ilevia

beyond
Building Automation

ilevia

ilevia was founded in 2006 as the Home & Building Automation division of a market leading Italian electrical installation company. Since then, ilevia has formed strong relationships with many companies in order to develop innovative smart home solutions. Today, it counts International distributors and boasts more than 150 partners worldwide all sharing a common vision and dedication to innovation.

www.ilevia.com

A COMPLETE SOLUTION

Simple and intuitive control of houses and buildings with EVE system

EVE is a smart home and building control solution, it allows for the control and supervision of electrical installations and is suitable for both residential and commercial applications (e.g. hotels, boardrooms, offices).

EVE is a multi-protocol solution allowing you to manage all the functions of the systems integrated into your smart building, enhancing your lifestyle and providing better comfort, security, safety and energy savings. The different functions are handled through a simple and elegant highly customizable interface. EVE allows control of houses and buildings using your iPhone, iPad, Android smartphone or tablet, Windows PC and Mac.

SMART HOME

From homes small to large, new and old, EVE delivers power and performance on one platform that coordinates the house's technology into brilliant experiences.
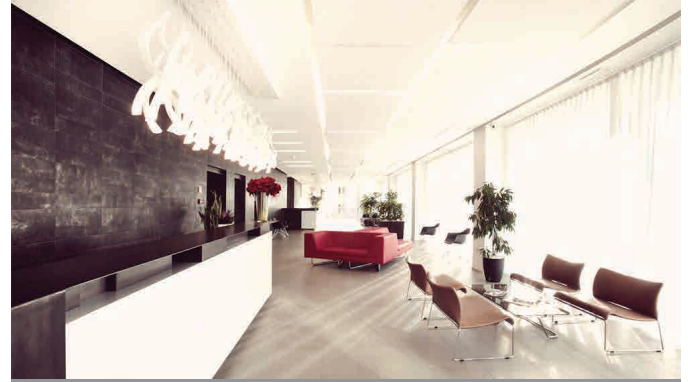
SMART BUSINESS

EVE manages smart buildings to speed up routine operations, simplify maintenance and improve energy saving while adding value due to integrated systems.

Microsoft Azure

Google Cloud Platform

amazon
web services

CLOUDS

eve
server

KNX

Modbus

Z-WAVE

enocean

IoT

SECURITY

ACCESS
CONTROL

IP CAMERAS

MULTIMEDIA

SYSTEMS

BUSSES

WHY CHOOSE THE SYSTEM EVE

Tailor Made

With EVE you are getting a flexible and scalable system that responds to your needs as they change. It supports installations with integrated standard systems, whilst also meeting the needs of the more complex buildings. It is capable of allowing several systems to communicate with each other simultaneously. EVE systems can be implemented all at once or gradually. With an EVE system you can choose functions you require and design the control interface to meet even the most demanding customers needs.

Highly Customizable

Everything can be decided during the configuration phase or after. EVE system facilitates a high level of graphic customization: icons, wallpapers, positioning can be customized in order to satisfy even the most discerning customer. The EVE system allows different users the control of different views and commands of the same plant at the same time while each having an independant fully customized interface. Security is also guaranteed thanks to personal access with password and restrictions. EVE lets you express your individuality.

Future-Proofing

Right now there are many different organizations working on developing solutions compatible with both current and proposed future technological changes. We are ahead of the game and offer solutions and integration with the most promising protocols. We guarantee that devices you buy and install today will still be supported in the future. We integrate new open standards, proprietary protocols and new appliances with the aim to keep the Smart Home not only in pace with the time, but allowing you to extend and upgrade your system throughout the life of the building. EVE thinks of the future!

DISCOVER
EVE CENTRAL UNITS

Choose the server that best suits you

All of EVE's central units are designed to manage an entire automation system. They are hardware solutions for advanced needs in the automation of residential, commercial and industrial buildings. We provide you with three different lines of product and we guide your decision depending on the project's specifications. You can pick one of the two central units with varying amounts of power and memory, add busses through our multibus interface (optional external module) or you can opt for the compact solution, equally reliable but much more affordable.

Also with

Aluminium Case

A unique design that highlights attention to details and adds value to the whole installation.

