

WE MAKE WORLD SMARTER

EDITORIAL

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



So right from your smart phone, you can control the washing or coffee machine, the A/C or home theater system. We are a traditional and at the same time innovative purely Czech manufacturer of electronic devices and we have been your partner in the field of electrical installations for 30 years. Thanks to many years of experience and operation on the electrical market, we have become specialists in electronic modular devices - relays, of which we already produce more than 200 types. Our own production, modern devices, development and research center - all these allows us to direct the development towards the most popular technologies of today, the smart wiring system iNELS. Thanks to the fact that everything is developed and manufactured so-called „in-house“, you can be sure that everything works as it should.



Our technicians, who carry out regular training of partners, are also helpful to you - whether you are starting out or you have advanced successfully in the field. To be always close to our customers - whether with technical support or a well-stocked warehouse, you will find our branches in 15 branches around the world. In addition, we have steadfast customers in more than 70 countries around the world, and more are constantly being added as the demand for our products grows. We are honoured that you can be with us.

Jiří Konečný
Founder and CEO of the ELKO EP HOLDING

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

HISTORY OF THE COMPANY

1993



Roštění

garage
20 m²

Products:

switching power units
for electrical heating

Technology:

manual mounting and soldering

Employees: 3

1995



Roštění

a former elementary school
200 m²

Products:

first modular
time relay

Technology:

first Semi-Automatic SMD
Pick&Place Machine, 20% share
of SMD components

Employees: 15

2001



Holešov

the former headquarter of LOANA
1 000 m²

Products:

complete range
of monitoring relays

Technology:

2x SMD Pick&Place Machines,
soldering line, reflow

Employees: 82

2015



Holešov

big space means big challenges
more than 8 000 m²

Products:

iNELS smart system

Technology:

2 fully automatic SMD lines, lead-free
soldering, laser printer, automated
testing, own lab

Employees: 170

2018



Holešov

extension of
new warehouse

Products:

devices for IoT: iNELS Air
Smart pole

Technology:

optical tester AOI (automatic optical
inspection), marking laser for ware-
house, Shoe cover machine

Employees: 240

2021



Holešov

product innovation,
strengthening production

Products:

Rounded corners for glass controllers, the
smallest central unit in the world - miniCU

Technology:

