

iNELS for everything,
everywhere

Selection of references



www.inels.com

Smart Home & Building electro-installations

The new industrial branch Smart electro-installation has been developing by quantum leaps in recent years. ELKO EP has kept a careful eye on these trends, and with them in mind, it has introduced the iNELS system to the market. Through its wide-ranging versatility, it covers contemporary requirements for intelligent electrical installations for various sized buildings: from apartments to family homes, villas and hotels to factories.

In this brochure, you will find a selection of over 10,000 installations that iNELS has performed in its existence. References are thematically grouped based on type of building. It is not a complete listing, but offers inspiration. It includes apartments, homes, villas and hotels, but also commercial and historical buildings.

www.inels.com/about-us





Apartment & House



Hotel



Commercial



Showroom



Relays



All under one roof



APARTMENT & HOUSE

Owners of existing apartments and houses in which electrical installations already exist need not worry. We have prepared for them an iNELS wireless version – RF Control. As the name implies, it functions wirelessly, so there is no need to install or rearrange cabling. The wireless iNELS includes functions for controlling appliances, dimming lights, timing for shutters and blinds and heat regulation.

For larger houses and villas, we recommend the sys-

tem iNELS BUS. The basis of the structure is a communications data cable, a so-called bus, by which all sensors, controllers and performance elements in the home are connected. The advantage is not only in the amount of functions that the bus brings, but also the option of integrating third-party devices: video cameras, kitchen appliances, devices for heating, air-conditioning, heat pumps, solar systems, photo voltaic systems, energy management and much more.



Benefits



Security

The built-in alarm not only watches for burglars, but also for gas leaks or fires.



Savings

By proper regulation of the temperature and linkage of home technologies, you can achieve substantial savings.



Automation

All functions take place in the background without bothering you. The system monitors, regulates,..



Design

Glass touch controllers in white or black stand out in any interior.



Remote monitoring

Whether you are at home or away, your home remains under the constant control of your smartphone.





Apartment Prague, Czech Republic

- private cinema
- 10 dimm, 35 switch lights
- sauna, whirlpool

Realization: iNELS Czech Republic

Controlling

Appliances control
Lighting / Dimming
Appliances switching
Shutters / Blinds
HVAC
GRMS
Cameras
Intercom
Audio / Video





Apartment Prague, Czech Republic

- 6 dimm, 25 switch lights
- shutters, curtains
- individual heating control

Realization: iNELS Czech Republic

Controlling

Appliances control
Lighting / Dimming
Appliances switching
Shutters / Blinds
HVAC
GRMS
Cameras
Intercom
Audio / Video





Tegra House Vilnius, Lithuania

- wood passive house
- ventilation and shielding control
- camera system

Realization: ELKO EP Export

Controlling

Appliances control
Lighting / Dimming
Appliances switching
Shutters / Blinds
HVAC
GRMS
Cameras
Intercom
Audio / Video
Irrigation





House on the roof

Liptov, Slovakia

- dimming the lights
- use tablet to control all attractions at the house
- when motion registers, the system triggers both light and sound effects
 - helicopter model in 1:1 scale

Realization: ELKO EP Slovakia

Controlling

Appliances control
Lighting / Dimming
Appliances switching
Shutters / Blinds
HVAC
GRMS
Cameras
Intercom
Audio / Video
Irrigation





Villa Nebušice, Czech Republic

- luxury villa in Nebušice, elaborated to the smallest detail
- the system is built on BUS solution: lighting control, air conditioning, sockets, blinds, camera

Realization iNELS Czech Republic

Controlling

Appliances control
Lighting / Dimming
Appliances switching
Shutters / Blinds
HVAC
GRMS
Cameras
Intercom
Audio / Video
Irrigation





Villa Brno, Czech Republic

- integrate security system
- 10 dimm, 35 switch light
 - sauna, whirlpool
 - home appliances

Realization: iNELS Czech Republic

Controlling

Appliances control
Lighting / Dimming
Appliances switching
Shutters / Blinds
HVAC
GRMS
Cameras
Intercom
Audio / Video
Irrigation





