

iNELS for everything, everywhere

Selection of references



www.inels.com

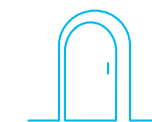
iNELS®

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 5,000 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



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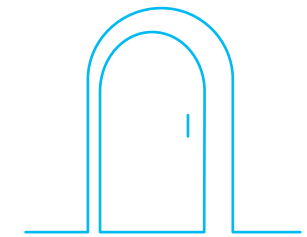
FLAT & APARTMENT

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. There is truly little in the way of structural modifications, depending only on the original electrical installation.

The wireless iNELS includes functions for controlling appliances, dimming lights, timing for shutters and blinds and heat regulation. Classic and touch controllers are available in modern designs, and there are applications for smart phones for comfortable control - whether you are at home or away.



www.inels.com/apartment



Benefits



No demolition

The installation requires no structural alterations.



Flexibility

The ability to move the wireless switch anywhere is a real advantage. Are you moving?



Schedule

Up to five adjustable time programs can be defined in a single day.



Scenes

With a single button it is possible to activate multiple commands at once



Expandable

The system can easily be expanded to include new units and functions..



Apartment Prague, Czech Republic

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



Realization: iNELS Czech

Controlling

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



Nikola Tesla Prague, Czech Republic

- 8 apartments
- LARA Intercom
- lighting control

Realization: iNELS Czech

Controlling

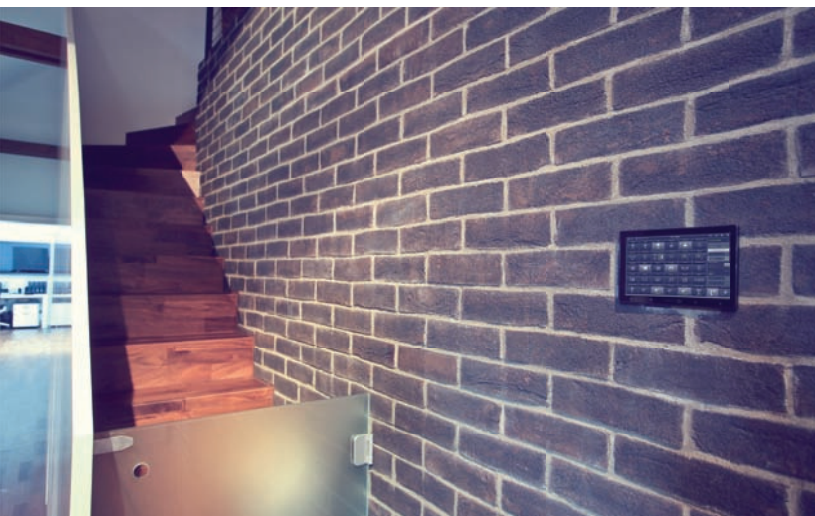
- Appliances control
- Lighting / Dimming
- Appliances switching
- Shutters / Blinds
- HVAC
- GRMS
- Cameras
- Intercom
- Audio / Video





Apartment Prague, Czech Republic

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



Realization: iNELS Czech

Controlling

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



Apartment Prostějov, Czech Republic

- wireless control
- lights
- home appliance integration



Realization: iNELS Czech

Controlling

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



VILLA & HOUSE

For larger houses and villas, we recommend the system 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 bus is terminated in the central unit in the switchboard, through which settings are made on how these units will work. 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.



www.inels.com/villa



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.



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



Villa Brno, Czech Republic

- 10 LARA Intercom
- swimming pool control
- 24 dimm, 48 switch light
- shutters, blinds
- HVAC - recuperation



Realization: iNELS Czech

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

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





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



Mahmoud Jaber Amman, Jordan

- 24 rooms
- HVAC complex control
- iNELS Multimedia with 18 zones
- LARA, Intercom, Video door phone
- garden irrigation control



Realization: ELKO EP Export

Controlling

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





Villa Veľký Lapáš, Slovakia

- self-suffi-cient passive house
- outside blind control according to sunshine
- solar and photovoltaic system integration
- 3 heating pumps and storage tank control

Realization: ELKO EP Slovakia

Controlling

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



Villa Hlušovice, Czech Republic

- indoor and outdoor control lighting, sockets for TV, lamps and roller blinds
- control via GSM - opening the front door via door opener
- management of irrigation

Realization: iNELS Czech

Controlling

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



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, the natural materials wood, metal, stone or luxurious glass touch panels. A standard service we offer customers 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 then leaves, the system automatically disconnects all electrical appliances