extension of
robot machines

Employees: 330

FACTS & STATS



>20 000
iNELS
installations



330
Employees
over the world



>20 000 000
Manufactured
products

10

Branches

6

Franchises

70

Exporting
countries



DEVELOPERS

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



PRODUCERS

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



SUPPORT

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



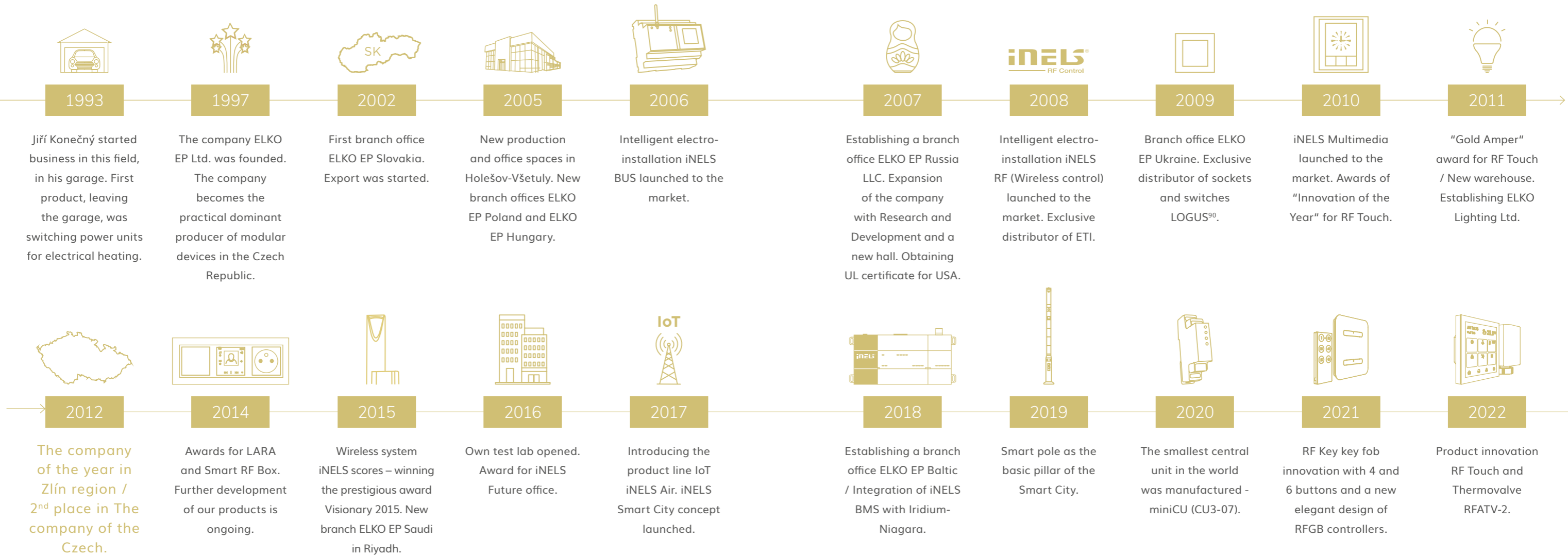
SELLERS

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



We are
the world leader
in production of relays

MILESTONES



STEPS TOWARDS AUTOMATION, QUALITY AND EFFICIENCY

Since its establishment in 1993, ELKO EP has been a significant innovator in the field of development and production of electronic devices and solutions for home, office and industrial automation. It launches dozens of improvements every year - and today it is one of the European leaders in the field and the largest Czech exporters.

In addition, unlike many of its competitors, it has maintained its production and development facilities under one roof throughout its existence. Today, directly at the company's headquarters in Holešov, it produces tens of millions of products every year, which it supplies to order to the world's leading companies or directly to end customers.

Today, it has branches in 15 countries around the world, and the company and its owner have been awarded many times for the precision of their production, innovative approach to development and business results - Visionary of the Year, Global Exporter, Entrepreneur of the Year or Czech SuperBrands in 2019, 2020 and 2021.



