



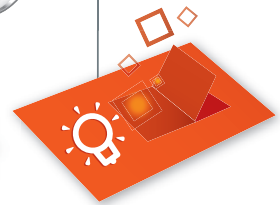
CHOOSE THE RIGHT ELECTRICAL INSTALLATION
WE WILL HELP YOU!



RELIABILITY



UNDER CONTROL

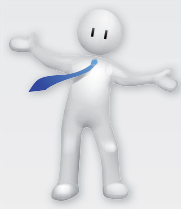


ENTERTAINMENT
WITHOUT BORDERS

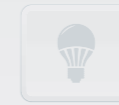


COMMUNICATIONS





ALWAYS SOMETHING MORE...



COMPLEX SOLUTIONS FROM A SINGLE MANUFACTURER!

The company ELKO EP, a Czech manufacturer of modular electronic devices, has been your partner in wired and wireless solutions for over two decades. Our product range has undergone dynamic development, from simple manufacture of modular devices to developing and implementing wireless solutions and sophisticated wired intelligent systems including multimedia control throughout your entire home.

In the past year, we also achieved great progress in getting our systems to communicate with each other, which brings you unlimited possibilities and variations of electrical installations custom-made for your home. A major advantage and founding pillar of our work is our own development capacities and facilities, enabling us to have immediate interaction between you - our customers - and oursel-

ves. We flexibly fine-tune all our products to satisfy not only strict standards, but especially their users in everyday life.

Right now, we are working intensively on interconnecting all of our systems, and we are designing wide-ranging solutions for both new home constructions and existing wiring schemes. We are all accustomed to different standards, and everybody has the chance to raise theirs a few notches higher. We also feature our rich portfolio of control elements, including the award-winning wireless device RF Touch, elegant switches and outlets in a unified and timeless design, and the option of control through security keypads, notebooks, smart phones or iPads. This is all possible, and at ELKO EP, it has now become a reality.



OUR MISSION

- To offer complete wired/wireless solutions
- To offer a wired/wireless solution for everyone
- To make intelligent living available to the general public
- To modernize every household
- To be a reliable partner in the field of electrical installations
- To manufacture fine-quality Czech products
- To provide qualified technical support
- To support the level of technology in households

We offer modernization and automation of your home. With the right electrical installation, any ordinary household can be elevated to a timeless, modern home. It is easy to take an ordinary switch and make it wireless - you can control lighting and heating from a single place. Images from IP cameras may be viewed on the television or control touchscreen panels. You have access to your home from anywhere on earth, and you can both check it and regulate it remotely.

MORE TIME FOR YOUR LOVED ONES

With an intelligent wired/wireless solution, you have more time available for truly important moments. You can set the heating regulation up to a week ahead of time. Your home will take care of itself. The so-called vacation mode assures that your house will not freeze in the winter, but will not heat excessively either. You will also value the arrival/departure functions - where after entering a code at the entrance door, the individual mode of the recognized user starts.



WE SEE TO YOUR SECURITY

The system contains an alarm that can be connected to a security agency. Select simple home access - under the code on the keypad or via chip card. You now no longer need to worry about losing your keys - just change the code from time to time. You can password-protect your home in many levels (ex. preventing child access for safety reasons). Your home will inform you by SMS on changes to the status of your home.



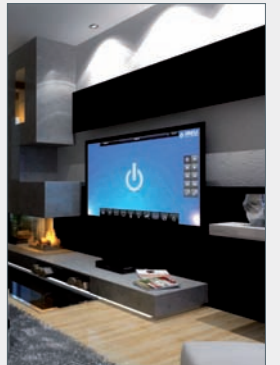
LIGHT AT YOUR SERVICE

You can centrally switch, dim or create light scenes for all lights both outside and inside the home. We can dim all light sources (energy-saving, LED or fluorescent lamps, RGB strips). The arrival/departure function relieves you of having to check the whole house to see if you have really turned everything off. And when you simply have to leave in a hurry, you have control over lights thanks to remote Internet access - you see that your lights are not needlessly wasting energy.