Marriott Marquis Doha, Qatar

- 5-star hotel in the Doha City center
- 44 floors, 397 rooms, 182 suites, 18 meeting rooms
- lighting control
- HVAC control
- master switch OFF

Realization: ELKO EP Export

Controlling

Appliances control



Lighting



DALI integration



Shutters / Blinds



HVAC



GRMS



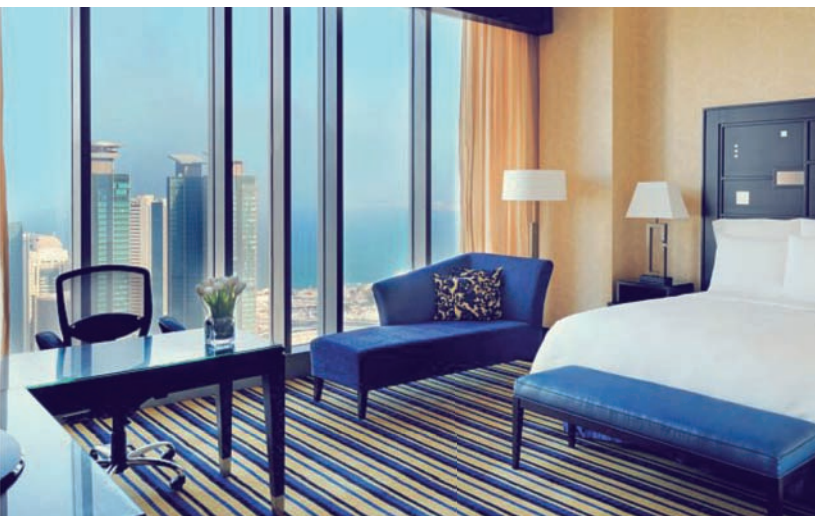
Access control system



Audio / Video



BMS integration



Movenpick Dubai, UAE

- 255 rooms, 230000 sq, 530 units, 1600 light circuits
- control appliances, lights
- HVAC control
- garage doors, sockets

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



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

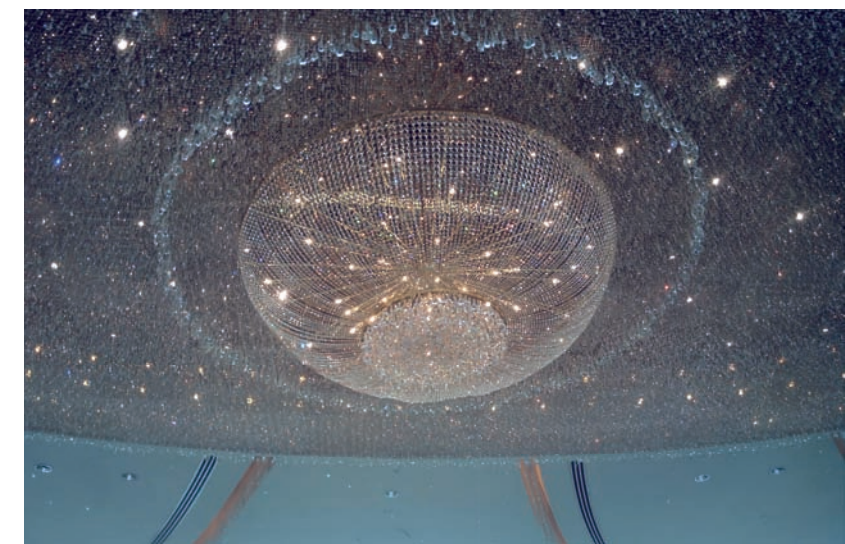
HVAC

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



Farm Motel Poříčí, Czech Republic

- lights scenes
- heating control
- blinds



Realization: iNELS Czech

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.



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

Controlling

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



Office building Uherské Hradiště, Czech

- 3 floors, 30 offices
- energy saving building
- automatic lighting control
- HVAC and elevator integration

Realization: iNELS Czech

Controlling

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





Wellness center Petrovice, Czech Republic

- 47 dimming, 63 switching circuits
- management of 30 m of RGB strips
- control, ceramic loungers, SPA, swimming pools



Realization: iNELS Czech

Controlling

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



Night club Inflagranti Ibiza, Spain

- lighting control for interior and exterior
- 500 m of RGB LED strips
- audio system