Hissen Al Outoum Amman, Jordan

- 3rd party device integration
 - flood sensors
 - GSM communicator
- photovoltaic energy station control

Realization: ELKO EP Export

Controlling

Appliances control
Lighting / Dimming
Appliances switching
Shutters / Blinds
HVAC
GRMS
Cameras
Intercom
Audio / Video
Irrigation





Villa Dubai, UAE

- garden irrigation
- home appliance integration
- intercom and LARA

Realization: ELKO EP Middle East

Controlling

Appliances control
Lighting / Dimming
Appliances switching
Shutters / Blinds
HVAC
GRMS
Cameras
Intercom
Audio / Video
Irrigation





Villa Piņki, Lithuania

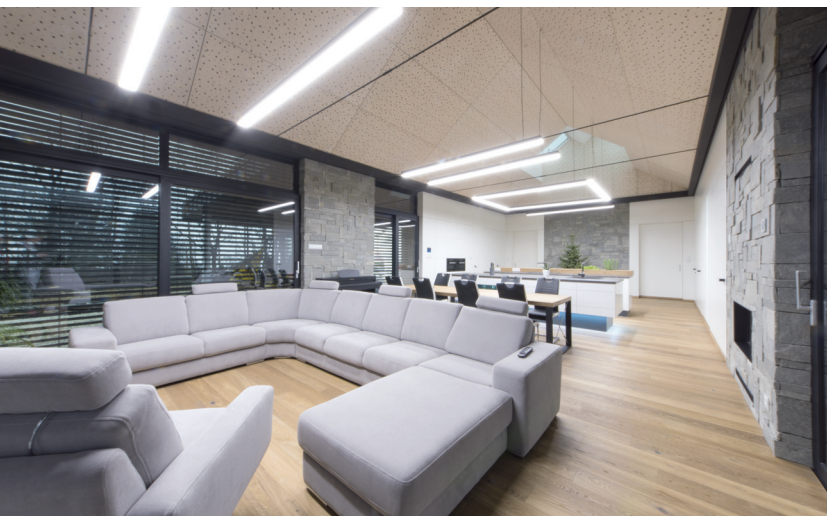
- 2 floors, garage, sauna and 3 bedrooms
 - 15 Dimmable Lighting zones,
8 wireless controllers, phone controlling functionality.
- lighting automation cycles to make lights automatically turn off
- variety of laser-printed icons on controllers to make it easy for the client to understand each button's purpose.

Realization: ELKO EP Export

Controlling

- Appliances control
- Lighting / Dimming
- Appliances switching
- Shutters / Blinds
- HVAC
- GRMS
- Cameras
- Intercom
- Audio / Video





Villa Beskydy Mountain, Poland

- iNELS bus system
- dimming light and lighting scenes
 - fully controlling SPA area
 - shutters, meteostation
- temperature and humidity control
- remote by tablet, smart phones and EST3

Realization: ELKO EP Poland

Controlling

- Appliances control
- Lighting / Dimming
- Appliances switching
- Shutters / Blinds
- HVAC
- GRMS
- Cameras
- Intercom
- Audio / Video



HOTEL

In recent years, iNELS has been developed for horizontal control of technologies not only for hotels, but also for apartment houses, office buildings and everywhere it is necessary to resolve separate access of current residents, as well as their comfort.

iNELS in the form of GRMS (Guest Room Hotel Management System) enables not only control of lighting, air-conditioning or room access, but

also control of music or television. All of this occurs from the central touch panel in designs of clear plastic, wood, metal, stone or luxurious glass touch panels. A standard service we offer is customization – a description of symbols applied by laser onto plastic or glass controllers based on specification.

www.inels.com/hotel



Benefits



Adjust to guest

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



GRMS

Guest Room Hotel Management System.



Comfort

The combination of automatic illumination based on motion and central control of the room.



Do Not Disturb

Guests can very easily signal if they want the room cleaned, or do not want to be disturbed.