Made in
Czech Republic



5 years warranty



Own development

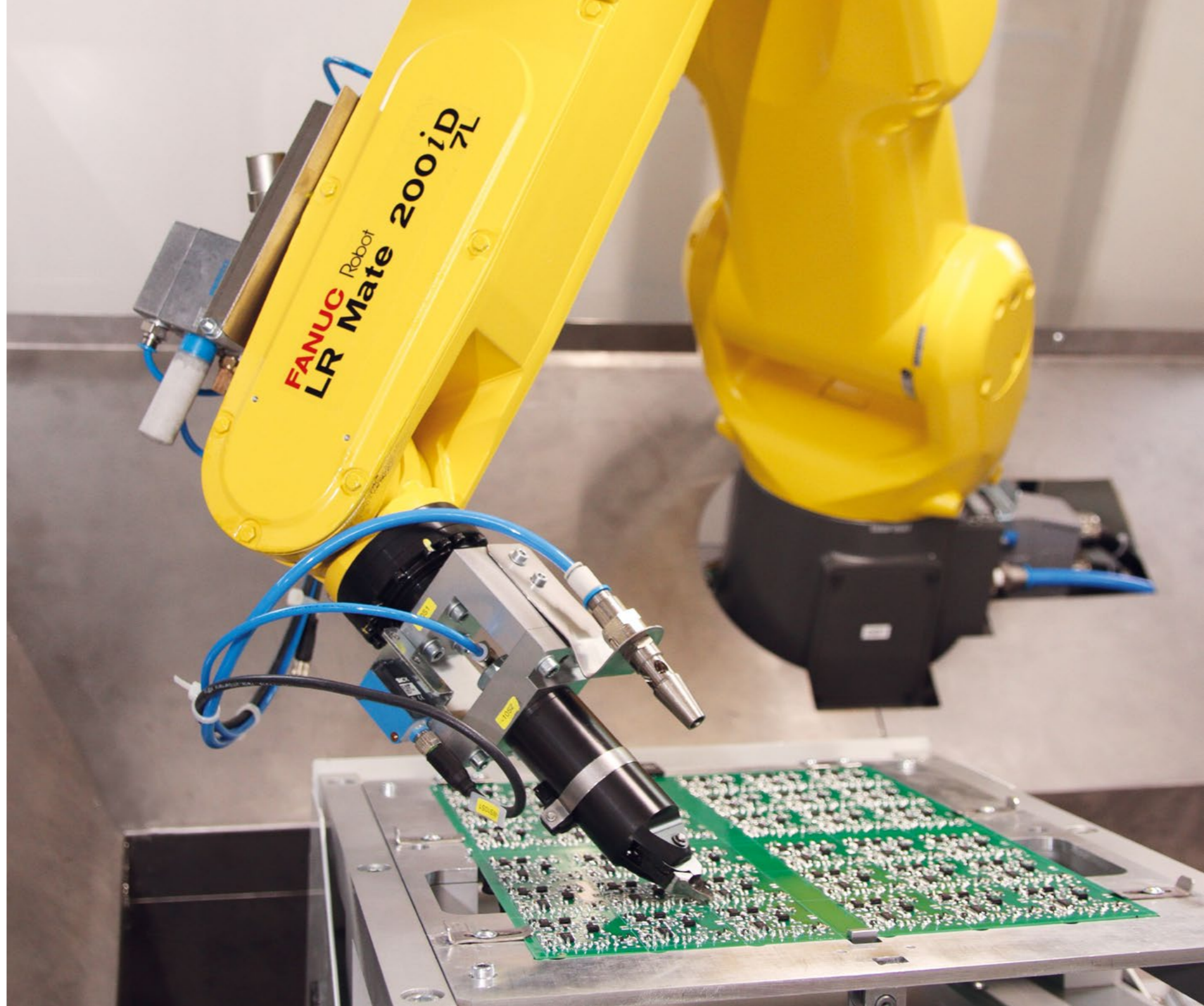


Manufacturer
support



Accredited testing
laboratory

Cutting
robot



ATTAINED AWARDS & MEMBERSHIP



Jiri Konecny
Entrepreneur of
the year



Company ranked
among the 100 best
Czech companies



Vodafone
Company of
the year 2012



Jiri Konecny
Personality of
Smart city 2017



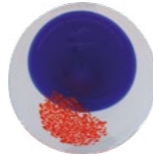
Czech Business
Superbrands
2019 and 2020



Visionary 2015
award For Energy
Managements



Golden Amper for
"iNELS wireless"



ELA award for
"RF Touch"



ELA award for
"LARA"



Czech Business
Superbrands
2021



Custom Electronic Design and Association

Custom Electronic Design and Association is an international trade organization for residential automation technology with more than 3,500 member companies worldwide. It was founded in the USA in 1989 and now CEDIA is the world's leading authority in the field.

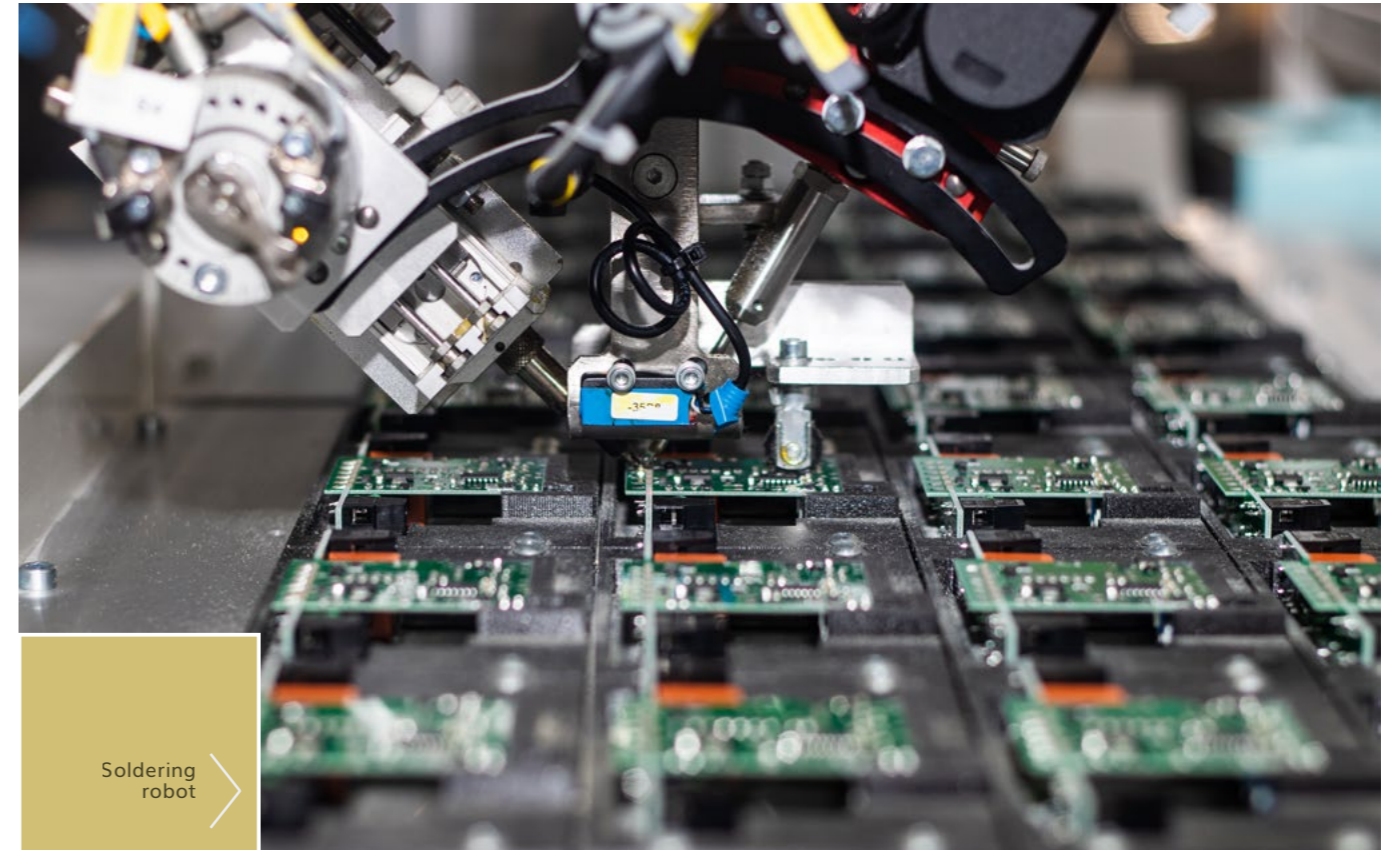
www.cedia.co.uk



The Electrical and Electronic Industry

The Electrical and Electronic Industry in the Czech Republic is a business and employer association that brings together legal and individual persons with similar product orientation or business interests. It was founded in 1992 and Jiří Konečný is a member of the Board of Directors.

