Smart System Solution

Building automation system

Flat   House   Building   Hotel

iNELS®

ELKO EP

We are traditional, innovative and purely Czech development manufacturer of electronic devices. We have been your partner in the field of electroinstallations for 28 years.

ELKO EP employs about 330 people, exports its products to more than seventy countries, and has representatives in fifteen foreign branches. Company of the Year of the Zlín Region, Visionary of the Year, Global Exporter of the Year, Participation in the Czech TOP 100, these are just some of the awards received. Still, we are not finnished. We are constantly striving to move forward in the field of innovation and development. That's our primary concern.

Millions of relays, thousands of satisfied customers, hundreds of our own employees, twenty seven years of research, development and production, fifteen foreign branches, one company. ELKO EP, innovative Czech company based in Holešov, where development, production, logistics, service and support go hand in hand. We primarily focus on developing and manufacturing systems for building automation in the residential, commercial and industrial sector, a wide range of Smart city facilities and the so-called Internet of Things (IoT).

A PROFESSIONAL
SOLUTION FOR EVERYONE

Savings
The main reason to make the decision: You will demonstrably save tens of percent costs. For heating, electricity and appliance optimization.

Safety
The system protects you not only from uninvited guests, but also against potential threats to the house or office, thanks to constant monitoring.
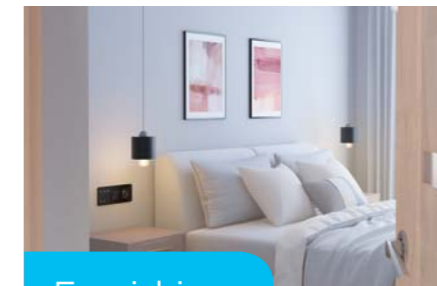
Comfort
It's just cool. You can control everything by mobile phone, voice or remote control. In addition, the smart house caters to you - it learns from your data and preferences.

Smart house / Smart building

Partial installation

It includes only what is needed: lighting, heating, blinds, gates ...

Furnishings

It allows you to enhance any space: with wall controllers, detectors or a smart application.

Family house

Fully under your control. Secure, economical, efficient and convenient.

Apartment building

Automation, savings and comfort. All this is offered by our complete hotel solution.

Hotel

Functionally equipped from the basement to the roof. For tenants a pleasure to live in.

Commercial buildings

Automation, savings and comfort. All this is offered by our complete hotel solution.

THE BEST POSSIBLE SOLUTION

EXACTLY FOR YOUR APARTMENT, HOUSE OR OFFICE

A smart house can handle many routine tasks for you. It controls heating, optimizes lighting comfort, takes care of appliances, secures the building from the outside and inside. It will save you a lot of money and even your nerves. It can set everything itself based on the data, but it is always you who control everything.
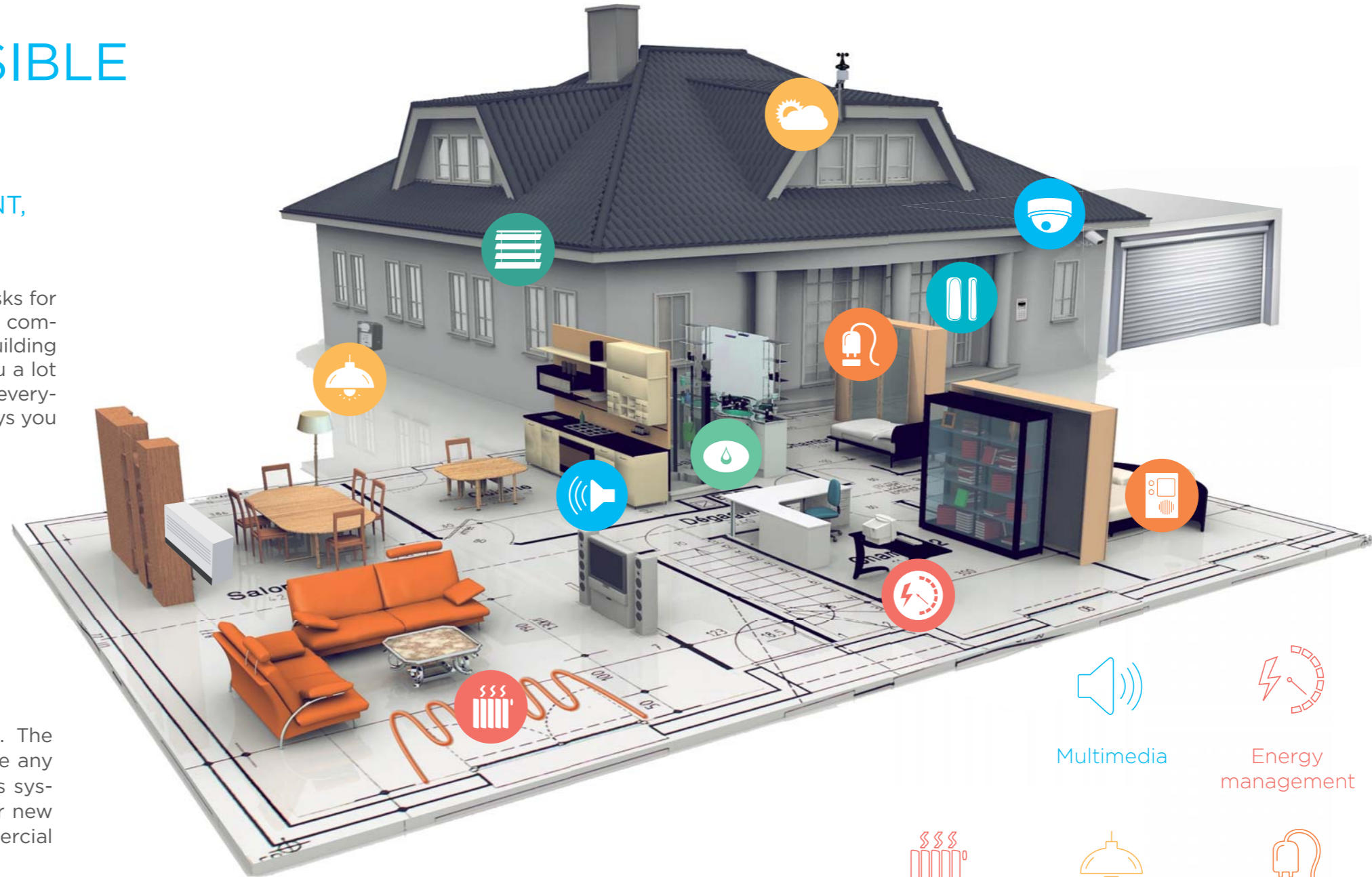
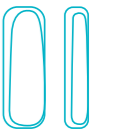## WITH WIRING OR WITHOUT? IT'S JUST FOR YOU.

Each of the variants has its advantages. The iNELS RF wireless system does not require any construction modifications. The iNELS bus system offers more options and is perfect for new buildings, larger buildings, hotels or commercial buildings.

Camera

Blinds, shutters

Safety

Intercom

Multimedia

Energy management

Weather station

Heating, cooling

Lighting

Switching

Flood detector

Advantages of the wireless variant of iNELS RF Control

- quick installation without construction modifications
- placement of buttons and control panels, anywhere
- smart RF box for central control
- remote control or mobile application

iNELS® RF Control

iNELS® BUS System

Advantages of the iNELS BUS System

- extended range of functions, including integration of third-party systems
- camera systems and intercom
- air conditioning, heat pumps, photovoltaics and solar systems
- special components and multimedia systems

YOU HAVE IT UNDER CONTROL

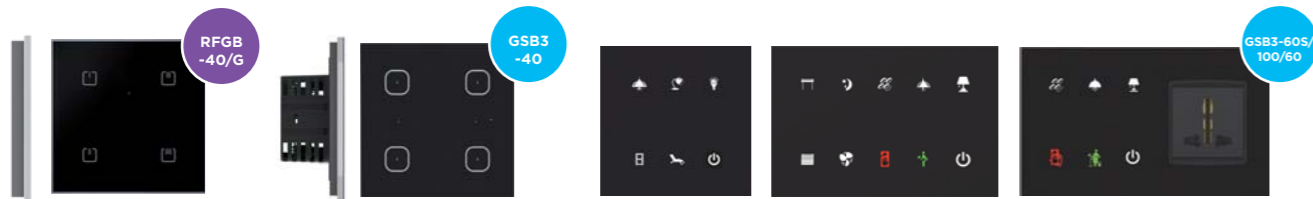Control the house in many ways, which can also be freely combined.

Switches and controls:

In a modern design and with many colour combinations. In an economical plastic and touch glass variant.

On-wall button controllers

RFWB-40/G · WSB3-40 · RFWB-20/G

Glass switches button

RFGB-40/G · GSB3-40 · GSB3-60S/100/60

Touch panels:

Control a wide range of units from one place - whether home lighting or room temperature.
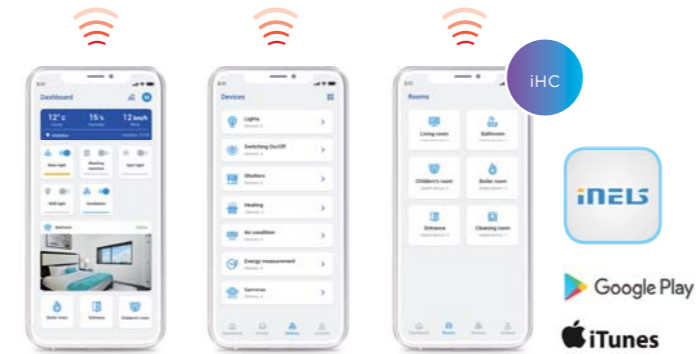

RF TOUCH EST · RF TOUCH EST

Remote control:

Everything can be controlled via a full-fledged remote control or for example, in the form of a simple key fob.
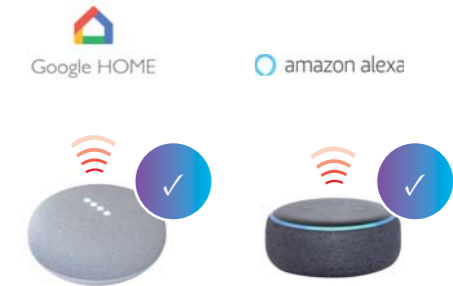

RF PILOT · RF KEY

iNELS application:

iNELS application with the possibility of intuitive operation and modern design is available for mobiles and tablets.