Master off/ Energy saver

When the guest leaves, the system automatically disconnects all electrical appliances





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 Blu 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





Hotel Claude Marbella Marbella, Spain

- modernization of 7 luxury rooms
- room scenes, automatic lighting
- controlling by using glass readers and card holders

Realization: ELKO EP España

Controlling

Appliances control
Lighting / Dimming
DALI integration
Shutters / Blinds
HVAC
GRMS
Cameras
Intercom
Audio / Video





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





Wyndham Grand Istanbul, Turkey

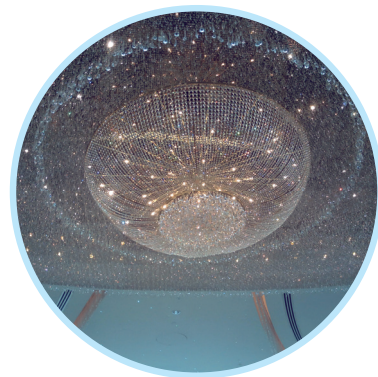
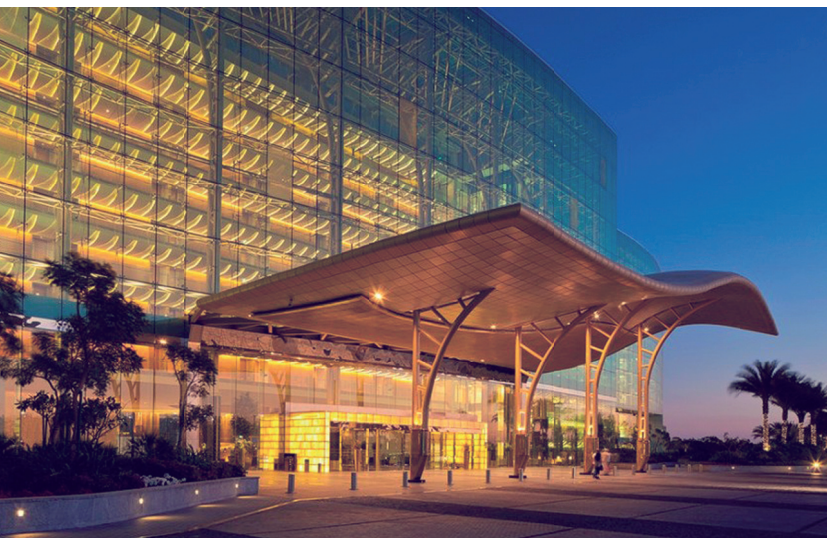
- lighting control in each room, the common areas, conference rooms and other spaces
- 3000 lighting circuits are controlled through the DALI protocol
 - EMDC units

Realization: ELKO EP Export

Controlling

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





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





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





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





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



COMMERCIAL

iNELS finds more and more application in the wide sphere of commercial buildings – stores, offices, restaurants, hospitals, but also in historical buildings or manufacturing halls.

Though it is most frequently used to control lighting and HVAC, you will find iNELS projects using an access system, shading control, a video camera security system or distribution of audio/video.

The main emphasis is placed on problem-free operation of the building, efficient energy use and operations security. iNELS meets these needs to the fullest.

www.inels.com/commercial



Benefits



Connection to BMS

iNELS can easily be connected to a Building Management System.



Energy saving

Appropriate regulation saves costs in building operation in terms of heating, cooling, water heating, etc.



Automation

Guests can very easily signal if they want the room cleaned, or do not want to be disturbed.



Access system

Based on access rights, the system controls employee and visitor access to various parts of a building.



Versatility

The system is suitable for installing in large and small commercial buildings alike.