www.electroindustry.cz



Soldering
robot



Test lab

HIGH LEVEL OF TECHNOLOGY ALLOWS US...

Just as we place high standards on the final product, we strive to use the most advanced technologies that allow us to produce these sophisticated devices.

Assembly machines can now assemble chips to 0402 size and with their 10 heads handle up to 80,000 parts / hour.

Smart products in Smart Factory:

- On-line monitoring of production and semi-finished products via unique QR codes
- Paperless documentation – data is distributed via terminals
- Online monitoring of productivity, quality and the utilization of machines
- Full antistatic environment
- High degree of automation and robotics



RF Touch 2/B



...TO MAKE HIGH-TECH PRODUCTS

TESTING & CERTIFICATION

The company ELKO EP has had its own testing laboratory for more than 15 years, which is certified and accredited according to EN ISO / IEC 17025: 2018. During this time, the laboratory has gained experience in performing development tests and tests for conformity assessment not only of our own products, but also of many other electrical equipment used in industrial processes and in households.

In 2016, the laboratory underwent a major reconstruction in an effort to expand the portfolio of tests performed and increase its operating capacity. The laboratory enables the performance of tests in the field of electromagnetic compatibility, electrical safety tests, durability tests and specific functional tests.

We are not keeping pace with IEC / EN standards - we are one step ahead. We design and test products to withstand the harsh conditions from Siberian frosts to the harsh temperatures in the Middle East.



ISO certification



ISO9001
Production and
development quality
management system



ISO14001
Environmental
management
system



ISO17025
Testing and
calibration
laboratories



CE
Declaration
of conformity



FCC
USA



underwriters
laboratories
USA

EVOLUTION OF THE SWITCH

Einstein would be surprised...

While its location has not changed much since the end of the 19th century, its functions are virtually limitless.

Power contacts are replaced by buttons with low upstroke and safe voltage. Wires disappeared and pressure has been replaced by capacitive pads or a touch screen.

Today we already know well what will come next.



PRODUCTS



Wireless electroinstallation (RF)



Wired electroinstallation (BUS)



Timers / Relays



Residential



Home automation



Connected home



Wireless Retrofit Hotel (HRESK)



Hospitality Hotel (GRMS)



Protection monitoring relays



Smart kits



Smart building



Future office



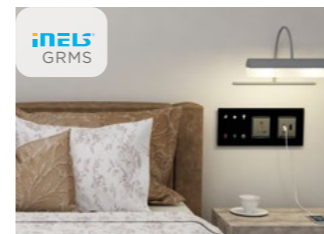
Lighting control



Switches & sockets outlets



iNELS Air - IoT devices



Guest Room Management Systems



Industry



Smart city

SOLUTIONS

INDUSTRY

In industry, RELAYS are an essential part of every electrical installation and machine. Our relays offer a full-fledged industrial automation solution. In addition, for example, a new range of monitoring relays for monitoring machines and equipment in production they are ready to measure quantities with an accuracy of up to 2%, which sets them apart from the cheaper competition.

RELAYS are designed to withstand the demanding operating conditions in industry and can be used in a variety of territories.



Timers



Auxiliary relays



Frequency relays



Voltage relays



Current relays



Speed sensing



Reverse power relays



Power factor relays



Synchro-check relays



Thermostats



Multifunctional time relay



Digital time switch



Power factor monitoring relay



Current monitoring relay



FROM A SINGLE COMPONENT TO A SMART BUILDING

Installation that grows with you

Our products are not available to the ordinary person, on the contrary. They are perfectly modular - you don't have to start with a complete electrical installation, but feel free to choose from small useful little things to complete house automation. From relays, key fobs, lights, dimmers or touch panels.