Realization: ELKO EP España

Controlling

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





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



Cinema Corvin Budapest, Hungary

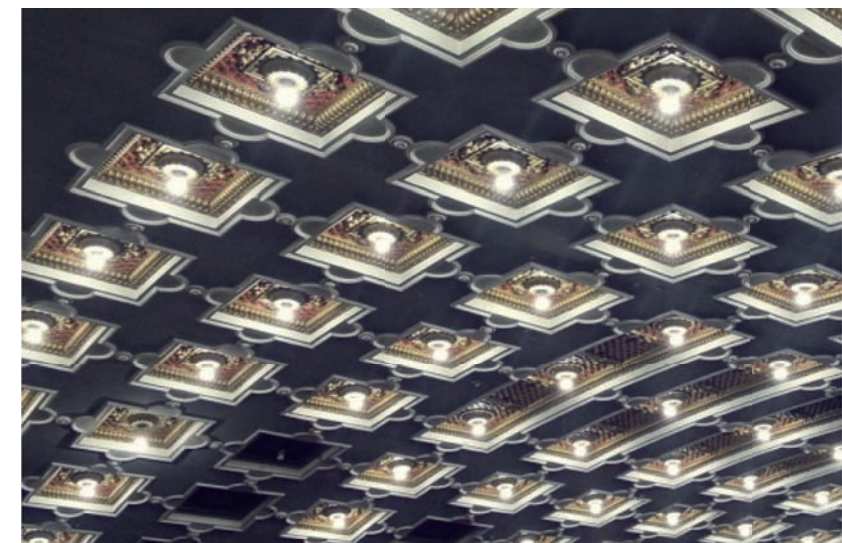
- 6 movie theaters
- DALI control LED matrix (800 lighting fixtures)
- projection scenes
- heating and A/C control



Realization: ELKO EP Hungary

Controlling

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





iNELS Café Prague, Czech Republic

- fusion of smarthome showroom and gastronomy bistro
- 70 seats in the 450 m² space
- 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

Controlling

Appliances control ●

Lighting / Dimming ●

DALI integration / DMX integration ●

Automatic scenes ●

HVAC ●

GRMS ●

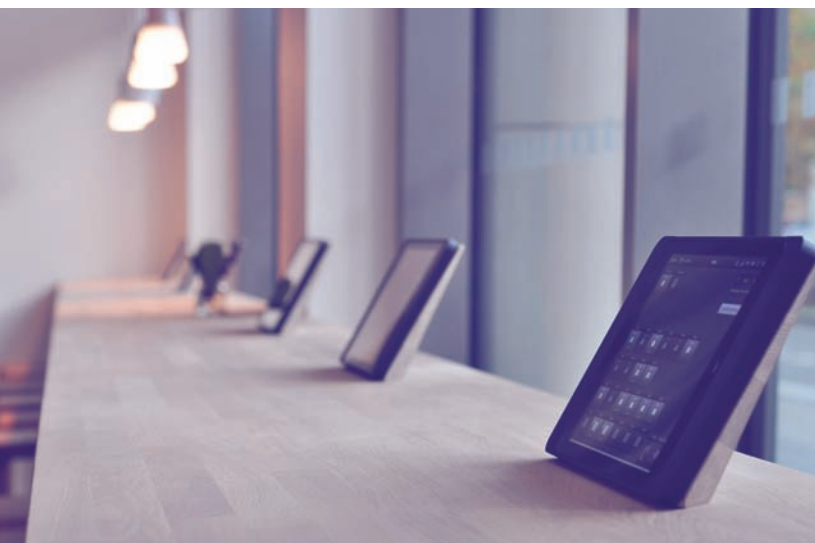
Monitoring center ●

Energy management ●

Audio / Video ●

Blinds ●

Access control ●



The center of living Kaštanová Brno, Czech Republic

- 14 showrooms, 40 offices
- 200 dimming lights circuits
- DALI control of 45 circuits in the training room
- iNELS Multimedia

Realization: iNELS Czech

Controlling

Appliances control ●

Lighting / Dimming ●

DALI integration / DMX integration ●

Automatic scenes ●

HVAC ●

GRMS ●

Monitoring center ●

Energy management ●

Audio / Video ●

Blinds ●

Access control ●





Chateau Holešov, Czech Republic

- control (switch / dimm) of interior lighting
- touch panels
- fire alarm systems



Realization: iNELS Czech

Controlling

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



House of Jan Hus Husinec, Czech Republic

- reconstructed in 2015, now, museum and exhibition
- exhibit lighting control, scenes
- control from touch panels