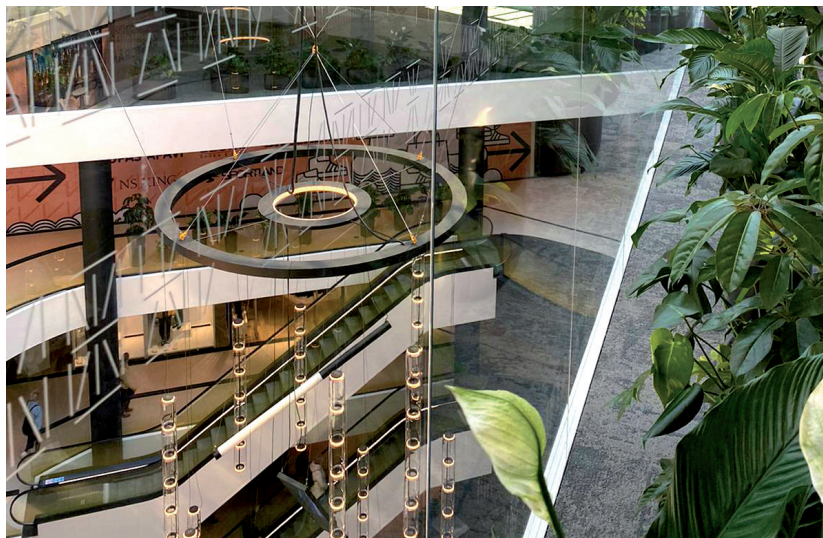
Origo One Riga, Latvia

- technical and decorative lighting
- sockets and switches - all in Logus⁹⁰ design line

Realization: ELKO EP Baltic

Controlling

Appliances control
Lighting / Dimming
DALI integration
Shutters / Blinds
HVAC
GRMS
Cameras
Intercom
Audio / Video





Narva castle

Narva, Estonia

- lighting and dimming control, DALI
 - control with glass controllers
- elements chosen so it does not interrupt the interior design of the castle

Realization: ELKO EP Baltic

Controlling

Appliances control
Lighting / Dimming
DALI integration
Shutters / Blinds
HVAC
GRMS
Cameras
Intercom
Audio / Video





Teslux Hodonín, Czech Republic

- a company engaged into the production of technical lights
- the technology is based on iNELS BUS system

Realization: iNELS Czech Republic

Controlling

- Appliances control
- Lighting / Dimming
- DALI integration / DMX integration
- HVAC
- Monitoring centre
- Energy management
- Audio / Video
- Cameras
- Access control





Xenex Žilina, Slovakia

- lighting control
- heating control HVAC
- cameras, alarm, access

Realization: ELKO EP Slovakia

Řízení

Appliances control
Lighting / Dimming
DALI integration
Lighting / Dimming
HVAC
GRMS
Access control
Energy management
Audio / Video





Megasport arena Moscow, Russia

- hockey arena, mostly used by the famous Dynamo Moscow hockey club
 - control of 150 lighting zones
 - dimming control