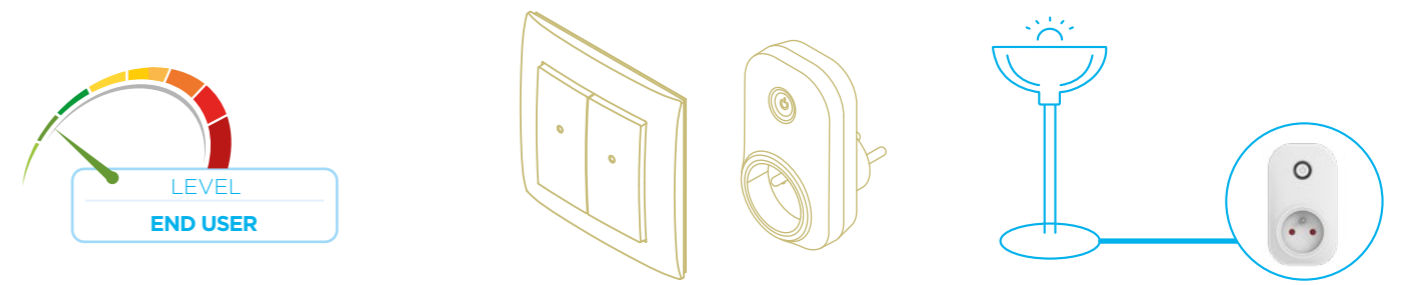
You will find our products in most good electrical equipment stores. In newly designed, clean white boxes with ELKO EP inscriptions. With the certainty of a well-manufactured product, guaranteed technological level and a long warranty.

Do you know that they work even without wiring?



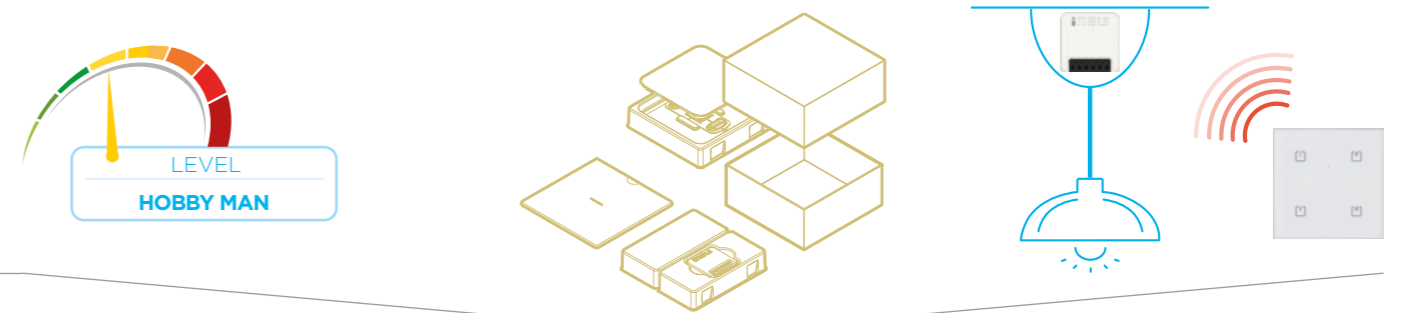
POINT TO POINT

Individual elements of the iNELS system for personalised installation.



KITS

Pre-Set elements for everyday applications.



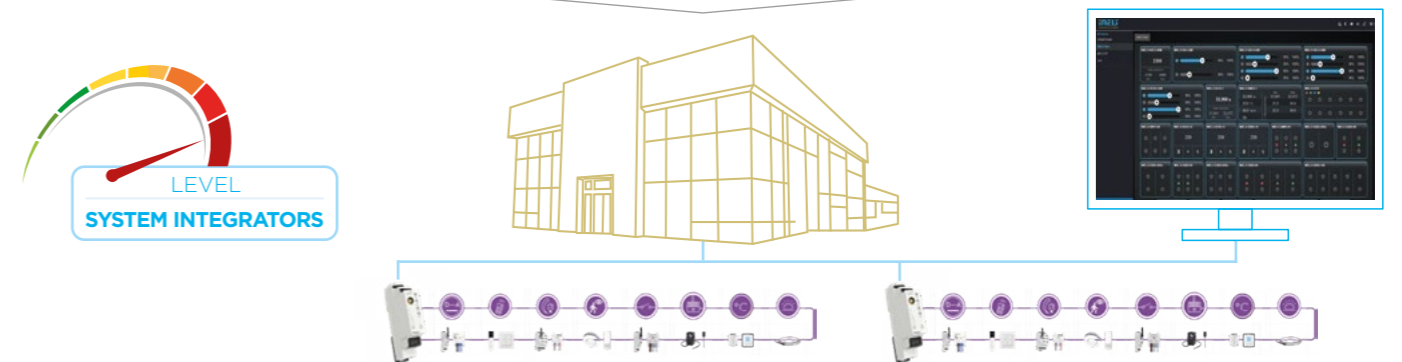
CONNECTED HOME

A simple solution to turn your house into a smart home, without any structural intervention.



SMART BUILDING

When using wireless elements is faster and cheaper.