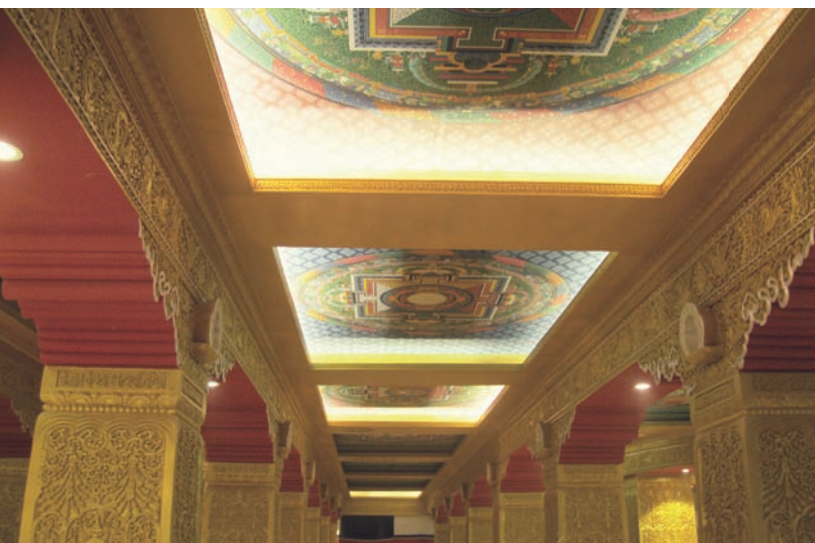


Realization: iNELS Czech

Controlling

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





Buddha Palace Bhutan, India

- 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



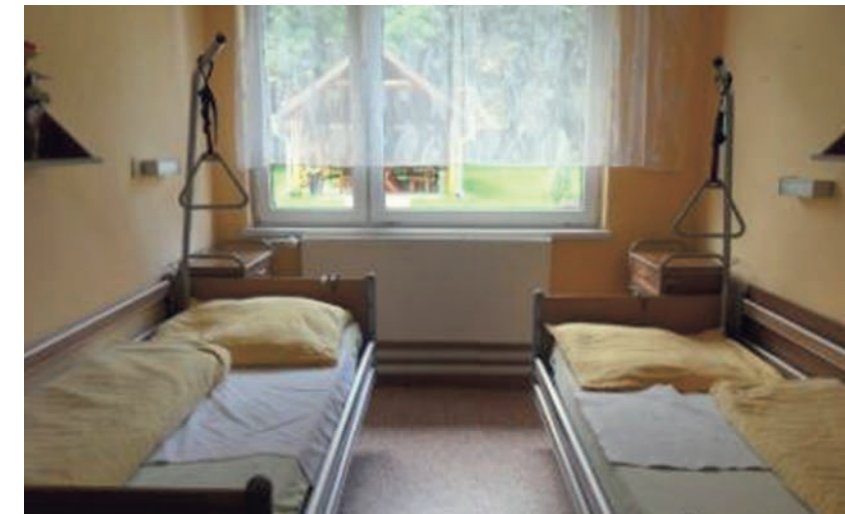
Retirement home Karviná, Czech Republic

- 40 rooms and 2 common areas
- lighting control according to outside ambient level
- central and individual heating control in each room
- client - nurse system integration

Realization: iNELS Czech

Controlling

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





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





Johnny Rockets Nicosia, Cyprus

- LED lighting system control
- reservation system
- features controlled from the touch panel

Realization: ELKO EP Export

Controlling

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



Office building Alza.cz Prague, Czech Republic

- individual intensity level for each office
- lighting intensity level according to ambient twilight
- HVAC and shading

Realization: iNELS Czech

Controlling

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





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



Euroauto Holubice, Czech Republic

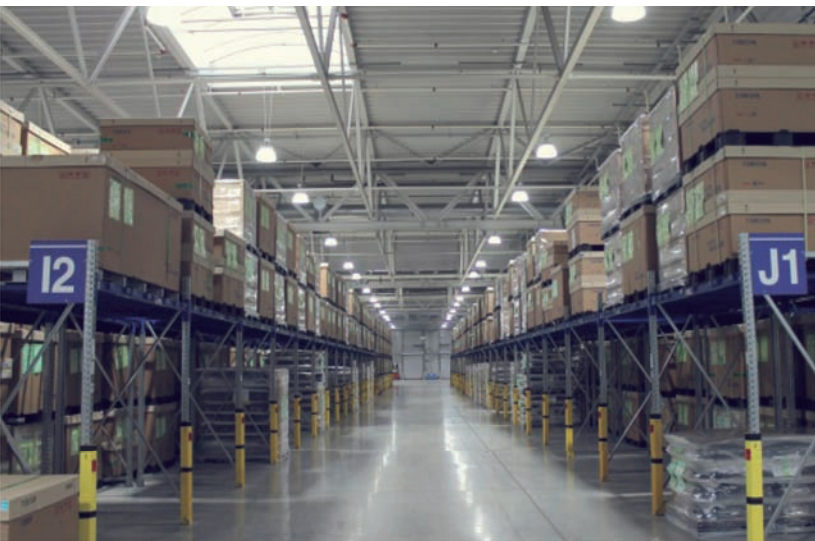
- LED light control
- HVAC
- security: detectors, cameras