Realization: ELKO EP Russia

Controlling

Appliances control

Lighting / Dimming

DALI integration / DMX integration

Automatic scenes

HVAC

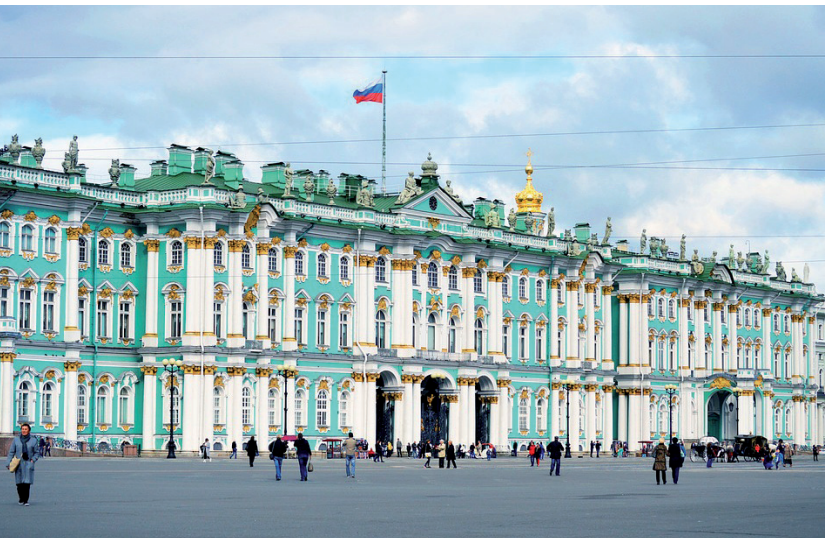
GRMS

Monitoring center

Energy management

Audio / Video





Hermitage

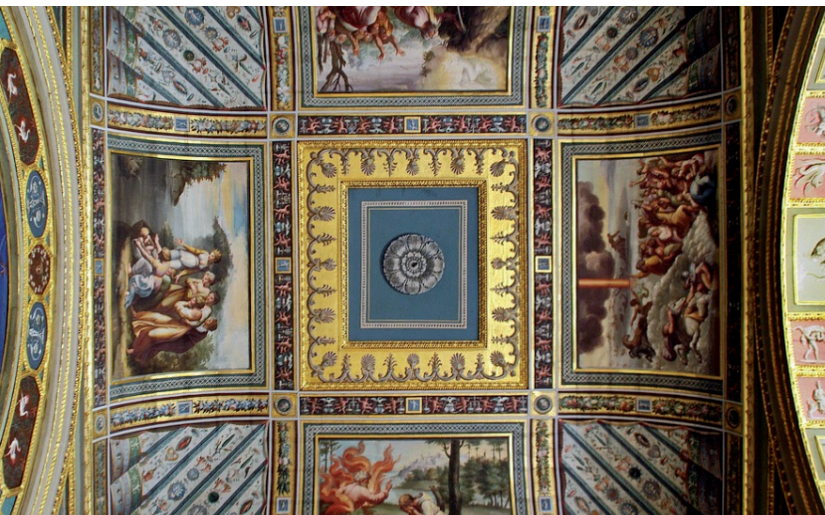
St. Petersburg, Russia

- one of the world's most famous museums, based in St. Petersburg
- dimming of selected zones with DIM-6

Realization: ELKO EP Russia

Controlling

- Appliances control
- Lighting / Dimming
- DALI integration / DMX integratio
- Automatic scenes
- HVAC
- GRMS
- Monitoring center
- Energy management
- Audio / Vide





Buddha Palace Thimphu, Bhutan

- lighting control of historical interior sections
- scenes light according to visitor presence
- security system

Realization: ELKO EP Export

Controlling

Appliances control
 Lighting / Dimming
 DALI integration / DMX integration
 Automatic scenes
 HVAC
 GRMS
 Monitoring center
 Energy management
 BMS integration





Bodorka Aquarium Balatonfüred, Hungary

- you can meet „face-to-face” with all the fishes of the region
- iNELS controls all the lighting
- speciality: there are no switches on the walls at all. Every light can be controlled via the 2 mounted tablets

Realization: ELKO EP Hungary

Controlling

Appliances control

Lighting / Dimming

DALI integration / DMX integration

Automatic scenes

HVAC

GRMS

Monitoring center

Energy management

BMS integration





The City of Prague Museum

Prague, Czech Republic

- audio-visual effects management
 - light scenes
- scenes based on presence

Realization: iNELS Czech Republic

Controlling

- Appliances control
- Lighting / Dimming
- DALI integration / DMX integration
- Automatic scenes
- HVAC
- GRMS
- Energy management
- BMS integration
- Audio / Video





House at the Golden Ring Prague, Czech Republic

- audio-visual effects management
- light scenes

Realization: iNELS Czech Republic

Controlling

- Appliances control ●
- Lighting / Dimming ●
- DALI integration / DMX integration ●
- Automatic scenes ●
- HVAC ●
- GRMS ●
- Energy management ●
- BMS integration ●
- Shutters / Blinds ●





Magyar State Opera Budapest, Hungary

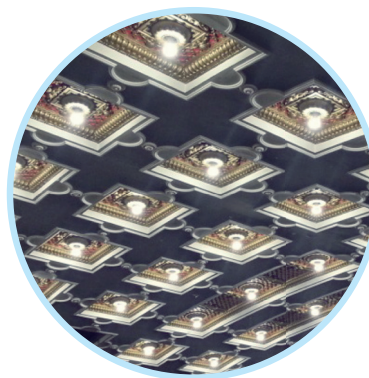
- every additional lighting source is also controlled by iNELS system. The devices here are controlled by RF Touch.
- for switching the RFSA-11B and RFSA-66M is used.