A NEW WAY TO LOOK AT TELEVISION

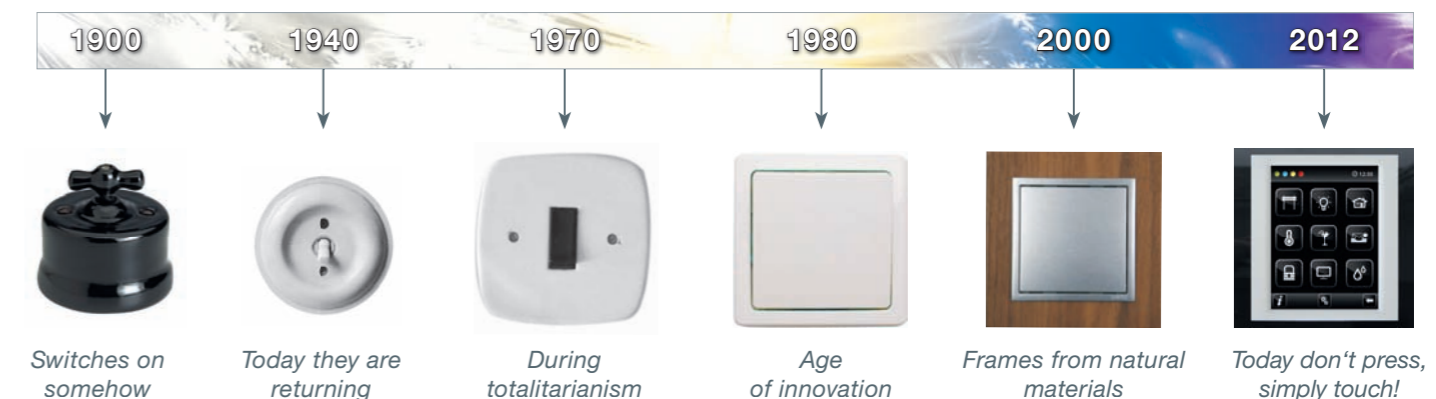
We offer you the possibility of controlling the entire house through the television screen (regulation of lighting, heating, blinds - i.e. all elements connected in the iNELS system). You can create the plan for the room, floor or entire home just the way you like. Thanks to IP cameras, you have a clear view of what's going on in front of the house, in the children's room, or garage. You can see what your kids are currently watching on TV in the other room. You can also open the door remotely for invited visitors.



WE ELEVATED THE SWITCH TO A CONTROLLER!

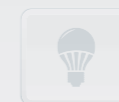
Let there be light. The thrill from the miracle of safely using controlled lighting eventually moved to a time when people now demand more sophisticated control. Various types of switches came along, adorning and distinguishing themselves in home furnishing. So times have gone from having one type of switch to ones that became very clever and even fun to use. But they still only swit-

ched light on and off. In time, switching was no longer enough, and it was time to push development a bit further. So the market saw the arrival of switches that could dim light. Just as we were getting used to this, comfort increased yet again with the onset of wireless technology. This brought the definitive end to barriers and limitations.





HIGH-IQ LIVING



How to proceed when designing an intelligent wired or wireless solution? You do not need to be an electrician, but you must know what you want.

It is important to realize what to expect from this new lifestyle. Savings, comfort, safety, clear view, automation? We all have different priorities, and the electrical installation you choose can flexibly match them. The wide range of appliances and home furnishings require a combination of functions. This ranges from those most vital for ordinary living (lighting, heating) to above-standard luxury (multimedia, wellness).



WE WILL GUIDE YOU!

We have prepared case studies for you of a house, an apartment and a hotel room. We applied a sample installation in each design based on a relay, wireless solution, intelligent wiring system and multimedia extensions. iNELS smart home solutions bring all this to you either individually or in combined fashion.

<http://www.elkoep.com/download/>

? Specify devices

If you are building or planning a major reconstruction, you certainly have at least sketch, or better yet, a project for obtaining a building permit, into which you can draw places where controllers, lights, blinds, etc. will be placed. To help make sure you have not left anything out, review our checklist ready for download at the Website inels.cz, where you can also have the project interactively priced.



✍ Project: yes or no?

The answer is far from definite. There are investors who want to have everything drawn to the last detail, whereas others save on design. In the case of an intelligent electrical installation, it is best to join up with a partner who will take care of the project from A to Z. Most are planned based on sketches and drawings. The true custom-designed project is completed only at the time of actual implementation. You may enjoy such flexibility because controllers are installed in predetermined locations, and their functions are only programmed at the very end.



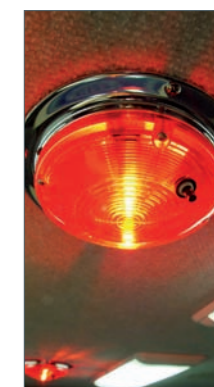
❄ Heat pump and air conditioner unit

If the given equipment thus enables so with manufacturer support, the best option is to interconnect with a system via a „known communications interface“ (ex. RS232, 485 or Ethernet). We provide their function control through a touchscreen panel - flush-mounted to the wall or a portable tablet. Request information of the supplier as to whether they offer third-party device control. If so, you do not need their standard wall controller.



📡 Alarm

The system contains its own alarm. All detectors (motion, smoke, door, etc.) are installed into the system, and provide information on system activity. Besides activating the alarm, detectors can be used for other functions as well - the motion detector can turn on a light, a window detector can switch on/off air-conditioning or heating. The system includes a keypad for entering codes and via its GSM module, it can send information on an alarm to the user or a security agency.