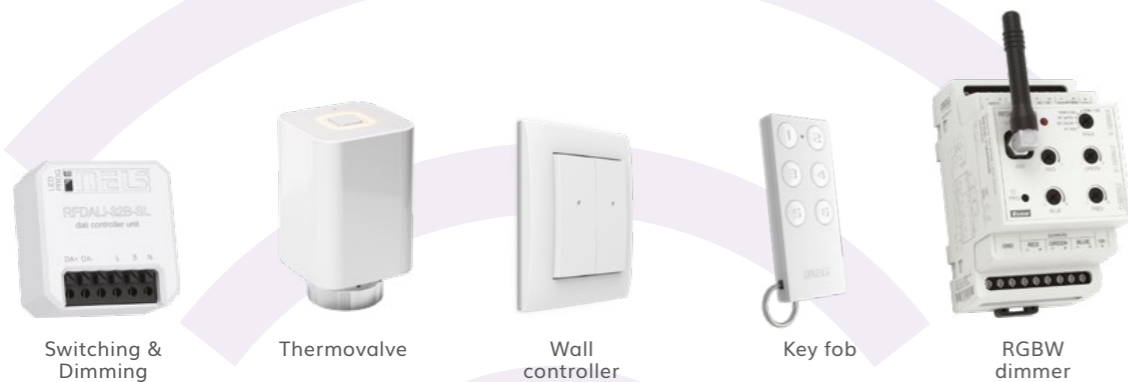


SMART FLAT & APARTMENT

Wireless electroinstallation

Why choose „wireless“? Because you get unlimited possibilities that you will never experience with a classic electrical installation.

Savings comfort and safety - everything you expect from a Smart Home solution. But in the case of wireless wiring, you have one more major advantage. You do not have to undertake any extensive construction modifications whenever you decide on any further change. You just move the controls and switches; you just buy new functions or products. You will get a household that will always keep up with new trends.

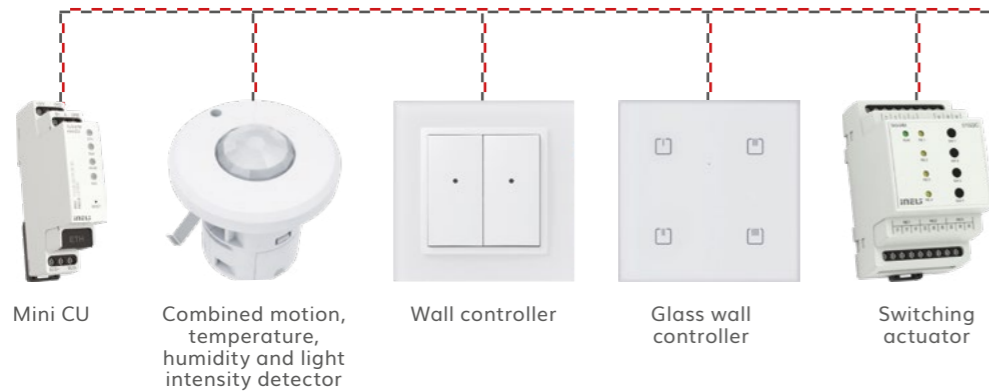


HOUSE & VILLA

Wired (BUS) electroinstallation

Why choose the bus options? It is simple, because you will be reimbursed several times over time, and it will bring a lot of extra comfort.

The system is incredibly modular and flexible. Compared to conventional electrical installation, it brings unlimited possibilities of savings. It has been proven to save up to half of energy expenditure and half of adverse environmental impacts. It unquestionably saves a load of nerves thanks to smoke detectors, flood probes or motion sensors.

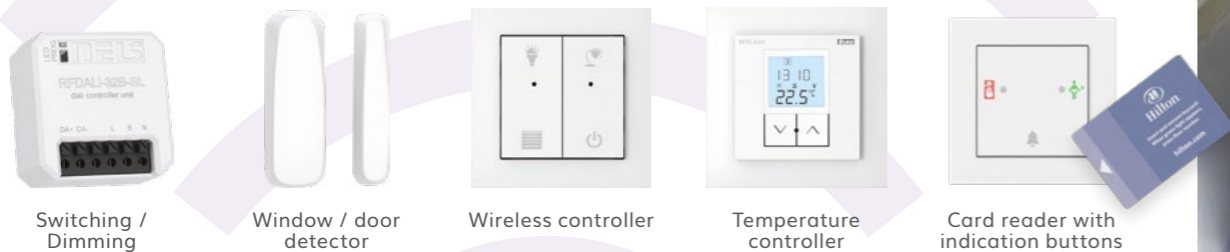


HOTEL RETROFITS

For existing hotel rooms

Do you need to modernize the hotel? There is nothing easier than equipping it with smart technologies. Quick, easy, without drilling or excavating.

The HRESK wireless solution uses communication via a wireless signal. The controls can be mounted anywhere without any cables directly on the furniture, glass wall or in the luminaire. Screw a wireless LED bulb directly into the luminaire, which you can regulate using wall controls. The system can also be extended with wireless motion detectors, window or door detectors or temperature controllers. By deploying the system, you will achieve economical operation of the hotel room and the guest will feel perfect comfort. An extra star for you hotel.



