocol
  - setup scenes

Realization: ELKO EP Export

### Controlling

- Appliances control
- Lighting
- DALI integration
- Shutters / Blinds
- HVAC
- GRMS
- Access control system
- Audio / Video
- BMS integration







## Rocks Hotel & Casino Kyrenia, Cyprus

- 5-star hotel located close to historical city Kyrenia
- the lights are controlled in iNELS system via light panel, USB socket, glass thermostats

Realization: ELKO EP Export

### Controlling

Appliances control



Lighting



DALI integration



Shutters / Blinds



HVAC



GRMS



Access control system



Audio / Video



BMS integration





## Baltazár Boutique Budapest, Hungary

- access card control
- lighting scenes in the restaurant
  - supervision from BMS
  - app available for any guest

Realization: ELKO EP Hungary

### Controlling

- Appliances control
- Lighting
- DALI integration
- Shutters / Blinds
- HVAC
- GRMS
- Access control system
- Audio / Video
- BMS integration





## Pest-Buda Bistro & Hotel Budapest, Hungary

- the oldest hotel of Hungary, which was built in 1696
- 10 rooms with unique luxury equipment with unique copper lamps and unique heating & air-condition
- unique heating and air-condition

Realization: ELKO EP Hungary

### Controlling

- Appliances control
- Lighting
- DALI integration
- Shutters / Blinds
- HVAC
- GRMS
- Access control system
- Audio / Video
- BMS integration







## Lord's Palace Kyrenia, Cyprus

- 5-star hotel
- lighting control in the restaurant, conference hall, parking, wellness and corridors

Realization: ELKO EP Export

### Controlling

- Appliances control
- Lighting
- DALI integration
- Shutters / Blinds
- HVAC
- GRMS
- Access control system
- Audio / Video
- BMS integration





## Best Western Premier Brno, Czech Republic

- 4-star hotel in Brno
- lighting scenes in the restaurant, reception, wine shop and exterior
- app available for any guest

Realization: iNELS Czech Republic

### Controlling

- Appliances control
- Lighting
- DALI integration
- Shutters / Blinds
- HVAC
- GRMS
- Access control system
- Audio / Video
- BMS integration





## Three sons and daughter Skhidnicya, Ukraine

- 179 fully automated rooms powered on iNELS
- automation of lighting, heating, card readers
- realization of functions master - button, don't disturb

Realization: ELKO EP Ukraine

### Controlling

- Appliances control
- Lighting
- DALI integration
- Shutters / Blinds
- HVAC
- GRMS
- Access control system
- Audio / Video
- BMS integration







## Alexandrovskiy Odessa, Ukraine

- 25 rooms with fully automation and dispatching
- integration with Samsung central conditioning

Realization: ELKO EP Ukraine

### Controlling

Appliances control



Lighting



DALI integration



Shutters / Blinds



HVAC



GRMS



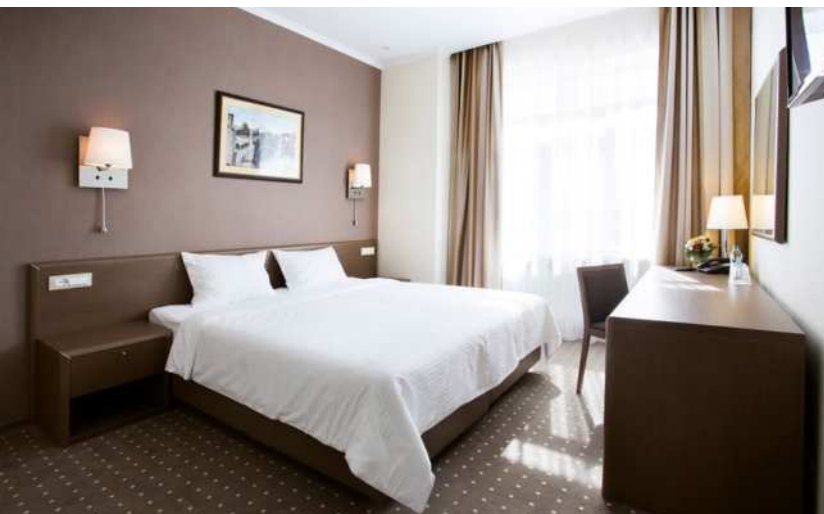
Access control system



Audio / Video



BMS integration





### Headquarters

ELKO EP Holding SE, Czech Republic



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