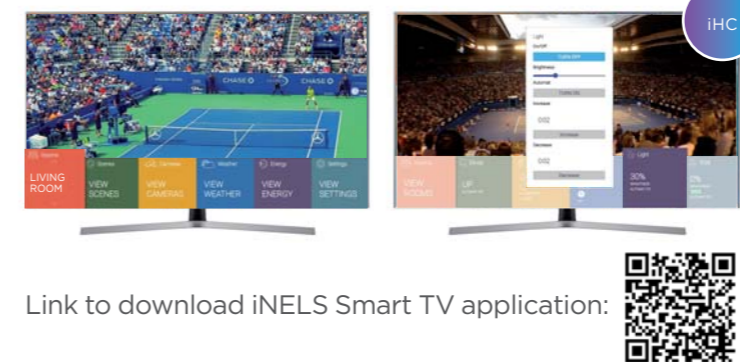iHC · iNELS · Google Play · iTunes

TV applications:

Television is no longer just used to watch television programs - now we can use it to control our household.

iHC

Link to download iNELS Smart TV application:

Building Management Applications (BMS):

iNELS is fully compatible with these applications, which are used to monitor the operation of the entire system, receive alarms and notifications or evaluate historical data and graphs.

CONRAD CONNECT · FLOWBOX · ELKO CLOUD · API

Voice control:

Whatever you want, just say it. Our system is fully integrated with Google Home or Amazon Alexa.

Google HOME · amazon alexa

Smart watch:

Switching appliances, dimming lights and controlling blinds can now also be controlled using a watch.

iHC

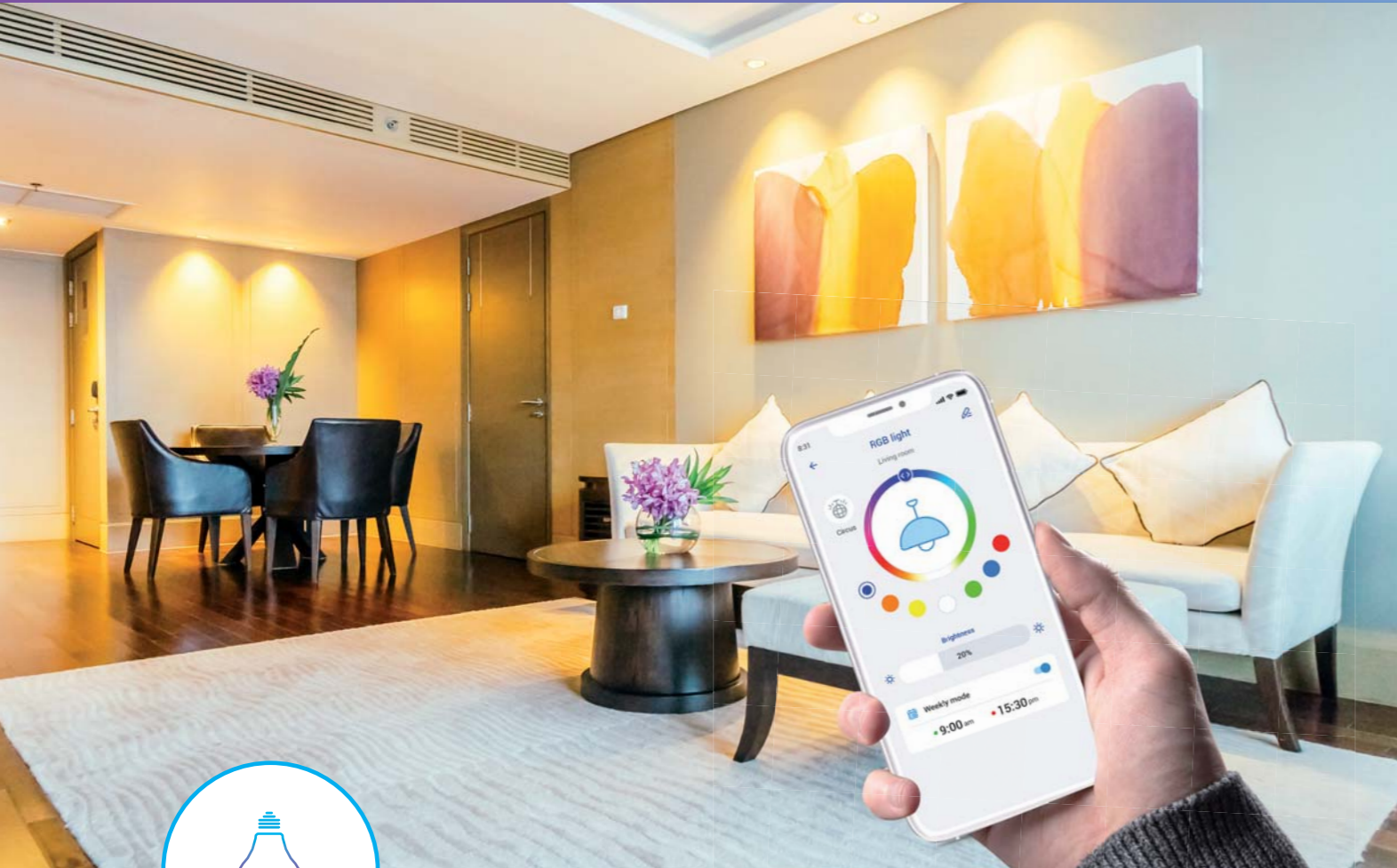● works on iNELS RF Control　　● works on iNELS BUS System

● works on iNELS RF Control　　● works on iNELS BUS System

LIGHTING

One touch and great savings

Set the correct mode for each room. So you don't pay for rooms where there is no one. Light comfort where you need it.

What you will appreciate:

- intensity setting and control (dimming function)
- setting light scenes
- automatic lighting according to the intensity of outdoor light
- lighting based on motion detection
- presence simulation
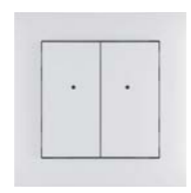
On-wall button controller	Glass touch controller
Universal dimmer	Control unit with touch screen

Classic bulb · LED bulb · Halogen spot · LED spot · Communication protocol · Energy saving bulb · Strip, 1-colour · RGB strip

BLINDS CONTROL, SHUTERS

Light, warmth, safety

Controlled shading brings light and temperature comfort to living rooms and offices. Automatic adjustment of blinds and shutters depending on sunlight and temperature saves you time and energy.

What you will appreciate:

- automatic mode depending on sunlight and temperature
- significant time and energy savings
- possibility of time schedules
- simple operation with buttons
- presence simulation

On-wall button controller	Glass touch controller
Control unit with touch screen	RF Key

HEATING REGULATION, VENTILATION AND AIR CONDITIONING

Lower energy bills

Do you want to achieve the right thermal comfort and optimize energy consumption? You can automatically control the temperature in the interior based on a time schedule or the presence of people and identify scenarios. e.g. open windows, no unnecessary heating.

What you will appreciate:

- automatic temperature control according to a time schedule or the presence of people
- identification of open windows and unnecessary overheating
- quick temperature setting function
- zone setting of heating and air conditioning
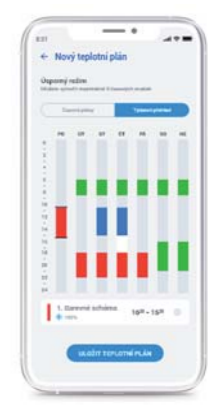- remote heating control function

Heating

Ventilation

Air conditioning

Wireless thermodrive

Temperature controller

Control unit with touch screen

Glass room thermo-regulator

ENERGY MEASUREMENT

Expenditure under control

All the data on your consumption is always available. It's up to you how you deal with it. You can optimize expenses and protect the environment.

What you will appreciate:

- overview of energy, gas and water
- view of immediate consumption
- long-term statistics and reports
- intuitive application
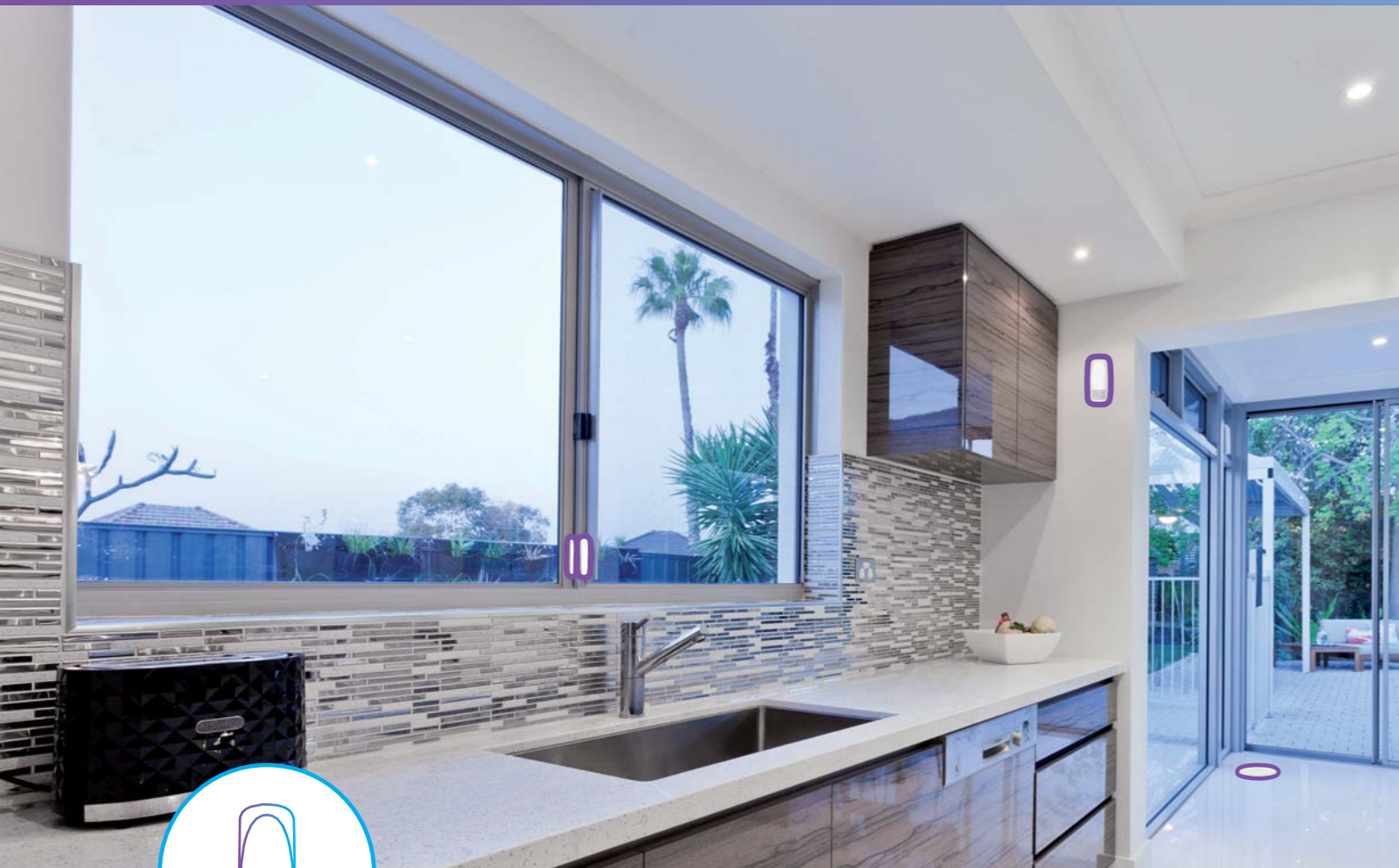