Fancoil control



Motion detector



Dimmable LED

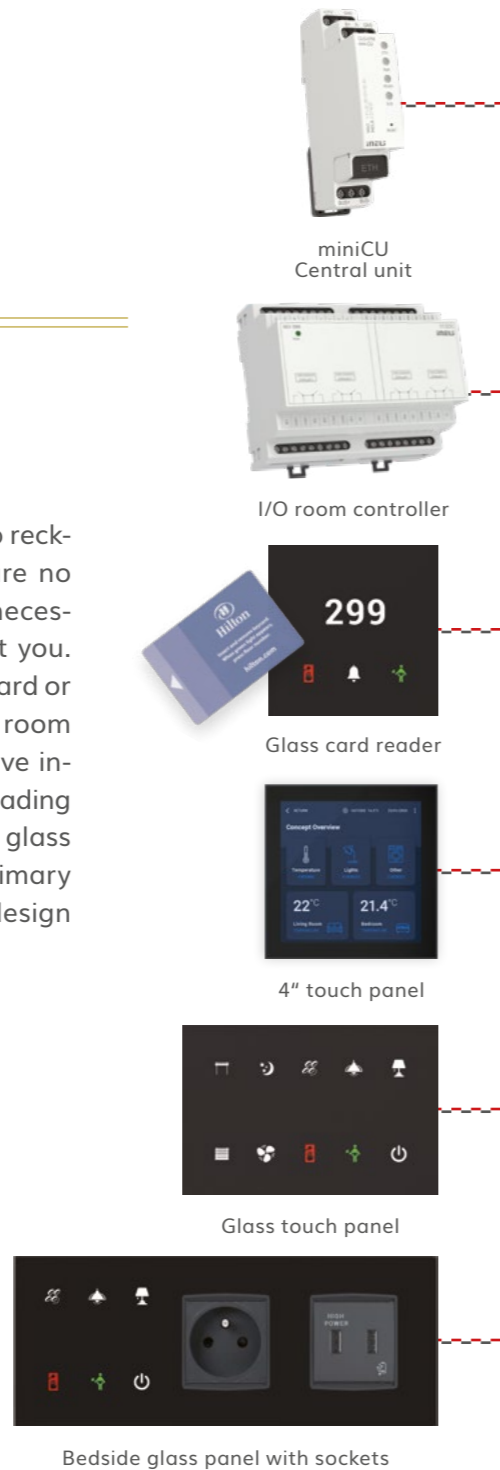
WIRELESS
HRESK



LUXURIOUS SOLUTIONS FOR EVERY HOTEL

For new hotel rooms

If you are preparing a new hotel, you have to reckon with smart technologies. Today they are no longer above standard, but an absolute necessity. Let your guests feel really good about you. From opening the door via the hotel's RFID card or by phone, to setting the atmosphere in the room with an elegant touch panel with an intuitive interface - control the temperature, lighting, shading or music scenes. All these in an attractive glass design in black or white. Because we are primary manufacturers, we offer you customized design modifications in the interior style.



BUILDING MANAGEMENT SYSTEM

When technologies work together

It is an integral part of every modern building. In addition to managing it, it also integrates various technologies in the building into one whole system. Contemporary buildings emphasize energy consumption, safety, a healthy working environment, quality and fast services, and maximise the use of IT technologies and automatic operation. This can only be guaranteed by thoroughly connecting the sensors and actuators of the various systems.

iNELS uses BMS Niagara and Flowbox, which allows the integration described above.