Realization: ELKO EP Hungary

Controlling

- Appliances control
- Lighting / Dimming
- DALI integration / DMX integration
- Automatic scenes
- HVAC
- GRMS
- Monitoring center
- Energy management
- BMS integration





Cinema Corvin Budapest, Hungary

- 6 movie theaters
- DALI control LED matrix (800 lighting fixtures)
- projection scenes
- heating and A/C control

Realization: ELKO EP Hungary

Controlling

- Appliances control
- Lighting / Dimming
- DALI integration / DMX integration
- Automatic scenes
- HVAC
- GRMS
- Energy management
- BMS integration
- Audio / Video





Alancha Besiktas Istanbul, Turkey

- complex lighting control
 - audio system
- HVAC and heating pump

Realization: ELKO EP Export

Controlling

Appliances control
Lighting / Dimming
DALI integration / DMX integration
Automatic scenes
HVAC
GRMS
Monitoring center
Energy management
Audio / Video





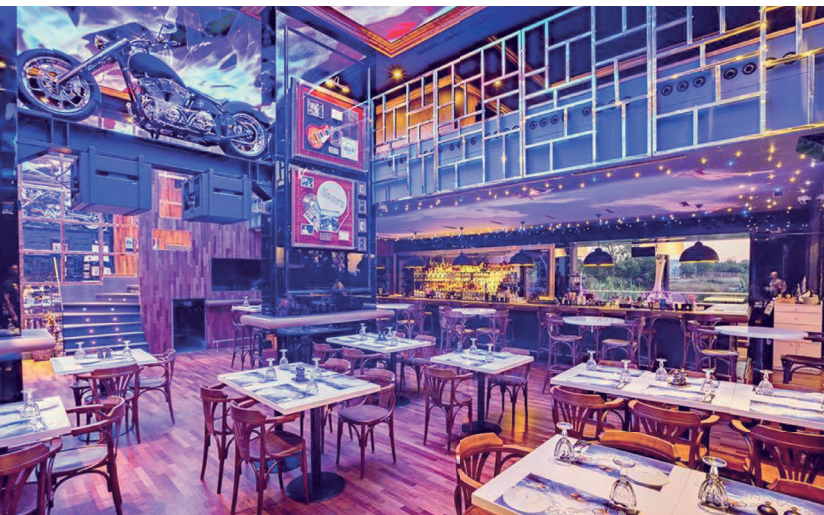
Roxanne's Bar Nicosia, Cyprus

- operation of atmosphere lights
 - lighting scenes
 - promo Video zones

Realization: ELKO EP Export

Controlling

- Appliances control
- Lighting / Dimming
- DALI integration / DMX integration
- Automatic scenes
- HVAC
- GRMS
- Monitoring center
- Energy management
- Audio / Video





Literary café Cabinet Lviv, Ukraine

- a favourite spot for relaxing with a local buffet
- a pleasant atmosphere is induced by a variety of dimmable zones and sound quality controlled by multifunctional LARA units

Realization: ELKO EP Ukraine

Controlling

- Appliances control
- Lighting / Dimming
- DALI integration / DMX integration
- Automatic scenes
- HVAC
- GRMS
- Energy management
- BMS integration
- Audio / Video





Jamie's Italian Restaurant Budapest, Hungary

- iNELS BUS System is controlling lighting and terrace-cooling/heating
- high voltage neon signs, lighting control

Realization: ELKO EP Hungary

Controlling

- Appliances control
- Lighting / Dimming
- DALI integration / DMX integration
- Automatic scenes
- HVAC
- GRMS
- Monitoring center
- Energy management
- BMS integration





Sunseeker yacht Mallorca, Spain

- data processing and weather station information
- controlling of the air temperature in
 - the boat and outdoors (sea, etc.)
 - entry security
 - lighting control