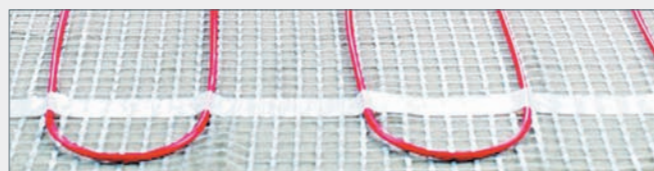
💡 Lighting control

The system can not only switch, but also dim various types of lighting, including fluorescent lamps and next-generation LEDs. Another benefit is the ability to pre-set light scenes, which enable you with one touch to set multiple lights to the desired level, ex. switch off everything (leaving home), turn everything on (party), or watching TV (40% brightness).



🌡 Heating regulation

The system can control both water (central, underfloor), as well as electrical (floor, convector) heating. Each actuator has a temperature sensor, and offers the option of controlling temperature through a temperature controller or touchscreen panel. By combining indoor and outdoor sensors and by regulating a valve, it is possible to achieve weather-compensated control.



💧 Sprinkler systems

Valves of individual branches are controlled based on a programmable time program or in relation to temperature or humidity. Of course it can be controlled manually or by touchscreen panel.



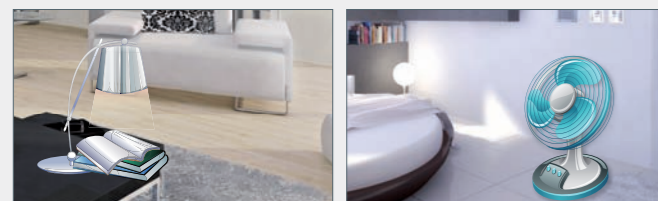
🏊 Pool

It is possible to arrange all functions in the system so that a switching unit is inserted into the pool circuit, which then runs the filter pump, pH and chlorine dosing system, as well as the swim current generator, pool lighting or filling flow.



🌸 Switching appliances

Practically every electrical appliance may be controlled by the system. Outlets are most frequently controlled, into which appliances are connected. You can then dim a lamp for example or turn a fan on or off.



📄 Controlling blinds

The system contains actuators for electrical control of shutters, blinds or awnings. You can control them by pressing the button manually, or automatically based on time or weather conditions from a connected weather station. Make sure the supplier deducts power sources (you can power up centrally) and their controllers from the price.



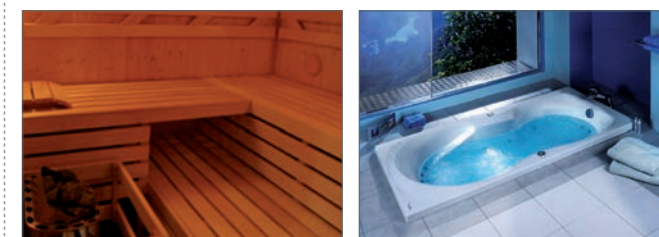
☀ Solar energy system

In solar energy systems, the temperature difference between solar panels and the storage tank is measured. Also - based on the number of applied heat exchangers - temperatures are measured for underfloor heating, heated pool water or service water. All inputs and outputs are fitted with heat sensors, and through simple programming (according to a prepared manual), it is possible to save a bundle on the control unit from the supplier.



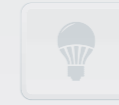
🌫 Sauna, whirlpool

Does the thought of a freshly drawn bath or preheated sauna sound attractive to you? You can run both at a set time, and when the required temperature is reached, the system lets you know by sending you an SMS.





POSSIBILITIES FOR CONTROL



WALL SWITCHES

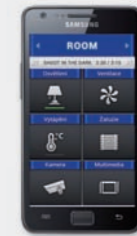
We all have them everywhere at home. We use them to control mainly light, but also ex. blinds, an access gate or a pool cover. In an intelligent wired/wireless solution, you can relocate switches anywhere and change their function. Whenever you want or need it.



SMART PHONE

We're moving with the times. These times are seeing dynamic expansion of standard functions. We are not designing new controllers, but are rather developing applications that make any smart phone a perfect controller. Not only can you see what's going on at home anytime, you can remotely control it and put everything in order (ex. switch off lights, start the sprinklers or heat the home).

Android
SmartPhone



Apple
iPOD/iPAD



WIRELESS KEY CHAIN

Your key chain will be a practical helper that can control all elements of the iNELS RF Control system. You can set the most frequently used functions in 4 positions, and always have them at the tip of your fingers. Use it in the car to open the entrance gate and garage door, or to switch on/off outdoor or indoor lights. You need not walk up to a switch, the key chain will go where you need it to.



TOUCHSCREEN PANEL

Touch it. Touchscreen panels are designed for controlling everything simply and clearly. You can control all the functions of your intelligent electrical installation using a flush-mounted wall panel or a tablet, which you can always take wherever you go. Now you can see who is ringing the doorbell, open the door remotely or check the weather report. So don't hesitate and touch.



REMOTE CONTROL

The originally designed remote control - an element to your iNELS RF Control system - brings you even greater possibilities. These include not only regulation of lighting and control of blinds/shutters/awnings/garage doors, but also light scenes, where several commands are performed at once. On the remote control OLED display, you can choose the content of the „favorites“ folder, and your most frequently required commands (up to 40 devices) are there in the palm of your hand.