Realization: iNELS Czech

Controlling

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





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

Controlling

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



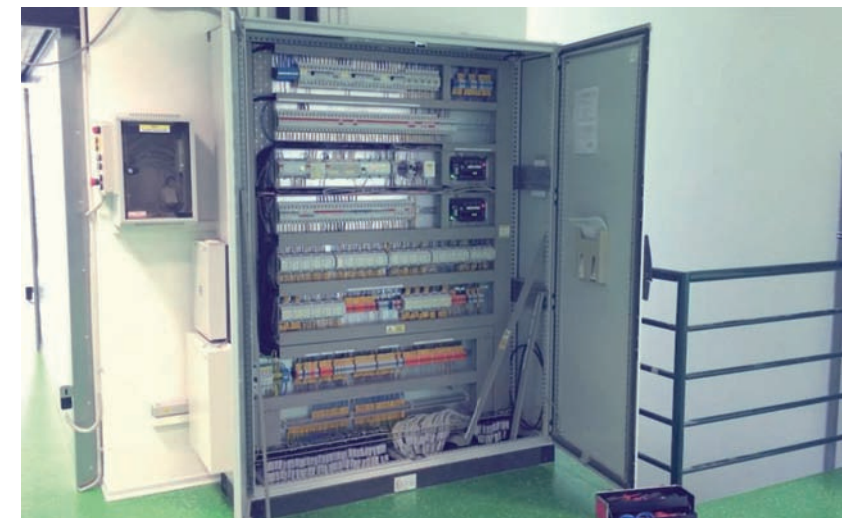
Velkoobchod KVETA Trenčianske Stankovce, Slovakia

- industry lights control by DALI
- elevators and loading ramp control
- heating and ventilation control

Realization: ELKO EP Slovakia

Controlling

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





Retail

Do Your Smart Home Yourself

iNELS also includes 7 types of Smart Kits, which are thematically configured and preset so that ordinary users or hobbyists can handle their connection.

Selection of references:



www.euronics.com



www.datart.cz



www.bauhaus.cz



www.castorama.pl



www.nedis.com



www.emaxme.com



Eshop

The Easiest Way To Smart World

In addition to brick-and-mortar stores, the Smart Kits also started selling in specialized e-shops.

Selection of references:



www.alza.cz



www.inelskits.com



www.sferis.pl



www.icover.ru



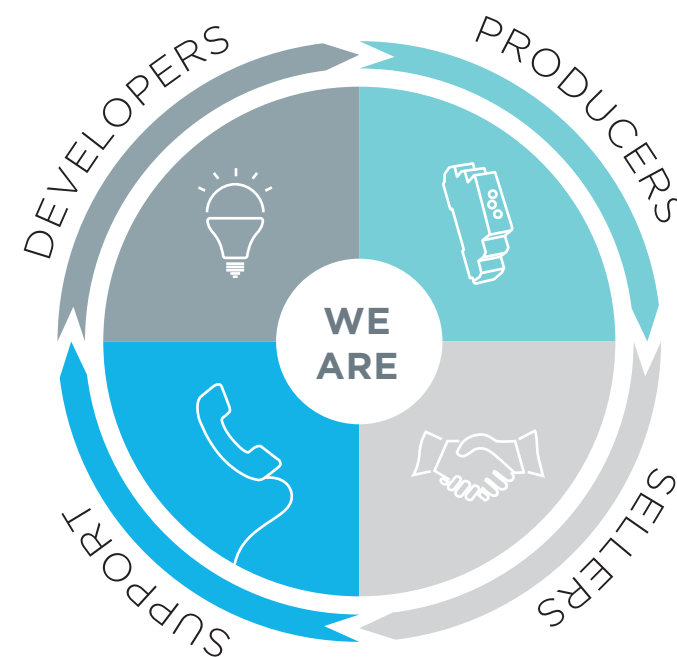
Relays

ELKOEP is a world leader in the field of electronic relays development and manufacturing used in residential and industrial electro-installations. We offer more than 150 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.



Facts and Stats



10
BRANCHES
OVER THE WORLD

70
EXPORTING
COUNTRIES

300
EMPLOYEES

5 000
iNELS INSTALLATION

12 000 000
MANUFACTURED PRODUCTS

ELKO EP Holding



www.elkoep.com