Realization: ELKO EP Spain

Controlling

Appliances control
 Lighting / Dimming
 DALI integration / DMX integration
 Automatic scenes
 HVAC
 GRMS
 Monitoring center
 Energy management
 BMS integration





Moni's Jewelry Budapest, Hungary

- jewelry shop in the heart of Budapest
- unique jewelry & Forever Mark diamonds

Realization: ELKO EP Hungary

Controlling

- Appliances control
- Lighting / Dimming
- DALI integration / DMX integration
- Automatic scenes
- HVAC
- GRMS
- Monitoring center
- Energy management
- Audio / Video





Hospital Kroměříž, Czech Republic

- LARA serves as communicator for bringing people in the individual hospital departments
- serves as an internal communication between Nurse and Patient

Realization: iNELS Czech republic

Controlling

Appliances control

Lighting / Dimming

DALI integration / DMX integration

Automatic scenes

HVAC

GRMS

Monitoring center

Energy management

BMS integration





Svet zdravia Michalovce, Slovakia

- 8 operating rooms with LARA
- DLNA settings communicating with Logitech Media server
- LARA serves as internal communication between Nurse and Patient

Realization: ELKO EP Slovakia

Controlling

- Appliances control
- Lighting / Dimming
- DALI integration / DMX integration
- Automatic scenes
- HVAC
- GRMS
- Monitoring center
- Energy management
- Audio / Video





IKEM

Prague, Czech Republic

- 6 operating rooms with LARA
- power supply from LAN cables, built-in amplifier
- easy touch pannel

Realization: iNELS Czech Republic

Controlling

Appliances control

Lighting / Dimming

DALI integration / DMX integration

Automatic scenes

HVAC

GRMS

Monitoring center

Energy management

Audio / Video





M-Gate clinic Pardubice, Czech Republic

- modern clinic with a specialization in plastic surgery
 - lighting scenes and heating is controlled by iNELS systems
- implementation completed in June 2018

Realization: iNELS Czech Republic

Controlling

| | |
|------------------------------------|---|
| Appliances control | ○ |
| Lighting / Dimming | ● |
| DALI integration / DMX integration | ○ |
| HVAC | ● |
| GRMS | ○ |
| Monitoring center | ○ |
| Energy management | ○ |
| Audio / Video | ○ |





Nikola Tesla Prague, Czech Republic

- 8 apartments
- LARA Intercom
- lighting control

Realization: iNELS Czech Republic

Controlling

Appliances control
Lighting / Dimming
Appliances switching
Shutters / Blinds
HVAC
GRMS
Cameras
Intercom
Audio / Video





Promeko Olomouc, Czech Republic

- 27 apartments, 4 commercial
- heating, shutters, HVAC control
- video door-phone, intercom
- motion detectors and automatic light intensity in the communal areas

Realization: iNELS Czech Republic

Controlling

Appliances control

Lighting / Dimming

DALI integration / DMX integration

Automatic scenes

HVAC

GRMS

Monitoring center

Energy management

BMS integration





Office center Amman, Jordan

- over 100 offices
- access and attendance system
- shading according to sunshine
- A/C OFF when window open

Realization: ELKO EP Export

Controlling

- Appliances control
- Lighting / Dimming
- DALI integration / DMX integration
- Automatic scenes
- HVAC
- GRMS
- Energy management
- BMS integration
- Blinds





Hyundai Nošovice, Czech Republic

- 736 pcs LED High Bay within retrofitted lighting
- central control DALI ballast via EDMC
- control of each zone from the touch panel via app

Realization: iNELS Czech Republic

Controlling

Appliances control



Lighting / Dimming



DALI integration / DMX integration



Automatic scenes



HVAC



GRMS



Monitoring center



Energy management



Access control





BMW Showroom Moscow, Russia

- LED tray lighting control according to the outside twilight
 - fire system
- security: detectors, cameras