FLOWBOX



Home Assistant



CU3-IPMaster



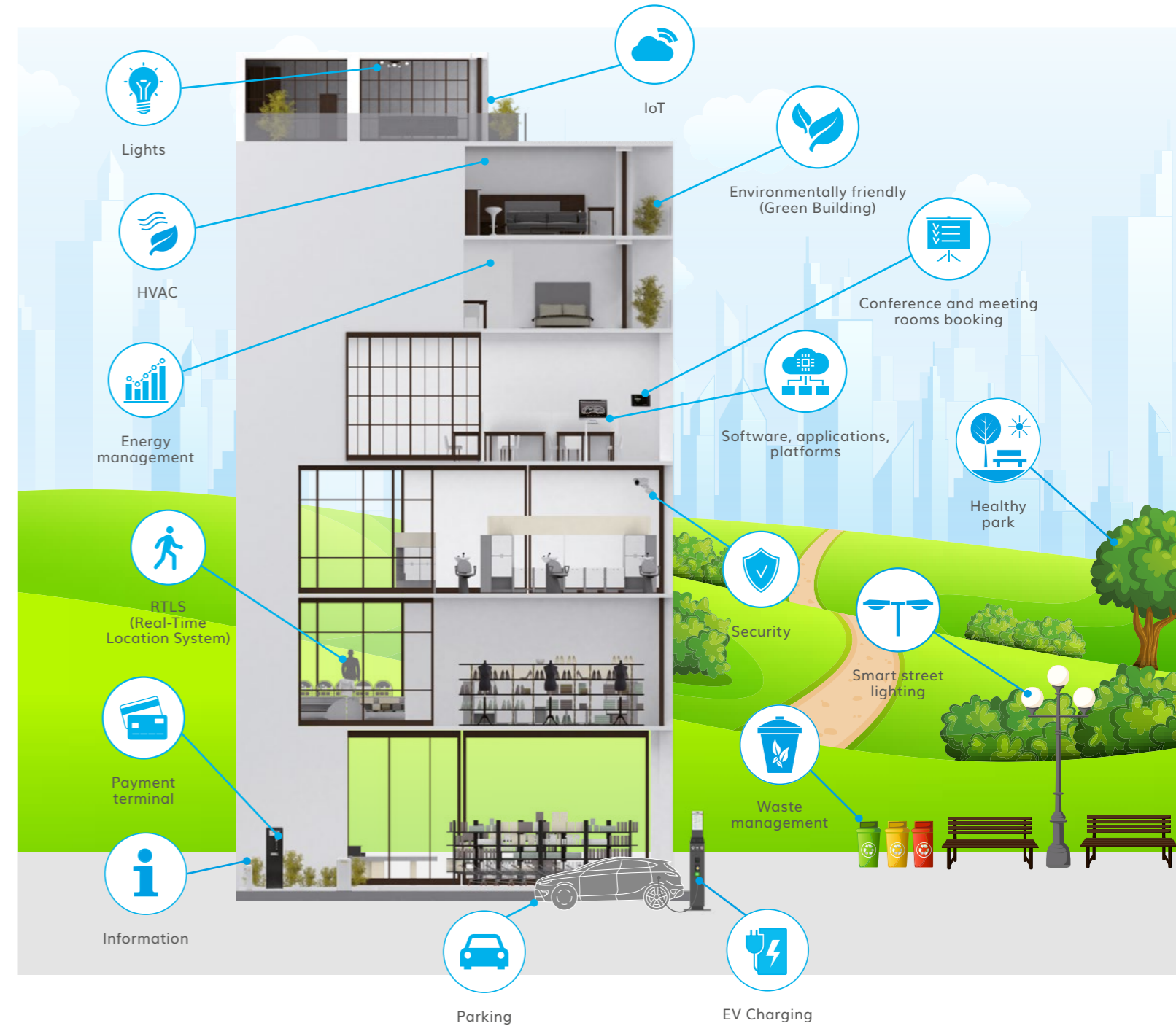
Switching actuator, (22-channels)



Universal dimmer, (6-channels)



Combo I/O unit



WE DO THE BEST FOR THE BEST

ELKO EP is a world leader in the development and production of electronic relays for domestic and industrial wiring. We manufacture more than 200 types of relays. Not only under our own brand but also in OEM design for the world's biggest players.



REFERENCES

Relays, iNELS wireless, iNELS BUS. There are millions of manufactured products, and thousands of references that make the world smarter.

You will find us in apartments, houses and hotels. In offices, banks and production and industrial buildings. In giant agricultural areas and in cities with millions and millions of people. They make sense everywhere. Because they combine efficiency, comfort and ecology.

iNELS connects human needs with technologies.

Private palace
Ryiad, Saudi Arabia



National bank
Timphu, Bhutan



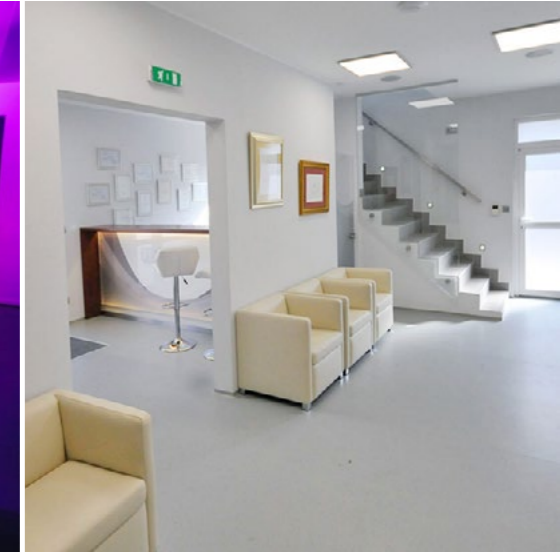
Sunseeker Yacht
Mallorca, Spain



Moni's Jewelry
Budapest, Hungary



Lexus showroom
Lviv, Ukraine



M-Gate clinnic
Pardubice, Czech Republic

www.elkoep.com