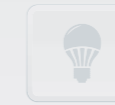
CONTROL USING THE TV

You will add a new channel to your list of TV channels - it will be called HOME. From the comfort of your couch, you have control over the entire house, you can browse the Internet, enjoy viewing photographs, watch movies, listen to music, all without the need to insert or search for data disks. Everything is stored in a central Storage Unit, and remains at your fingertips anywhere in the home. You then have time to concern yourself with more important matters.





CHOOSE THE RIGHT ONE!



PRICE OF INSTALLATION

Control using the TV	-
Tablet / SmartPhone	-
PC / Notebook	-
Music playback	-
Video cameras	-
Weather station	-
Door communicator	-
Controlling home appliances	-
Touch panel	-
Control via GSM telephone	-
Detectors	-
Group controller	-
Heating regulation	●
Controlling blinds	●
Dimming lights	●
Controlling appliances	●

CLASSIC ELECTRICAL INSTALLATION

Electricity is a necessary companion to our everyday life and follows us almost wherever we go. Not only does it provide us with light or a means of cooking, but it also gets us around from point A to point B. Everybody knows where to find the home electric control panel and what to do when the power goes out. We make all the devices that go into such control panels and switchboards, and have been selling them for almost 20 years.

Our assortment includes all modular electronic devices (time relays, installation contactors, staircase switches, timers, dimmers, thermostats, power sources, control and signaling devices).

Thanks to experience, we stand on solid foundations, and we are responsibly developing wide-ranging additions in the form of higher levels of electrical installations - either wireless or intelligent (bus-based).

Energy savings:



PRICE OF INSTALLATION

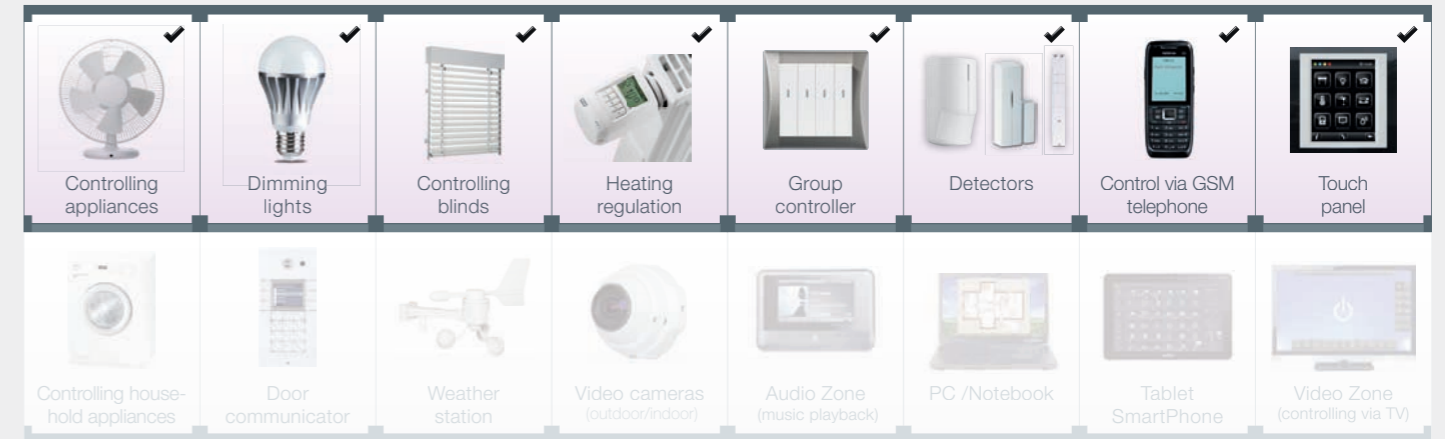
Control using the TV	-
Tablet / SmartPhone	-
PC / Notebook	-
Music playback	-
Video cameras	-
Weather station	-
Door communicator	-
Controlling home appliances	-
Touch panel	●
Control via GSM telephone	●
Detectors	●
Group controller	●
Heating regulation	●
Controlling blinds	●
Dimming lights	●
Controlling appliances	●

WIRELESS ELECTRICAL INSTALLATIONS

Most of you have a house already built or apartment already furnished. If you want to breathe life into your home, we have an elegant wireless solution ready for you. As the name suggests, the system communicates wirelessly with a range up to 200 m (depending on internal structure of the house/apartment and applied building materials).

The central brain in this case is the RF Touch wireless control touchscreen device, which can be conveniently installed anywhere. It is possible not only to program, but also to control the entire system from this device. It is a smart replacement for multiple thermostats and controllers. You have unlimited possibilities in the system to add controllers and install them at suitable locations. For extending a signal, it is possible to use a repeater (RFRP-20), which simply connects into a socket.