iNELS application

System iNELS

SAFETY

Protection against all kinds of dangers

It's not just about personal monitoring and camera surveillance. But also about checking electrical appliances or plumbing right in the house. We will simply help you achieve the peace you desire.

What you will appreciate:

- water level detection
- motion detection
- checking open windows and doors
- event notification to mobile phone
- remote monitoring

Window / Door detector

Motion detector

Combined motion, temperature, humidity and light intensity detector

Flood detector

DOOR INTERCOM, CAMERAS

Whenever you need to, you know what's going on outside the door

Get a perfect overview. About who's ringing, who's moving around the house. Who has called and an uninvited guest.

What you will appreciate:

- communication inside the house itself
- remote communication with a mobile phone
- camera system with notifications
- ability to respond to incoming even if you are not at home
- remote door opening

Intercom HIK VISION

Intercom 2N

Camera

LARA Intercom

iNELS application

MULTIMEDIA

Unlimited entertainment options

Stream Internet radio or music from a central repository. Listen to music wherever you move. Have fun with the possibilities that technology brings.

What you will appreciate:

- internet radio
- play audio from storage
- clear control from panels or mobile phone
- easy installation
- Spotify, TuneIn

LARA Radio

Speakers Logus⁹⁰

External speakers

Ceiling speaker
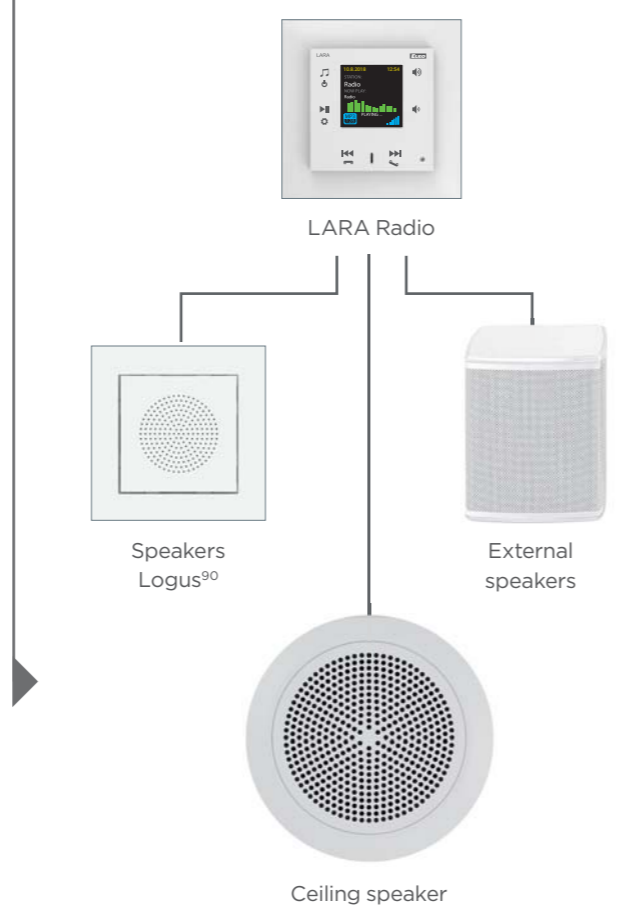
APPLIANCE CONTROL - NOT JUST DOMESTIC ONES

Connect information from different devices

The fridge, washing machine and oven can already do great things. Do a piece of work you don't have to do, and let you know at the right time.

What you will appreciate:

- connecting the house to other smart technologies
- clear control from various devices
- smart notifications and statuses
- well-being and comfort that you did not know before

Gateway Miele

Dishwasher   Dryer   Washing machine

iNELS application
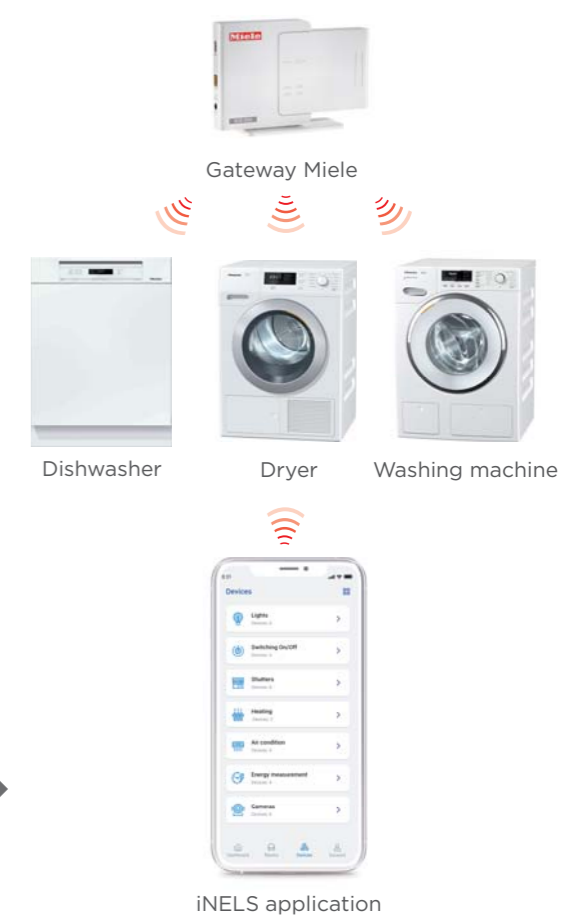
WIRELESS SYSTEM

EXAMPLE OF EQUIPMENT AND WIRING

1.

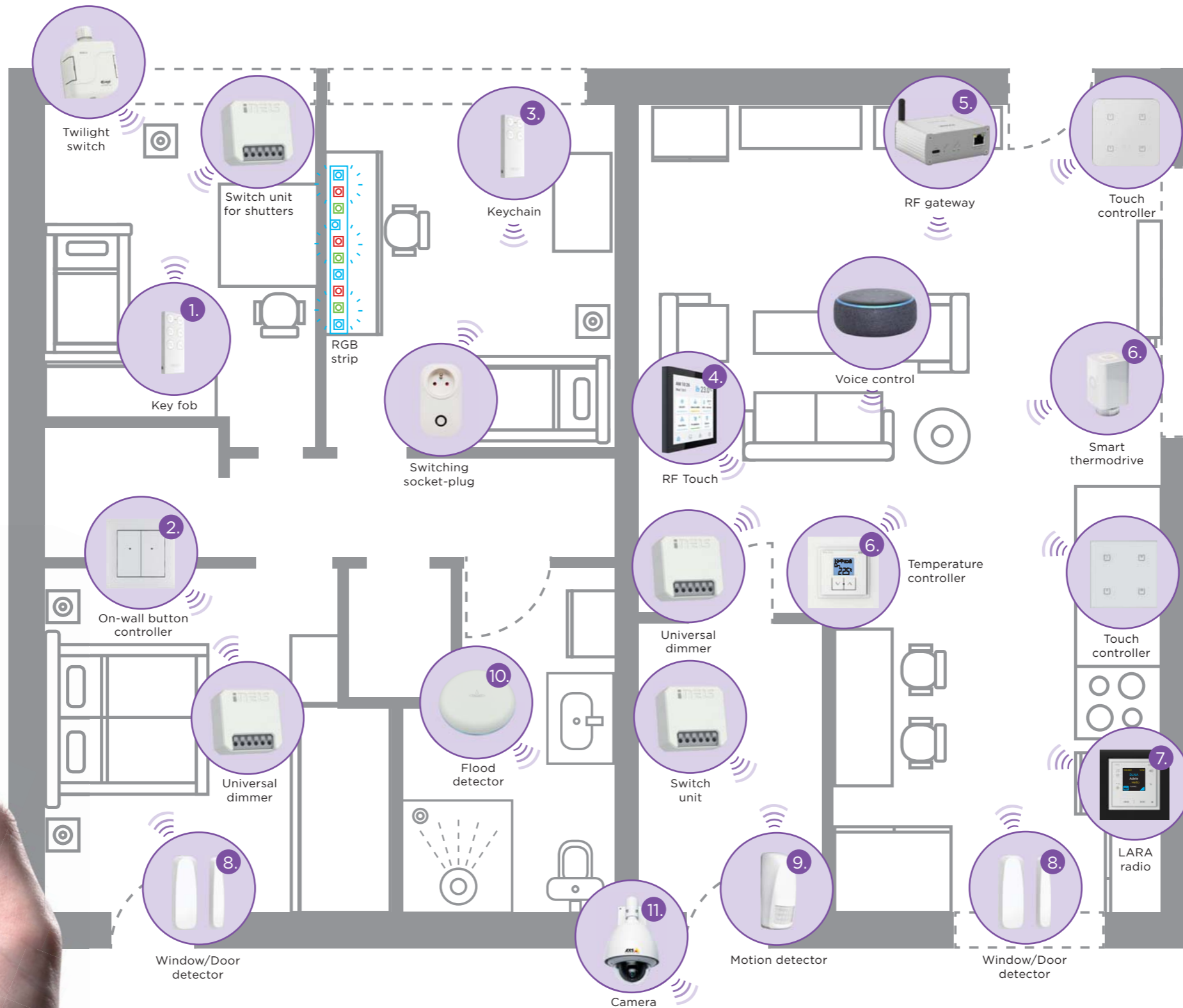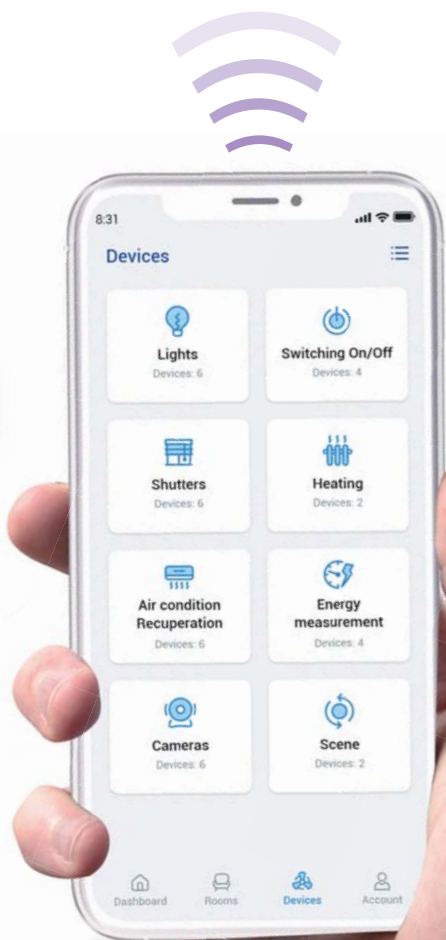Possibility to control blinds with local controller or light detector (dawn/dark). With the possibility to combine with a fixed schedule.