EVE X5

Powerful and agile, perfect for large projects. EVE X5 is intended for commercial project: hospitals, schools, malls and large office buildings.

Chassis: Rack 1-2 U
Power: According to manifacturer
Warranty: 1 year

Multibus Interface (Optional)

KNX   Modbus
ZWAVE   enocean

Malls

Hospitals

Office Buildings

EVE X3

EVE X3 is the ideal fit for large residential houses, hotels, yatchs and small offices. It will control anything and will be the heart of your automation system.

Enclosure: 8m Module DIN Rail
Power: 5 VDC - 3A
Warranty: 2 / 5 years

Multibus Interface (Optional)

KNX   Modbus
ZWAVE   enocean

Villas

Hotels

Yatchs

EVE X1

EVE X1 is our most applicable smart building control unit. It is the best solution for apartments, small to average residential houses and small commercial projects.

Enclosure: 4m Module DIN Rail
Power: 5 VDC - 3A
Warranty: 2 years

KNX

Modbus

ZWAVE

enocean

Apartments

Houses

Shops

WHY PICK
ONLY THE SOFTWARE

Choosing your controlling hardware unit

You can also get just the server software (EVE Suite), use your own hardware as the central controlling unit and add busses through our external module according to your needs. This is the most economical option to get an EVE solution. This option is particularly recommended when a need arises to showcase or demonstrate possibilities with EVE.

RASPBERRY PI

The Raspberry Pi is a highly popular credit card-sized computer, which can be used in many electronic projects, and for many other applications. They are very easy to find and purchase, Raspberry Pi's are available all over the world without restrictions.

VIRTUAL MACHINE

An application environment that is installed on software and emulates hardware resources. Virtualization limits costs by reducing the need to purchase more physical hardware systems.

Multibus Interface
(Optional)

KNX   Modbus

ZWAVE   enocean

Houses

Demos

Tests

Use your hardware as a backup solution

The possibility to install the software on different hardware is helpful for installers as it gives the installer the possibility for multiple backup units. The EVE central unit can be replaced with a Raspberry Pi or a virtual machine just before technical support is provided hence continuous uninterrupted operation is guaranteed.

ADD BUSSES
WITH OPTIONAL INTERFACE

One interface to rule all

Ilevia Multibus Interface is a convenient way to provide EVE installations with all the standard busses for building automation via one only device. This optional external module allows for control n.1 EIB port (KNX compatible), n.2 RS485 ports (Modbus) , Z-Wave protocol, in accordance to the project's specification, EnOcean protocol. Ilevia Multibus Interface can be used within EVE installations, or can be purchased separately. To be used with your own hardware/software to supply the power of standard busses in only one device.

MULTIBUS INTERFACE (Optional External Module)

KNX	On board	1 Port
Modbus	On board	2 Ports
Z-WAVE	On board	X
enocean	USB Key	X

USB

PLAY
WITH BRANDS YOU LOVE

Connect any system or device

EVE server is the core of the whole system. Its most appealing characteristic is the compatibility with the most well known protocols for home and building automation. EVE can manage several different protocols at the same time, both standard and proprietary, allowing for true freedom of brands and choice. EVE can communicate with all of the installations devices for security, access control, temperature control and audio / video through specific proprietary protocols. EVE server can also manage **My Home** and **By Me** systems.
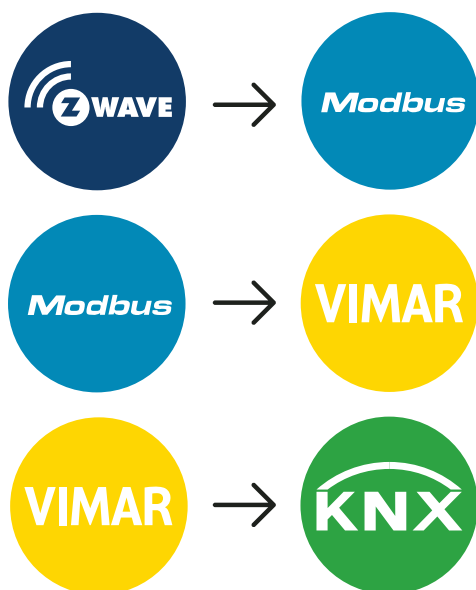
Limitless possibilities

The system includes the Universal Gateway, a tool that allows communication between all standard and proprietary protocols supported by EVE.