Energy savings:



PRICE OF INSTALLATION

Control using the TV	●
Tablet / SmartPhone	●
PC / Notebook	●
Music playback	●
Video cameras	●
Weather station	●
Door communicator	●
Controlling home appliances	●
Touch panel	●
Control via GSM telephone	●
Detectors	●
Group controller	●
Heating regulation	●
Controlling blinds	●
Dimming lights	●
Controlling appliances	●

BUS ELECTRICAL INSTALLATIONS

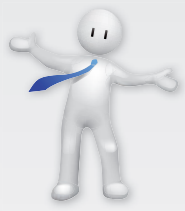
Are you building a new home? Then you should consider a bus-based solution. A bus in this sense is a data conductor that is distributed in the walls across the entire home. As opposed to a wireless solution, its advantage is range, because up to 6 x 550 m buses can be distributed in a single building.

Connection to a computer expands the scope of its available functions. This system may be expanded to include multimedia extensions and can connect third party devices (household appliances, A/C, etc.). Control and monitoring the system can be performed via PC, the Internet, telephone, tablet, etc.

The system offers a wider range of functions that can be applied. A computer is used to set the parameters.

Energy savings:

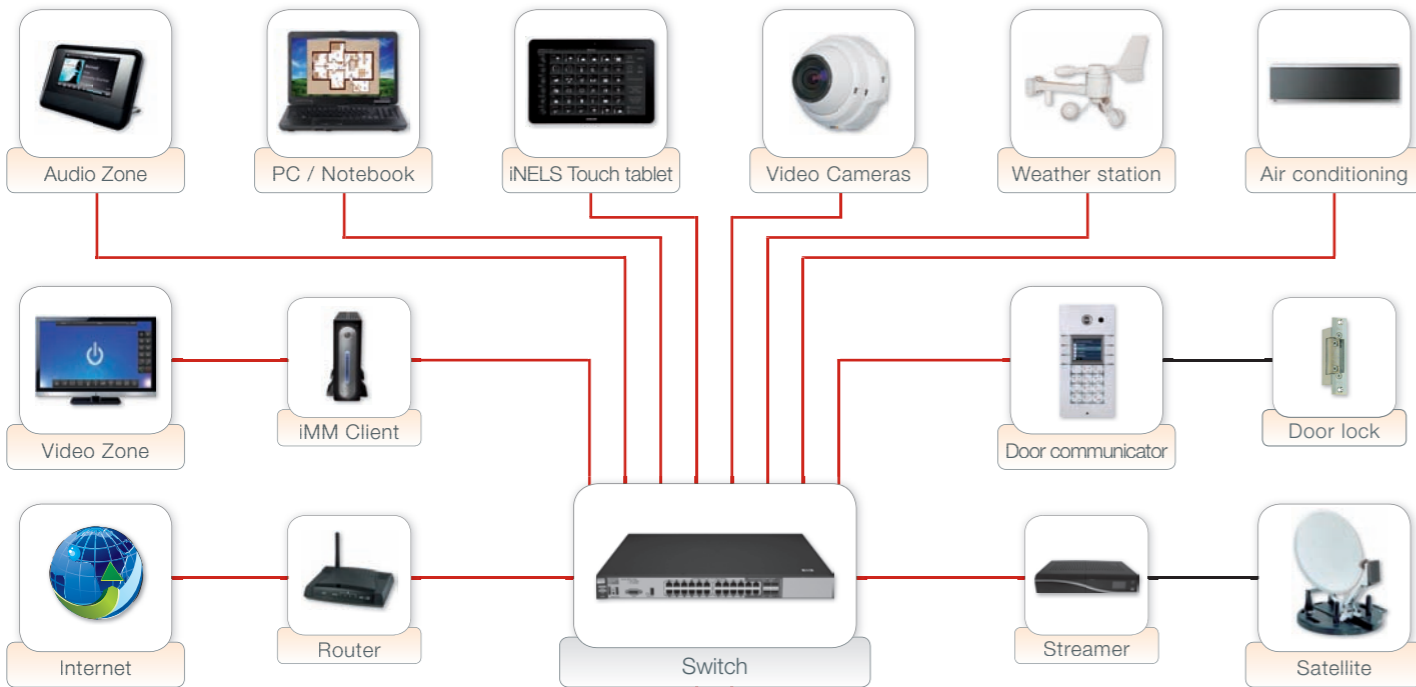




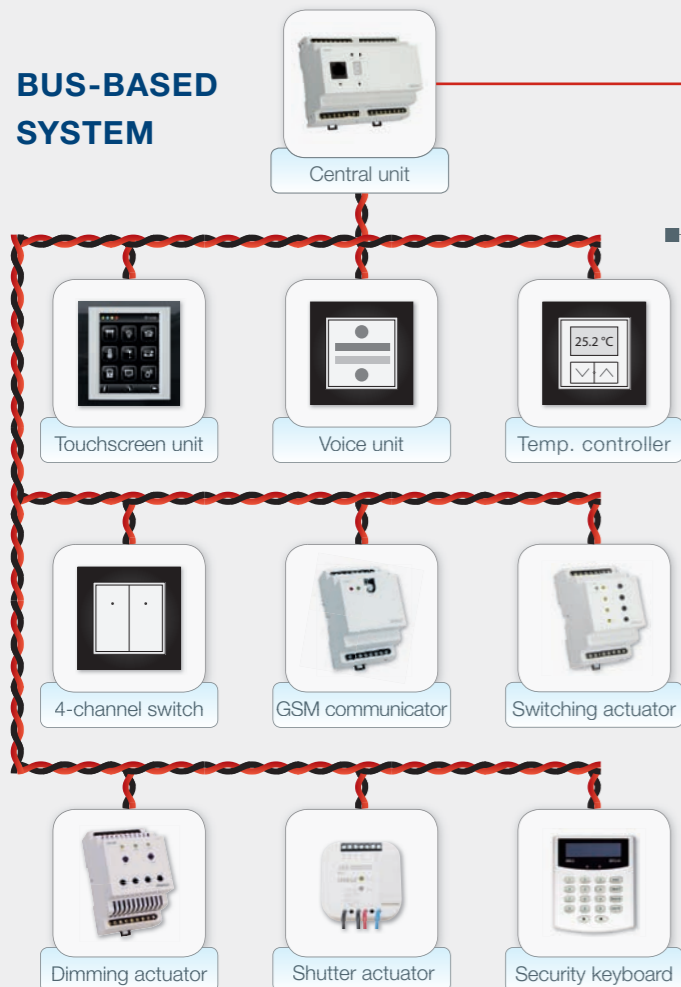
COMPREHENSIVE SOLUTION