2.

Lighting intensity control and selection of light scenes. In the picture, the dimming of the light is controlled by a wall controller.

3.

Remote control for various devices. For example, RGB tapes or dimmable drawers.

4.

Central control of the device in the room using the RF Touch wall panel and touch controls.

5.

Smart eLAN box for storing data and pre-set scenarios. WIth the possibility of controlling the house by phone, tablet or smart TV.

6.

The wall thermostat can control radiators or a central heating source. Pictured in direct communication with a smart thermal head.

7.

Internet radio and multimedia player LARA also with the possibility of connecting to a home intercom.

8.

Magnetic detector for detecting the opening of a window or door.

9.

The motion detector can activate various systems and devices. Pictured in combination with a light switching component.

10.

Flood detector to indicate water from an overflowing tub or cracked water hose.

11.

Security camera to protect the home, office and building.

Twilight switch

Switch unit for shutters

Keychain

RF gateway

Touch controller

RGB strip

Key fob

Switching socket-plug

Voice control

Smart thermodrive

On-wall button controller

RF Touch

Temperature controller

Touch controller

Universal dimmer

Universal dimmer

Flood detector

Switch unit

LARA radio

Window/Door detector

Camera

Motion detector

Window/Door detector

Devices
Lights — Devices: 6
Switching On/Off — Devices: 4
Shutters — Devices: 6
Heating — Devices: 2
Air condition Recuperation — Devices: 6
Energy measurement — Devices: 4
Cameras — Devices: 6
Scene — Devices: 2
Dashboard   Rooms   Devices   Account

BUS SYSTEM

EXAMPLE OF EQUIPMENT AND WIRING

1.

Control of blinds by local controller or light detector (dawn/dusk). With the possibility to combine with a fixed schedule.

2.

The dimmable RGB tape is controlled by a wall controller or a mobile application.

3.

Switchboard including central unit with power supply (A), switching actuators for lights and heated (B), dimming modules for lights and RGB strips (C), switching actuators for blinds (D) and Connection server to connect the system to the Internet (E).

A. CU3-02M+BSP3-02M +PS-100

B. SA3-012M (lighting) + SA3-06M (heating)

C. DA3-22M + RFDA-73M

D. JA3-018M

E. Connection Server

4.

Lighting intensity regulation and light scene options. In the picture, the dimming of the light is controlled by a wall controller.
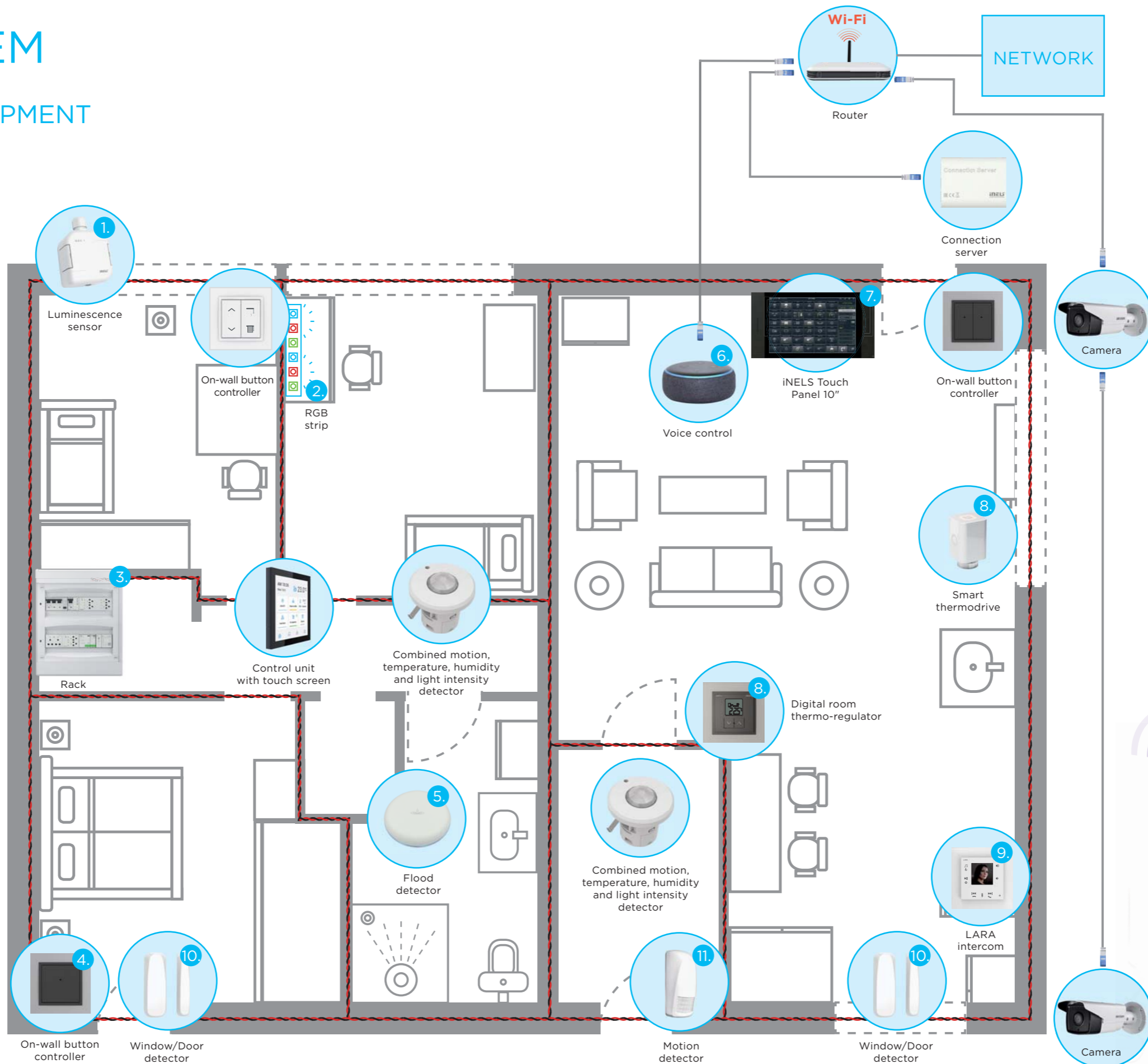
5.

Flood detector to indicate water from an overflowing tub or cracked water hose.

6.

Voice control of the system using Google HOME or Amazon Alexa.

7.

Wall Touch panel used to control all installed household devices.

8.

The wall thermostat can control radiators or a central heating source. Pictured in combination with a smart thermal head.

9.

Internet radio and media player. With the possibility to connect to a home intercom.

10.

Magnetic detector for detecting the opening of a window or door.

11.

The motion detector can activate various systems and devices.

Wi-Fi

NETWORK

Router

Connection server

Voice control

iNELS Touch Panel 10"

On-wall button controller

Camera

Luminescence sensor

On-wall button controller

RGB strip

Rack

Control unit with touch screen

Combined motion, temperature, humidity and light intensity detector

Smart thermodrive

Digital room thermo-regulator

Flood detector

Combined motion, temperature, humidity and light intensity detector

LARA intercom

On-wall button controller

Window/Door detector

Motion detector

Window/Door detector

Camera

SAMPLE CALCULATION
WIRELESS (RF) ELECTRO-INSTALLATION

HOUSE ROOM 4+1   1 259 €

Common system units
1x eLAN-RF-103 smart RF box   92 €

Temperature regulation
3x RFSTI-11B Switch unit with a external
temperature sensor (3 zones)   116 €

Control of appliances
1x RFSA-66M units, 6-channels (6)   138 €
1x RFSA-61B switch unit, 1-channel   55 €

Safety
2x RFWD-100 window/door detector   96 €
2x RFMD-100 motion detector   125 €

Lighting control
3x RFDEL-71B universal dimmer, 1-channel
(3 zones)   228 €
1x RFDA-73M/RGB dimming actuator
for LED (RGB) strips, 3-channels   102 €
2x RFWB-40 on-wall button controller   80 €

Shutters/blinds
2x RFJA-32B switch unit for shutters (2)   155 €
2x RFWB-20 on-wall button controller   72 €

Installation time – 1 working day only

This price offer is only indicative; we will determine the exact price based on individual requirements and the method of connection.