Realization: ELKO EP Russia

Controlling

Appliances control

Lighting / Dimming

DALI integration / DMX integration

Automatic scenes

HVAC

GRMS

Monitoring center

Energy management

Access control





Ferrari Showroom Dubai, UAE

- lighting control in cooperation with Preciosa Lighting

Realization: ELKO EP Middle East

Controlling

- Appliances control ●
- Lighting / Dimming ●
- DALI integration / DMX integration ●
- Automatic scenes ●
- HVAC ●
- GRMS ●
- Monitoring center ○
- Energy management ○
- BMS integration ○



SHOWROOM

iNELS was developed not only for technology management in prefabricated and family houses, but also in large buildings.

However, the questions still remains: which technology is suitable for you. How to find out best what will fit your apartment or office the most? Visit one of our showrooms, where our trained staff will advise

you on which solution is the most suitable for you. You can see and try all our products in three Prague showrooms, one in Holešov and also one in sunny Ibiza. Learn about technologies that can make life more pleasant wherever you are.



Benefits



Interactivity

You can try all the solutions offered by us yourself.



All together

In our showrooms you will find the solutions and products offered as a whole.



Professional staff

Anything you don't understand or need to know, you just have to ask.



Easy accessibility

Showrooms are located in larger cities in the Czech Republic and their numbers will continue to increase.





iNELS Café Prague, Czech Republic

- fusion of smarthome showroom
- from each table it is possible to control some features and setup the site via an iPad
- 4 tables with 32" full screen touch glass with special app
 - individual 15 m² iNELS showroom

Realization: iNELS Czech Republic

Controlling

- Appliances control
- Lighting / Dimming
- DALI integration / DMX integration
- Automatic scenes
- HVAC
- GRMS
- Monitoring center
- Energy management
- Audio / Video
- Blinds
- Access control





Living showroom Praha, Česká republika

- designed residential showroom about 36 m²
- control units are part of the interior
- stage connection with projection and visitor needs
- audio/video system built-in

Realization: iNELS Czech Republic

Controlling

- Appliances control
- Lighting / Dimming
- DALI integration / DMX integration
- Automatic scenes
- HVAC
- GRMS
- Monitoring center
- Energy management
- BMS integration
- Audio / Video





New Living Center Prague, Czech Republic

- New Living Center is a place for architects, designers, developers, but also for every design lover
- the whole concept is conceived as a standard living space with smart control
- exhibition of design frames LOGUS⁹⁰

Realization: iNELS Czech Republic

Controlling

- Appliances control
- Lighting / Dimming
- DALI integration / DMX integration
- Automatic scenes
- HVAC
- GRMS
- Monitoring center
- Energy management
- Audio / Video
- Blinds
- Access control





Ibiza Showroom

Ibiza, Spain

- 7 luxury rooms and common areas-modernization
- control using glass controllers, room scenes, automatic lighting
- control using glass card readers, card holders and electric curtain control

Realization: ELKO EP España

Controlling

Appliances control



Lighting / Dimming



DALI integration



Shutters / Blinds



HVAC



GRMS



Cameras



Intercom



Audio / Video

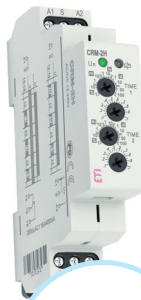




Relays

ELKO EP is a world leader in the field of electronic relays development and manufacturing used in residential and industrial electro-installations. We offer more than 200 types of relays that can be produced under well-known

OEM brand names. We develop and implement products according to customer specifications as well as launch new products under brand names.



All under one roof



2nd position
in Europe

274
EMPLOYEES

11
BRANCHES OVER
THE WORLD

10 000
INELS INSTALLATION

66
EXPORTING COUNTRIES

12 000 000
MANUFACTURED PRODUCTS

WE ARE



DEVELOPERS

In the new R&D center, more than 30 engineers develop new products and extend the functionality of existing products.



PRODUCERS

Modern antistatic spaces, 2x fully automated SMD production lines, 2 shift operations.



SUPPORT

24 hours / 7 days / 360 days we not only provide technical support but also logistics.



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