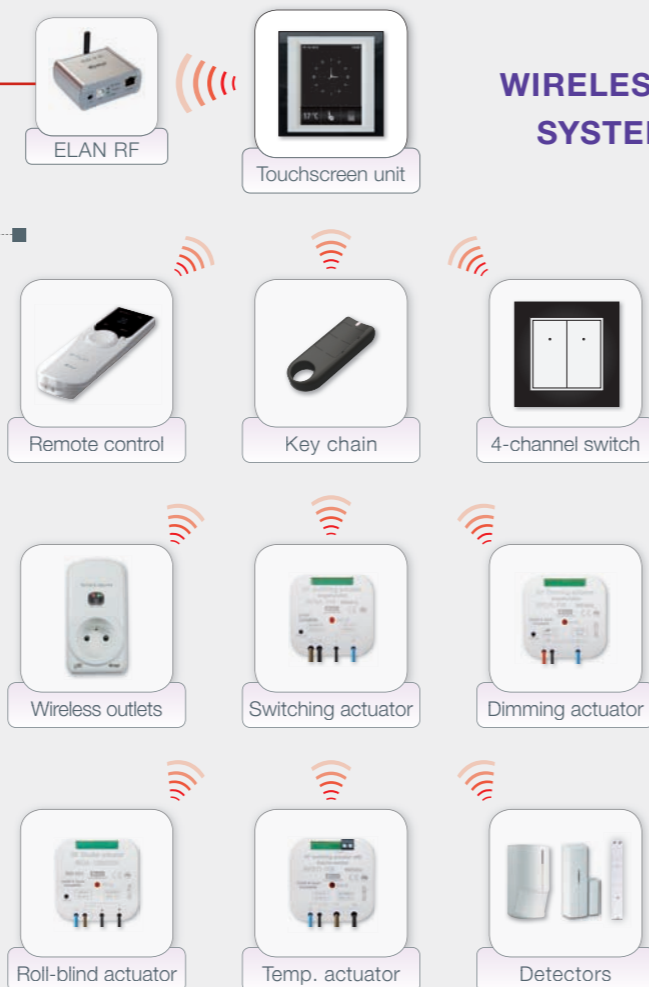
MULTIMEDIA EXTENSION



BUS-BASED SYSTEM



WIRELESS SYSTEM



THIRD-PARTY INTEGRATION

What do we imagine when we hear „third-party integration“? For you, it means that besides having a luxurious touchscreen panel in a stylish frame, you can rid yourself of those unsightly switches framed in white plastic. Integration of third parties is also a milestone, thanks to which our iNELS smart home solutions system has become even more complex. We can connect the equipment listed below with the system in a way where you can control everything through one iTP touchscreen tablet. For example, the IMM Client can communicate with the television or amplifier so intelligently that you no longer need that pile of remote control devices, but rather, just a single Gyro Control!



However, the concept of third-party integration does not only mean that it can only switch these devices on or off, but through certain interfaces (RS232, 485, Ethernet), we can control all of their functions while even displaying their individual statuses.

We support „third parties“, so that we could bring you an absolutely complete solution, made to suit each of you individually. What kind of appliances do you want for your new home?