All prices are without VAT.

SAMPLE CALCULATION
WIRED (BUS) ELECTRO-INSTALLATION

NEW HOUSE ROOM 4+1   2 772 €

Common system units
1x CU3-07M central unit - miniCU   184 €
1x PS3-30/iNELS power supply   69 €
1x Connection server   207 €
1x EST3 control unit with touch screen   274 €

Temperature regulation
1x SA3-06M switching actuator, 6-channels   180 €
4x TELVA thermodrive 230V, NC + adapter VA80   96 €
3x WSB3-40 wall switch button, 4 buttons   264 €

Control of appliances
1x SA3-04M switching actuator, 4-channels   180 €

Safety - input module for detectors
1x IM3-140N binary input unit, 14-channel   178 €

Lighting control
1x DA3-22M dimming actuator, 2-channels   229 €
1x SA3-012M switching actuator, 12-channels   274 €
4x WSB3-40 wall switch button   352 €

Shutters/blinds
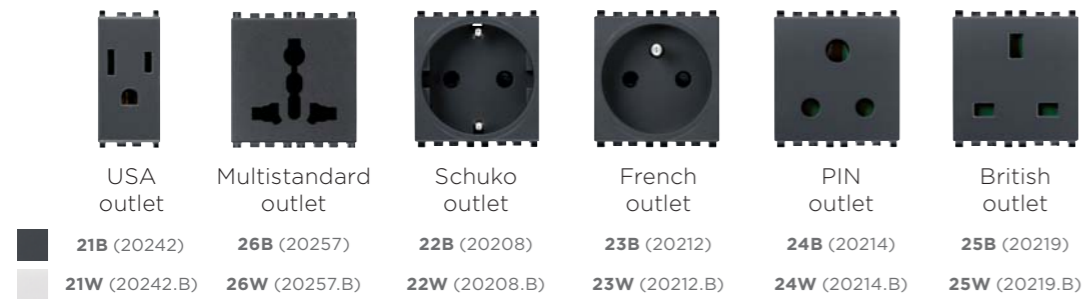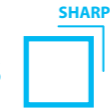1x RF Key wireless keychain   23 €
2x SA3-04M switching actuator, 4-channels   120 €
2x WSB3-20 wall switch button   142 €

This price offer is only indicative; we will determine the exact price based on individual requirements and the method of connection.

All prices are without VAT.

GRMS SOLUTION
FOR EACH HOTEL

Let us introduce you the glass control innovation for the iNELS GRMS system.
After the successfull introduction of the iNELS GRMS glass series, we have decided to bring its development a little further and offer a new solutions to those, who prefer rather round shapes. Along with the shape, we also changed the design of the icons, which you can choose according to your own preferences. The compact solution follows the latest trends. And just like the sharp controllers, it fits elegantly into every possible environment, whether it is a hotel corridor (glass card readers) or the controller near the bedside table in your room (glass touch panels). Controllers are available in elegant black and white colour.

USA outlet	Multistandard outlet	Schuko outlet	French outlet	PIN outlet	British outlet
21B (20242)	**26B** (20257)	**22B** (20208)	**23B** (20212)	**24B** (20214)	**25B** (20219)
21W (20242.B)	**26W** (20257.B)	**22W** (20208.B)	**23W** (20212.B)	**24W** (20214.B)	**25W** (20219.B)

RANGE OF GLASS **SHARP** CONTROLLERS

1. **Glass card holder**
GHC3-31
2. **Glass card reader**
GCR3-11
3. **Glass room thermo-regulator**
GRT3-50
4. **Glass bedside panel, 1 module**
GSP3-60/xR/1F
5. **Glass switch button with symbols**
GSB3-60/S
6. **Glass bedside panel, 2 module**
GSP3-60/xR/2F
7. **Glass switch panel**
GSB3-100

RANGE OF GLASS **ROUND** CONTROLLERS

1. **Glass card holder and reader**
GCH3-231
2. **Glass card reader**
GCR3-211
3. **Glass room thermo-regulator**
GRT3-250
4. **Glass bedside panel, 1 module**
GSP3-260/xR/1F
5. **Glass switch button with symbols**
GSB3-260/S
6. **Glass bedside panel, 2 module**
GSP3-260/xR/2F
7. **Glass switch panel**
GSB3-2100

INELS REFERENCES

Since we began supplying iNELS, we have performed over 15,000 installations. Introducing a selection.

A fully remote-controlled squash center in Hungary, a French raurant in Prague's Municipal House, a discotheque in Kiev, Ukraine, a summer residence on Mallorca and a myriad, of apartments and houses. You can find our systems installed and implemented in hundreds of locations across the globe.

We can introduce the iNELS system to various projects, whether it concerns the residential sector or commercial space.

Museum Hermitage
St. Petersburg/Russia

- one of the world's most famous museums, based in St. Petersburg
- dimming of selected zones with DIM-6
- cooperating with wireless RFDAC-71B controller

Mahmoud Jaber
Amman/Jordan

- complete control of 24 rooms including HVAC control, 18 zones iNELS Multimedia, LARA Intercom, videophone, irrigation
- iMM - Video zone player that allows you to control all system functions via the TV screen

Magyar State Opera
Budapest/Hungary

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

Smart Home & Building Solutions for

Flat

House

Building

Hotel

Shop

Wellness

Schoolroom

Office

Industry

Villa in Dubai
Dubai/SAE

- home appliances integration
- communication through LARA Intercom
- garden irrigation control
- appliances control, blinds, shutters, lighting and cameras control

Narva castle
Narva/Estonia

- lighting and dimming control, DALI
- control with glass controllers
- elements chosen so it does not interupt the interior design of the castle
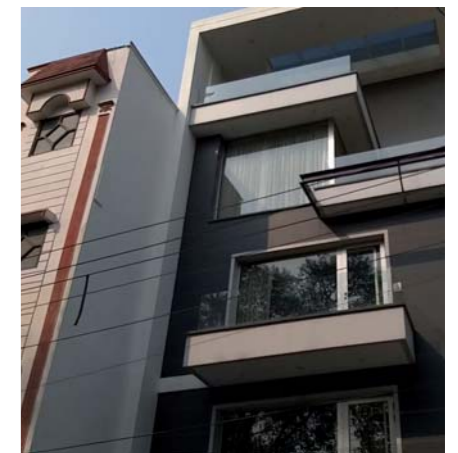
Chauhanji´s Rezidence
India

- used iNELS RF Control
- controling the lighting by RFWB-40 wireless switches and the RFSA-61B multifunction switch units
- iNELS Home Control mobile app

Rocks Hotel & Casino
Kyrenia, Cyprus

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

Inter Power Ltd.
Sofia/Bulgaria

- smart RF System controls lighting, heating, security and CCTV
- separate relays for light circuits switch it on, off or dim
- eLAN-IR-003 allow remote control of A/C and presetting of work schedules

Family house
Gabrovo/Bulgary

- fully equipped with iNELS Smart Home Control
- lighting, blinds, heating and ventilation control
- automatic garden lighting, irrigation, gutter and driveway defrosting

Attic apartment
Prague/Czech Republic

- 6 dimmable, 25 switching lights installed
- shutters and blinds control
- individual heating dontrol

Nikola Tesla
Prague/Czech Republic

- security system with motion detectors or door openings
- fire system with smoke detectors
- and temperatures, access system
- with intercoms and card readers
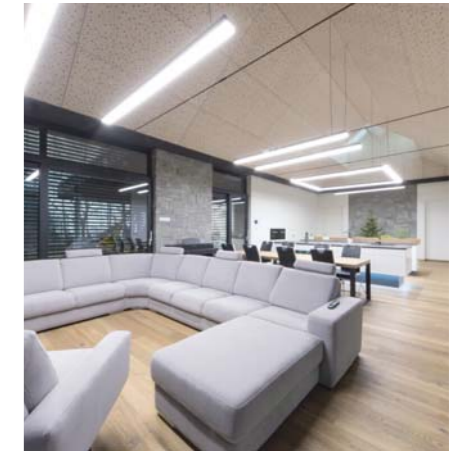
Villa in Beskydy
Beskydy/Poland

- iNELS BUS system
- weather station
- lighting scenes
- control by smartphone, tablet or touch panel
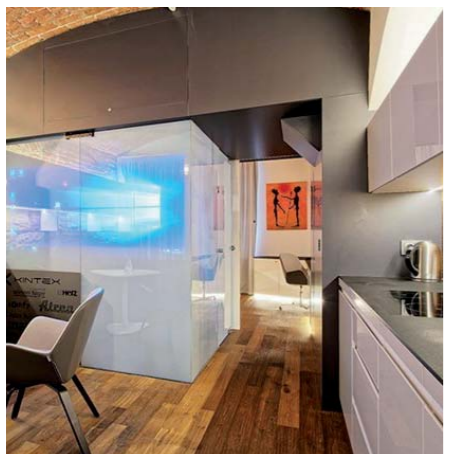
Apartment in Brno
Brno/Czech Republic

- energy savings due to lighting and heating control
- home appliances, blinds, shutters and cameras switching and control

Radisson Ridzen Hotel
Riga, Latvia

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

Arigone Hotel
Olomouc, Czech Republic

- intelligent installation iNELS
- Guest Room Management System with CU3-04M Hotel Bundle
- ready for communication with iNELS BMS


Buddha Palace
Thimphu/Bhutan

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

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
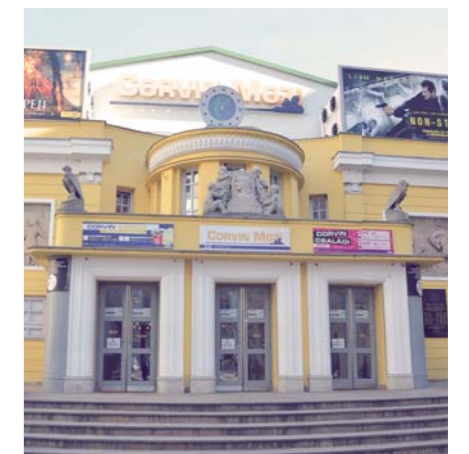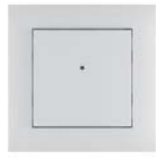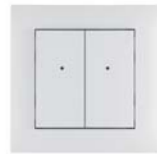

Cinema Corvin
Budapest/Hungary

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

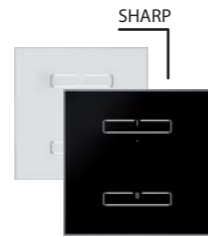# INELS RF CONTROL: UNITS OVERVIEW

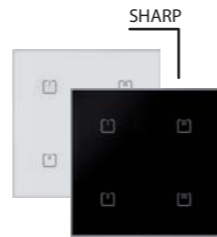## Controllers

RFWB-20/G
On-wall button controller
- 2 buttons

RFWB-40/G
On-wall button controller
– 4 buttons

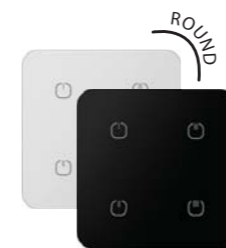**RFOWB-20**
Outdoor controller
– 2 buttons

IP 65

SHARP

RFGB-20/W - white glass
RFGB-20/B - black glass
Glass touch controller, SHARP
– 2 buttons

SHARP

RFGB-40/W - white glass
RFGB-40/B - black glass
Glass touch controller, SHARP
– 4 buttons

ROUND

RFGB-220/W - white glass
RFGB-220/B - black glass
Glass touch controller, ROUND
– 2 buttons

ROUND

RFGB-240/W - white glass
RFGB-240/B - black glass
Glass touch controller, ROUND
– 4 buttons
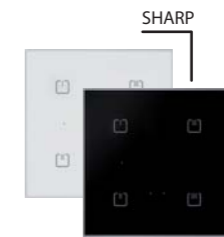
SHARP

RFDW-71/W- white glass
RFDW-71/B - black glass
Glass touch controller
with dimmer, SHARP

ROUND

RFDW-271/W - white glass
RFDW-271/B - black glass
Glass touch controller
with dimmer, ROUND

NEW

RF KEY-40/W - white
RF KEY-40/B - black
Controller – key fob
–4 buttons

NEW

RF KEY-60/W - white
RF KEY-60/B - black
Controller – key fob
– 6 buttons

RF Pilot/W - white
RF Pilot/A - anthracite
Remote RF controller
with display

Switches

RFSA-11B
Switch unit, 1-channel
– 1× 16 A, singlefunction

RFSA-61B
Switch unit, 1-channel
– 1× 16 A, multifunction

RFSA-62B
Switch unit, 2 channels
– 2× 8 A, multifunction

RFSAI-62B-SL
Switch unit, 2-channels
with external input

RFJA-32B-SL
Switch unit for shutters
– 2× 8 A

integrated antenna

RFSA-61M   RFSA-61MI
Switching units, 1-channel
– multifunction, 1× 16 A

integrated antenna

RFSA-66M   RFSA-66MI
Switching units, 6-channels
– multifunction, 6× 8 A

IP 65

RFUS-61
Unit with increased
protection, 1× 12 A,
multifunction

French   Schuko   British

RFSC-71N
Switching socket-plug,
– 1× 16 A, multifunction

IP 65

RFOSC-61
Switching sockets with
increased protection

Dimmers

RFDAC-71B
Analog controller, 0(1)-10 V
– multifunction

RFDEL-71B
Universal dimmer,
1-channel – 1× 160 VA
– R, L, C, LED, ESL

RFDEL-71M
Universal dimmer,
1-channel – 1× 600 VA
– R, L, C, LED, ESL

NEW

RFDEL-76M
Universal dimmer,
6-channels
– 6 x 150 VA

RFDA-73M/RGB
Dimming actuator
for LED (RGB) strips,
3-channels

French   Schuko   British

RFDSC-71
Dimming socket-plug
– 1× 300 VA
– R, L, C, LED, ESL

iNELS RF CONTROL: UNITS OVERVIEW

Temperature control

RFTC-10/G
System temperature controller

RFTC-50/G
Autonomous temperature controller

RFSTI-11B
Switch unit with a external temperature sensor

RFTI-10B
Temperature sensor (internal + external)

TC   TZ
Temperature sensors

Fancoil regulation

TELVA-2
Thermodrive ON/OFF, 0-10V

RFTV-2
thermo-valve

RFTC-150/G
Temperature controller

RFSAI-161B
Ligting control unit with pair detectors and external button input

RFSTI-111B
Overheating/overcooling switch unit with advanced functions

Converters

RFSA-166M
Switch unit for fancoil, 6-channels

RFIM-20B
Input contacts converter – 2x permanent contacts

RFIM-40B
Input contacts converter – 4x instantaneous contacts

RFSG-1M
Input contact converter –1x permanent contact

Detectors

RFSF-1B
Level switch

FP-1
Liquid probe

RFSF-100
Flood detector

IP 65

RFSOU-1
Twiilight switch

RFWD-100
Window/Door detector

RFMD-100
Motion detector

System units

RF Touch-B
Wireless touch unit – flush mounted

RF Touch-B
Wireless touch unit – on the wall

eLAN-RF-103
Smart RF gateway with LAN

eLAN-RF-Wi-103
Smart RF gateway with LAN & WiFi

RFRP-20N
Repeater to extend the range

Accessories

RFAF/USB
Service Key

AN-I
Internal antenna
Gain: 2.1 dBi

AN-E
External antenna
Gain: 5 dBi

NEW

AN-E3
External antenna
Gain: 3 dBi, IP67

NEW

Extension cable for external antenna
10 m

Supported video cameras

Protocols MJPEG, RTSP, ONVIF

Supported intercoms

2N

HIK VISION

iNELS BUS SYSTEM: UNITS OVERVIEW

System units

CU3-05M
Central unit

CU3-06M
Central unit

CU3-07M
Central unit - miniCU

MI3-02M
External master BUS

MI3-02M/ETH
External master BUS with
Ethernet communication

BPS3-01M
BPS3-02M
BUS separator
from power supply

PS3-100/iNELS
Power supply

PS3-30/iNELS
Power supply

Switching actuators

SA3-04M
Switching actuator,
4-channels

SA3-06M
Switching actuator,
6-channels

SA3-012M
Switching actuator,
12-channels

SA3-022M
Switching actuator,
22-channels

EA3-022M
Switching actuator,
22-channels

SA3-01B, SA3-02B
Switching actuator,
1-channel and 2-channels

JA3-02B/DC
Roller (shutter)
actuator, 2-channels

JA3-018M
Roller (shutter) actuator,
18-channels

Dimming actuators

DA3-22M
Universal dimming
actuator, 2-channels

DA3-66M
Dimming actuator,
6-channels

LBC3-02M
Dimming actuator
for electronic ballasts,
2-channels

RFDA-73M/RGB
Dimming actuator
for LED (RGB) strips,
3-channels

EMDC-64M
Gateway iNELS -
DALI/DMX

DLS3-1
Luminescence
sensor

DMD3-1
Combined motion,
temperature, humidity
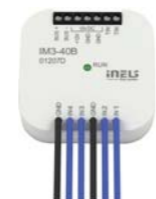and light intensity detector

Input units and converters

FA3-612M
Fan Coil Control
actuator

IOU3-108M
Combined actuator
with10 inputs, 8 outputs

IM3-140M
Binary input unit,
14-channels

IM3-40B
Binary input units

IM3-80B
Binary input units

TI3-40B
Temperature input,
4-channels

TI3-60M
Temperature input,
6-channels

ADC3-60M
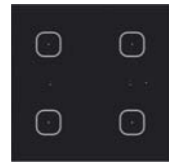Analog-digital
converter

DAC3-04M
Digital-analog
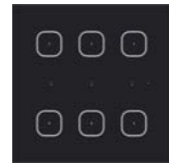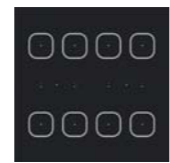converter

iNELS BUS SYSTEM: UNITS OVERVIEW

Wall units and controllers

EST3
Control unit
with touch screen

GSB3-40
Glass switch button

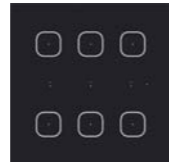**GSB3-60**
Glass switch button

GSB3-80
Glass switch button

WSB3-20
WSB3-20H
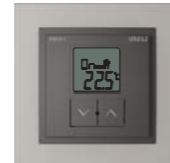Wall switch button,
2 buttons

WSB3-40
WSB3-40H
Wall switch button,
4 buttons

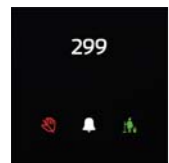**WMR3-21**
Wall card reader

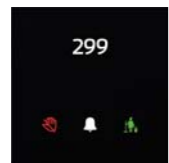**GMR3-61**
Glass wall card
reader

IDRT3-1
Digital room
thermo-regulator

Hospitality solution
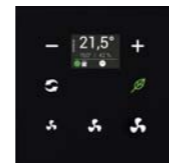
GCR3-11
Glass card reader

GDB3-10
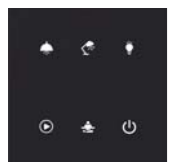Glass door bell
(info panel)

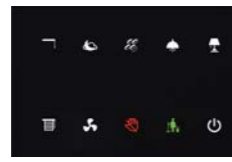**GCH3-31**
Glass card holder

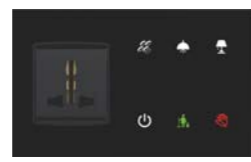**EHT3**
Hotel control unit
with touch screen