TELEVISION



SHARP
LOEWE.
LG

HOUSEHOLD APPLIANCES



Miele
Washers / Driers /
Dishwashers /
Vacuum cleaners /
Built-in ovens /
Cooktops

AMPLIFIERS



BOSE
Pioneer
NAD

VIDEO CAMERAS



AXIS
VIVOTEK
OvisLink

AIR CONDITIONING



LG
DAIKIN

LIGHTING



DMX
DALI
0 - 10 V





OVER 600 iNELS INSTALLATIONS!



COTTAGE



USES	
Switching lights	●
Dimming lights	●
Switching appliances	●
Heating	●
Air conditions	-
Heat pump	●
Blinds / Shutters	●
Alarm	●
CONTROL	
By PC	●
By GSM telephone	●
By voice	●
BY IR controller	●
By Touch Panel	-

Our systems have even found a home in a log cabin. You will especially appreciate the flawless remote monitoring and control.

Location: **Černý Důl**

APARTMENT UNIT



USES	
Switching lights	●
Dimming lights	●
Switching appliances	●
Heating	●
Air conditions	-
Heat pump	-
Blinds / Shutters	-
Alarm	●
CONTROL	
By PC	●
By GSM telephone	-
By voice	●
BY IR controller	●
By Touch Panel	●

Control of lighting and heating is the customer request we hear the most. We can resolve these needs with ease.

Location: **Přerov**

HOTEL



USES	
Switching lights	-
Dimming lights	-
Switching appliances	●
Heating	●
Air conditions	●
Heat pump	●
Blinds / Shutters	-
Alarm	-
CONTROL	
By PC	●
By PDA	-
By GSM telephone	-
BY IR controller	-
By Touch Panel	-

Leave your worries with heating and air conditioning behind while you provide your guests with luxurious experiences.

Location: **Velké Karlovice**

TECHNOLOGICAL PARK



USES	
Switching lights	-
Dimming lights	-
Switching appliances	●
Heating	-
Air conditions	-
Heat pump	-
Blinds / Shutters	●
Alarm	-
CONTROL	
By PC	●
By PDA	-
By GSM telephone	-
BY IR controller	-
By Touch Panel	-

Central control of appliances and window darkening is something that makes everyday life easier.

Location: **Pardubice**

FAMILY HOME



USES	
Switching lights	●
Dimming lights	●
Switching appliances	●
Heating	●
Air conditions	●
Heat pump	●
Blinds / Shutters	●
Alarm	●
CONTROL	
By PC	●
By GSM telephone	●
By voice	●
BY IR controller	●
By Touch Panel	●

New builds and reconstructions - wherever a high-quality electrical installation is required.

Location: **Holešov**

PASSIVE HOUSE



USES	
Switching lights	●
Dimming lights	●
Switching appliances	●
Heating	●
Air conditions	●
Heat pump	●
Blinds / Shutters	●
Alarm	●
CONTROL	
By PC	●
By GSM telephone	●
By voice	-
BY IR controller	-
By Touch Panel	-

Control of air-recuperation is a standard in any passive house.

Location: **Kroměříž**

DEPARTMENT STORE



USES	
Switching lights	-
Dimming lights	-
Switching appliances	-
Heating	-
Air conditions	-
Heat pump	-
Blinds / Shutters	●
Alarm	-
CONTROL	
By PC	●
By PDA	-
By GSM telephone	-
BY IR controller	-
By Touch Panel	-

There are places where people meet happily and often, and department stores and malls are just such places. So why not feel at home?

Location: **České Budějovice**

REHABILITATION CLINIC

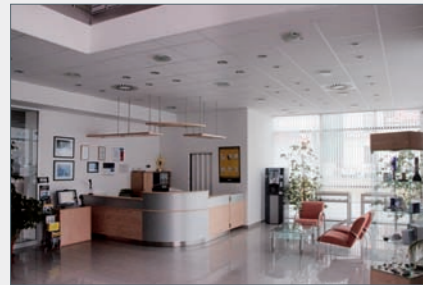


USES	
Switching lights	-
Dimming lights	-
Switching appliances	-
Heating	-
Air conditions	-
Heat pump	-
Blinds / Shutters	-
Alarm	●
CONTROL	
By PC	●
By PDA	-
By GSM telephone	-
BY IR controller	-
By Touch Panel	-

In places where people care for others, a system that takes care of itself is a welcome plus.

Location: **Teplice**

ADMINISTRATIVE AREAS

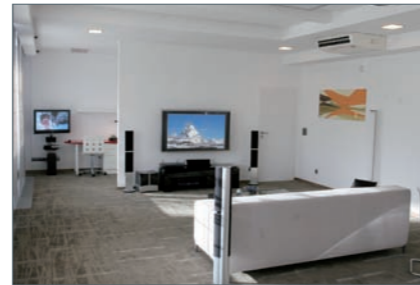


USES	
Switching lights	●
Dimming lights	●
Switching appliances	-
Heating	●
Air conditions	●
Heat pump	-
Blinds / Shutters	●
Alarm	●
CONTROL	
By PC	●
By PDA	-
By GSM telephone	●
BY IR controller	-
By Touch Panel	●

Our solution is appropriate not just for family houses and apartments, but also for large, multi-functional buildings.