GRT3-50
Glass room
thermo-regulator

GSB3-60/S
Glass switch button
with symbols

GSP3-100
Glass switch panel

GBP3-60/xL/1F
Glass bedside panel, left

GBP3-60/xR/1F
Glass bedside panel,
right

Multimedia

iTP 10"
iNELS Touch Panel 10"

LARA Radio
Internet radio player
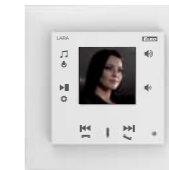
LARA Intercom
Multifunctional
communications devices

Connection Server
Server for integration
of third parties

Converters

eLAN-IR-003
Ethernet-IR transmitter

eLAN-RS485/232
Converter RS485/232-iNELS
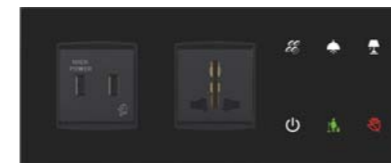
GBP3-60/xL/2F
Glass bedside panel, left
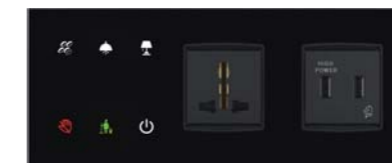
GBP3-60/xR/2F
Glass bedside panel, right

GSB3-20/S
Glass switch button
with symbols

GSB3-40/S
Glass switch button
with symbols

iNELS App

Also available for tablets

Accessories

TELVA-2 230V,
TELVA-2 24V
Thermodrives

AN-I
AN-E
Internal antenna
External antenna

TC
TZ
Pt100
Thermo sensors

SCOPE ARCHITECTURE

Connection server

Cloud platform

iNELS app

Smart watch app

Smart TV application

SAMSUNG

Modbus
KNX
Devices and 3rd party protocols
ZigBee
Qwave
M-Bus

API

ELKO CLOUD

Wi-Fi

LAN

Smart RF Gateway

LARA Music

IP cameras

LARA Intercom

Weather station

Voice assistants

Google Home

amazon alexa

Video door-phone /Intercom

Energy measuring

RF

RF

RF

Sensors / detekctors

Motion detector

Window/door detector

Flood detector

Twilight switch

Actuators

Switching socket

Universal dimmer R - L - C - LED - ESL
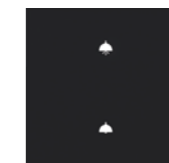
Switch unit for shutters

Thermovalve

| 1 | 2 | 3 |
| 4 | 5 | 6 |

Switch unit 6-channels

0(1)-10 V

Analog controller 0(1)-10 V

Switching socket with increased protection

Switch unit for outdoor use

Controllers

On wall button

Glass touch

Glass touch with dimmer

RF Pilot with display

Key fob

Contact converter

IP 65

Outdoor 2-buttons controller with increased protection

AM 10:26
Wed 10/3
23.0°C
22.5°
22.5°

Wireless touch unit

Temperature controller

iNELS BUS SCOPE

Switching actuators
ON / OFF

22 channels | 12 channels | 4 channels | 2 channels

Dimming actuators
0-100%

RGB | 6 channels | 2 channels | 2x analog 0(1)-10V

Input/output units
I/0 unit

10 inputs, 8 outputs | 14 inputs | 4 inputs | 6 temperature inputs

Analog-digital converters

Fancoil actuator | Digital-analog | Analog-digital | Digital-analog

Lighting control DALI
DALI

DALI converter | Combined detector | Light intensity sensor

Glass switch button | Glass room thermo-regulator | Glass switch panel | Wall switch button | Control unit with touch screen

External master

Central unit

iNELS Wireless

Connection server

IP cameras

Weather station

Doorphones

LARA Intercom | LARA Radio
Spotify

Ethernet-IR transmitter

SAMSUNG
Smart TV Tizen
Samsung SMART TV

BUS 1 | BUS 2 | EBM | BUS 3 | BUS 4

up to 18 BUSes = 576 units

FLOWBOX

3RD PARTY INTEGRATION

Modbus

Air conditioning

Thermostat | Modbus gateway

Electricity meter

KNX — Unlimited

KNX | KNX | KNX

KNX Gateway

Control4

Control4 unit

COOLAUTOMATION

CoolMasterNet

IntesisBox

DAIKIN | Panasonic | LG | MITSUBISHI ELECTRIC COOLING & HEATING | TOSHIBA | FUJITSU

Intesis box

CCTV

IP Cameras

iNELS Air

sigfox | LoRa | NB-IoT | MQTT

Base Transceiver station

HOTEL ROOM — Modbus

iNELS BUS

Thermostat Modbus | Glass thermoregulator | Glass wall controller | Combined actuator | miniCU

iNELS INTEGRATION

FLAT

Smart box

Dimming actuator | Switching actuator | Dimming actuator

Key fob | Glass touch controller | On-wall button controller

APARTMENT

...up to **32** units on BUS

miniCU | Combined actuator | Dimming actuator | Glass wall controller | Glass panel

HOUSE

...up to **8x** = **576** iNELS units

Central unit | External master | External master

BUILDING

...up to **100x** CU3-05M/06M

Central unit | Central unit

...up to **257x** miniCU

miniCU | miniCU

iNELS APP

Replaces the original application:
- iNELS Home Control Mobile and iNELS Home Control Tablet (for CU3 series and Connection Server)
- iNELS Home RF Control (for eLAN-RF)
- iNELS Home Control IR Mobile (for eLAN-IR)
- LARA Dio (for LARA player)

and combines them into one.
This revolutionary application allows not only the control of all the above devices and elements, but also the setting of simple events (scenes) directly by the user - across iNELS systems.
It also integrates the control of 3rd party devices (cameras, intercoms, home appliances). Allows direct connection to the device or connection via iNELS. Cloud, including voice assistant control.
New features are configurable notifications, an optional dashboard or definable roles (rights) for individual users.

Google Play
iTunes

Electroinstallation

iNELS® RF Control   iNELS® BUS System

HVAC

Audio

3rd party

Energy management
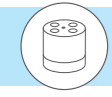
Voice assistants

Others

|	Silver	Gold	Platinum
Lighting control	✔	✔	✔
Garage doors and gates	✔	✔	✔
Switching appliances	✔	✔	✔
RGB bulbs and LED strips	✔	✔	✔
Scenes	✔	✔	✔
Detectors/sensors	✔	✔	✔
Heating	✔	✔	✔
Air conditioning	✘	✔	✔
Recuperation	✘	✔	✔
LARA	✘	✔	✔
NAS	✘	✘	✔
Cameras	✔	✔	✔
Weather station	✘	✔	✔
Intercoms	✘	✔	✔
Home appliances	✘	✘	✔
Energy dashboard	✘	✔	✔
History report (charts & graphs)	✘	✘	✔
Google Home	✔	✔	✔
Amazon Alexa	✔	✔	✔
Automation	✘	✔	✔
Notification	✔	✔	✔
Widgets	✔	✔	✔
Favourites/overview	✔	✔	✔
Log history	✘	✔	✔
eLAN-IR	✘	✔	✔
Geolocation	✘	✔	✔
Weather data	✘	✔	✔
Conrad Connect	✔	✔	✔
Users management	✔	✔	✔
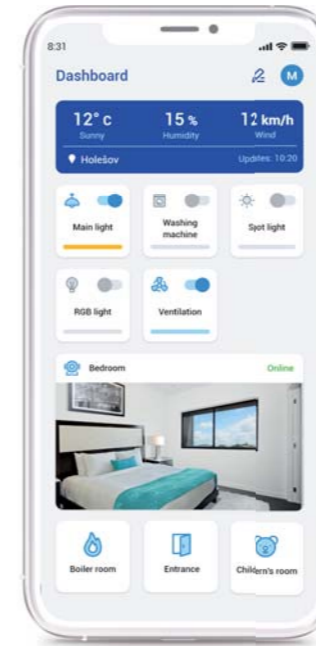
Overview
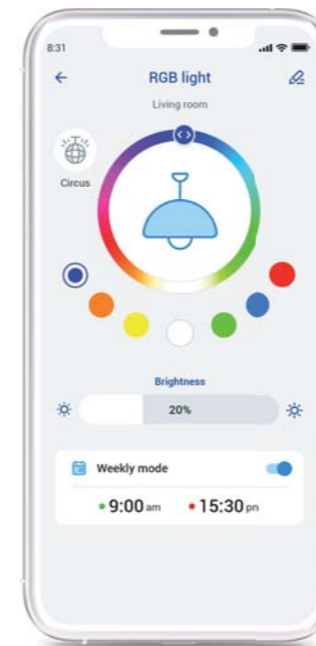Absolute control over the state of all technologies.
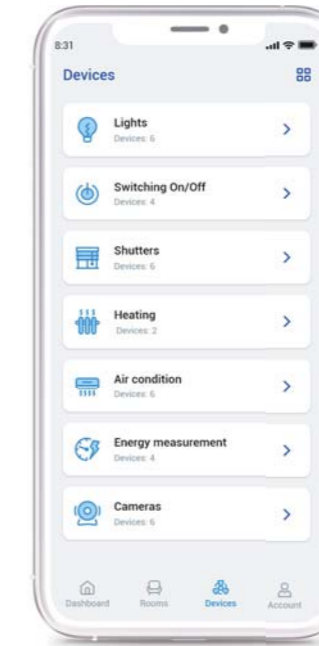
Device list
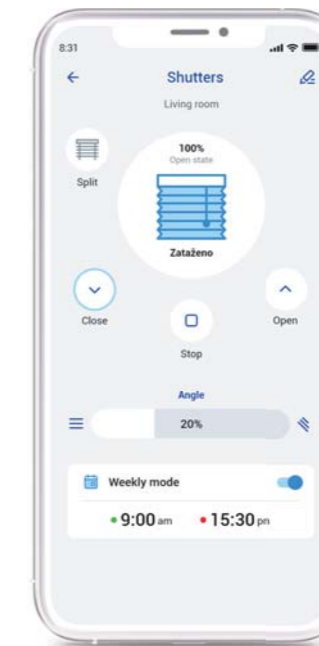Control the device from anywhere.
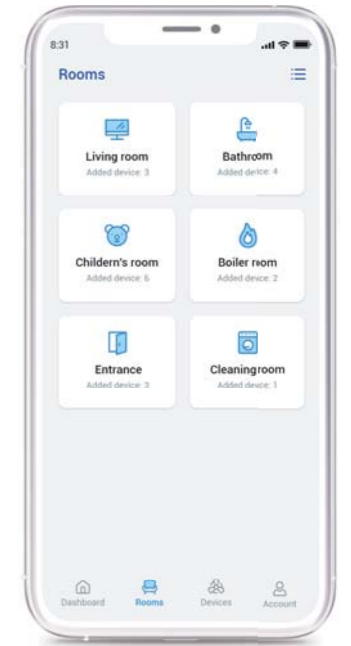
Rooms management
Settings according to individual rooms.

Colour setting
Easy adjustment of the light scene with one touch - switching, dimming, colour.

Shutters/Blinds
Possibility of individual or joint control of shading technology.

Temperature
You can set the temperature in each room exactly as you like.

DO YOU WANT TO KNOW MORE ABOUT OUR SOLUTIONS?

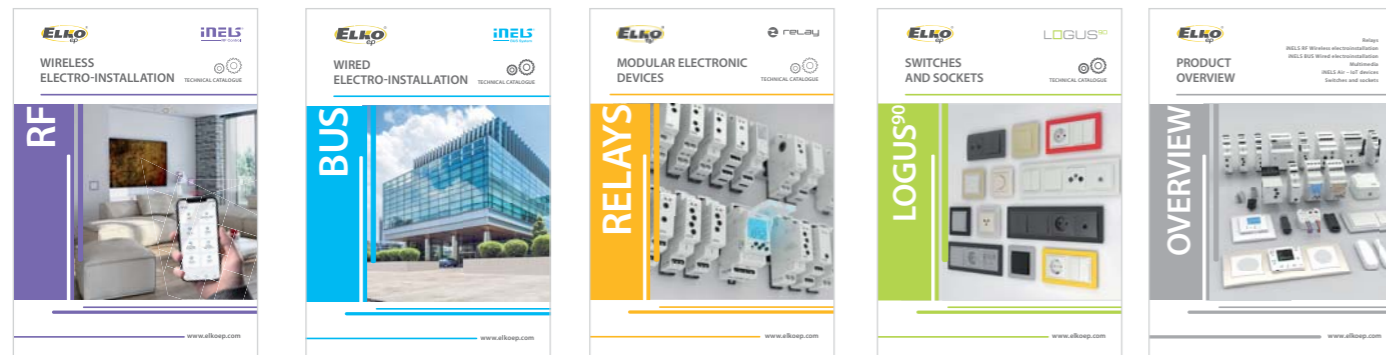More information not only about our wireless and wired solutions:
https://www.elkoep.com/catalogs-and-brochures

DOWNLOAD
https://www.elkoep.com/download

TECHNICAL SUPPORT
+420 573 514 242

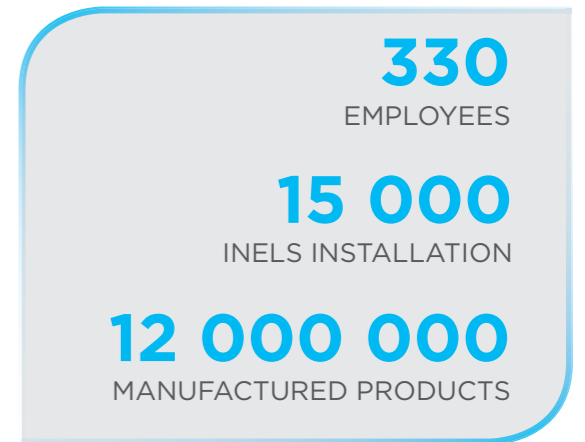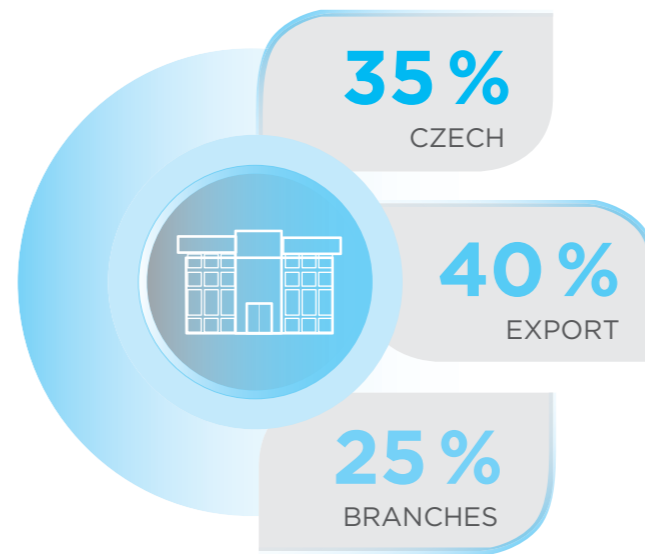## TECHNICAL CATALOGS

Wireless (RF) electro-installation	Wired (BUS) electro-installation	Modular electronic devices	Switches and sockets	Product overview

BROCHURES

We make World smarter	Smart Pole	Smart Home & Building Guide	LARA... A media player in the switch	iNELS for everything, everywhere

FACTS AND STATS

35 % CZECH

40 % EXPORT

25 % BRANCHES

330 EMPLOYEES

15 000 INELS INSTALLATION

12 000 000 MANUFACTURED PRODUCTS

6 FRANCHISES OVER THE WORLD

9 BRANCHES OVER THE WORLD

70 EXPORTING COUNTRIES

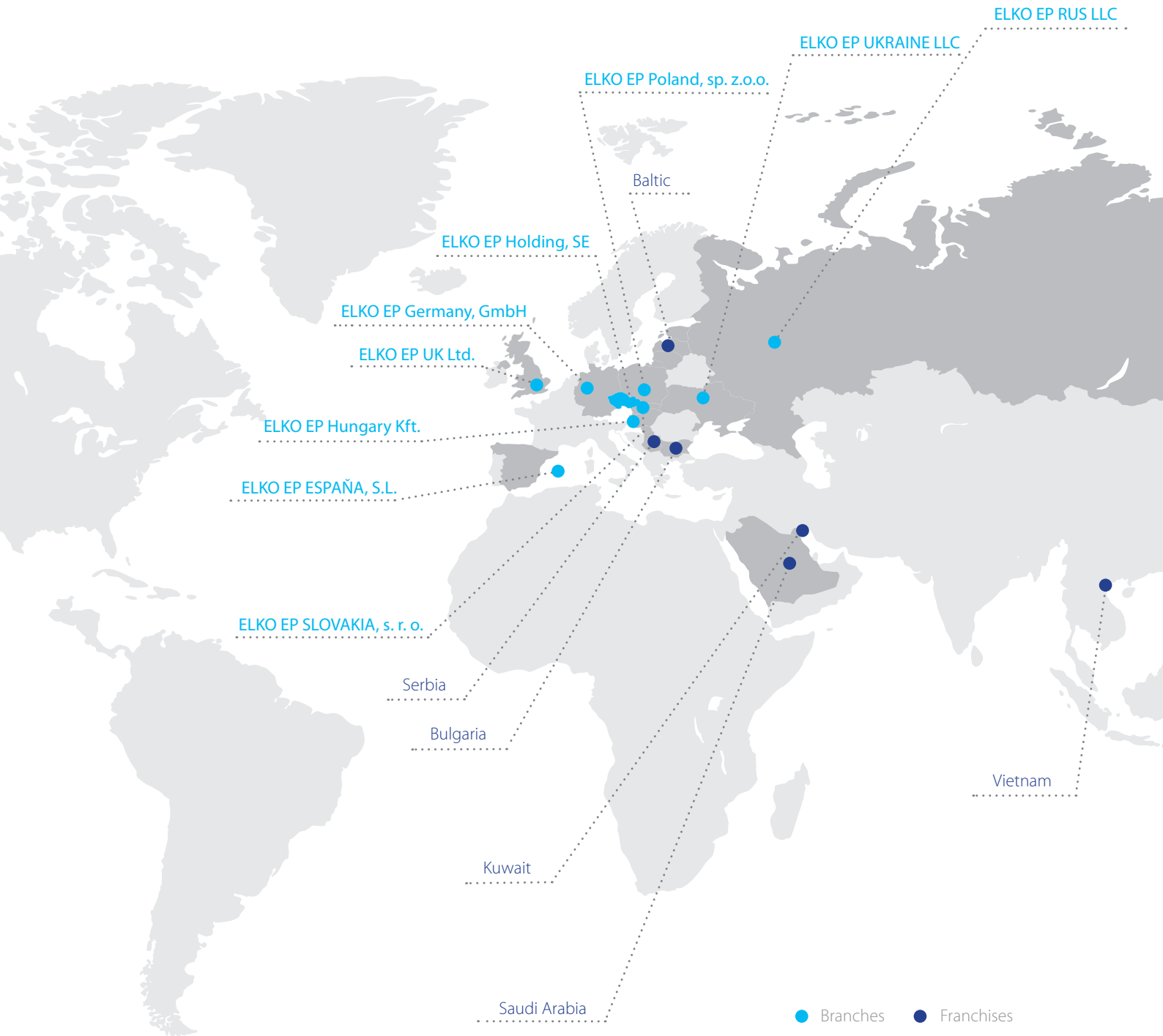**2nd position** in Europe **with timers/time relays**

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.

SELLERS
Personal access to more than 70 sales representatives in ELKO EP Holding provides impeccable services and superior products at an affordable price.

ELKO EP Holding

ELKO EP RUS LLC

ELKO EP UKRAINE LLC

ELKO EP Poland, sp. z.o.o.

Baltic

ELKO EP Holding, SE

ELKO EP Germany, GmbH

ELKO EP UK Ltd.

ELKO EP Hungary Kft.

ELKO EP ESPAŇA, S.L.

ELKO EP SLOVAKIA, s. r. o.

Serbia

Bulgaria

Vietnam

Kuwait

Saudi Arabia

● Branches   ● Franchises

www.elkoep.com