Location: **Holešov**

SONY CENTRUM



USES	
Switching lights	●
Dimming lights	●
Switching appliances	●
Heating	●
Air conditions	-
Heat pump	-
Blinds / Shutters	●
Alarm	-
CONTROL	
By PC	●
By PDA	-
By GSM telephone	●
BY IR controller	●
By Touch Panel	-

Showroom owners appreciate the savings and central control as well as the possibility of third-party integration.

Location: **Praha**

FRENCH RESTAURANT



USES	
Switching lights	●
Dimming lights	●
Switching appliances	-
Heating	-
Air conditions	-
Heat pump	-
Blinds / Shutters	-
Alarm	-
CONTROL	
By PC	-
By PDA	-
By GSM telephone	-
BY IR controller	-
By Touch Panel	●

You can create a magical atmosphere by effective dimming of lights, and liven up an interior by simply using a touchscreen panel.

Location: **Praha**

CASTLE



USES	
Switching lights	●
Dimming lights	●
Switching appliances	-
Heating	-
Air conditions	-
Heat pump	-
Blinds / Shutters	-
Alarm	-
CONTROL	
By PC	-
By PDA	-
By GSM telephone	-
BY IR controller	-
By Touch Panel	●

Wherever it is necessary to preserve historical treasures, our wireless systems fit in perfectly.

Location: **Holešov**



SHOWROOMS - RECENTLY OPENED



MIELE'S LARGEST SHOWROOM IN THE CR



The area is broken down into several sectors, of which we control one using the iNELS system. You can try out controlling using the touch panel (10.4") - it is possible to control the light LED ramp for washers and driers, LED lighting of the entire room. An IP camera is also installed here monitoring the entire area, and the camera image can be displayed on the wall panels and touchscreen tablet alike.

MIELE GALLERY
Spielberk Office Center
Holandska 4
639 00 Brno
Czech Republic

SYKORA SHOWROOM



One of the largest showrooms of luxurious kitchens connected to the Mija Therm showroom, a supplier of all forms of glass, Miele appliances and AV components from the company Basys - all of this controlled by the iNELS system.

iNELS controls everything from lighting to blinds, a retractable glass ceiling or fountain pump, or even an electric glass privacy wall.

A touch of the tablet icons can start light scenes - ex. kitchen projections, cooking show, presentations, etc.

MARTIN TUMA
SYKORA KITCHEN PRUHONICE
OD Shoppark, Pruhonicka 119
251 01 Pruhonice - Gestlice
Czech Republic

ELKOMA LIGHT STUDIO SHOWROOM



As a store specializing in lights, it has access to the most modern types of illumination technology with high demands on design. You can try out the wireless control system right in the store. iNELS RF Control enables wireless control of electronic devices, appliances, light dimmers, controllers of roll blinds and shutters, garage doors, entrance gates, swimming pool covers, timer-based appliance switching and more.

ELEKTRODUM ELKOMA
Rasinova 467
760 01 Zlín
Czech Republic

ELPOS SHOWROOM



With 3,500 m² of sales floorspace, Elpos is one of the largest retail stores in the CR. Here, you can try out both the iNELS RF Control wireless system and the bus-based iNELS system including multimedia extensions.

ELPOS
Dolní náměstí 314
755 01 Vsetín
Czech Republic

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CONTROLLING THE HOME USING AN iPad AND PCTABLET

Demo application for a tablet, by which it is possible to control not only lighting or blinds, but also multimedia or outdoor equipment (pool, sprinkler system, weather station or outdoor lighting). The house can be controlled remotely via the Internet from a tablet anywhere on earth. Find out more at www.inels.com



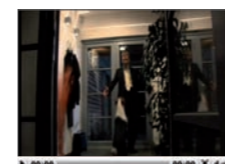
UNEXPECTED VISITOR? iNELS CAN HANDLE IT!

See how an ordinary evening turns into quite an experience with an original atmosphere. You don't have to wait long for the happy ending.



WHAT IS IT LIKE LIVING IN AN iNELS HOME?

We invite you into our intelligent home to see for yourself how thrilling the iNELS systems in combination with a multimedia extension.



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iNELS at your service. Had a hard day? Before you come home you will have everything ready - a lighted walkway, dinner, bath...relaxation, which you certainly deserve after a long, hard day. Find out more at www.inels.com



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Presenting RF Touch, the wireless touchscreen unit that will make your life easier and more pleasant. Without having to drill holes in the wall, you will have the entire home at your fingertips.

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Would you like to expand your system to include the latest innovations?
Do you need to consult with someone regarding your installation?
Contact our ELKO EP technical support department.

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