Through the Universal Gateway it is possible to connect, systems based on different buses like KNX, Modbus, Z-Wave, My Home, Vimar and many other systems.
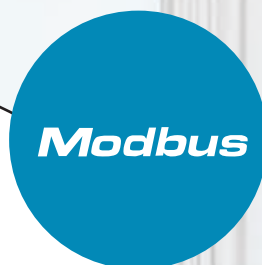
This is a real advantage for the user, due to the fact it avoids the cost of an external gateway, otherwise necessary to run these functions. With this capability, you don't need anything other than EVE.

KNX is the home and building automation world recognized standard. Due to the exceptional stability the KNX system can guarantee, a large number of International manufactures have invested heavily and have long-term commitments to this technology. This will ensure KNX devices will be available well into the foreseeable future and beyond.

Modbus has become the standard in industrial communication and is currently one of the most common used connection protocols in the world of heating, ventilation and air conditioning. Modbus has been in existence since the inception of the industry and for this reason most integrators have a special understanding and history with it.

Schneider Electric
ABB
and other brands

KNX

Modbus

eurotherm
radiant *comfort* systems
CLIVET
and other brands

eve
server
Standard Protocols

Aeotec
FIBARO
and other brands

Z·WAVE

enocean

VIMAR
Intesis
and other brands

Z-Wave is one of the most known wireless systems specifically developed for home and building automation. This technology opens up possibilities for retrofitting and renovations. The majority of International manufactures incorporate Z-Wave in conjunction with KNX.

EnOcean is the only wireless and battery-less system in the world for use in building automation and smart homes. Energy harvesting wireless technology has the advantage of eliminating wiring as a problem. EnOcean devices also have low power consumptions.

Intesis

HVAC

EL.MO. SPA

Security

ViVALDi
UNITED GROUP

Audio / Video

eve server
Proprietary Protocols

Access Control

SimonsVoss
technologies

Audio / Video

iRTrans

Home Automation

Home Automation

bticino

VIMAR

EVE CAN CONTROL EVERYTHING

Home & Building Automation

Electrical switching
Dimming regulation
RGBW Led control through KNX
Blinds and shutters control
Scenes management
Timers management
Logical and mathematical operations
Push notifications, e-mail and SMS
Garden irrigation
Integrated control of automation systems:
- BTicino: MyHome
- Vimar: ByMe

Security & Access Control

Visualization of IP Cameras
Integrated control of security system:
- El.Mo. : Etr 48/100/128/256/512
- El.Mo. : Etr 100G2/128G2/256G2/512G2
- El.Mo. : Villeggio Genio Basic/Domo/Smart
- El.Mo. : Pregio 1000/2000
- El.Mo. : Net 9/832
Multiuser access control with remote management
Integrated control of access control system:
- SimonsVoss: Smart Intego

Heating & Cooling

Heating & cooling management with weekly timers
Temperature or modality based schedule
Integrated control of HVAC devices and systems:
- Clivet: Elfo Control 2
- Euroterm: Smart Comfort
- Aernova: TU01-TU02
- Intesis: Intesis Box

Energy & Analysis

Loads control management
Energy consumption metering
Data visualization on charts and data export
Recording of all system events in log files

Entertainment

Integrated control of audio devices and systems:
- Audio multiroom matrices Vivaldi, Blustream
- Vivaldi: Giove, Giove Free
- IR Trans for infrared controls
- UPnP standard protocol
- Serial gateway

PLAN
YOUR SUCCESS PROJECT

Quickly configure your installation

EVE Manager is the programming tool designed for configuring the EVE Server control unit and enables supervision of projects. You can quickly plan and design countless graphical interfaces for countless users. Through this program you can connect all the graphic interface elements, with the actual devices that are part of the system. Graphical interfaces can be arranged with a high level of customization and can be used by all clients and all devices.

Import ETS project

Import the CSV file of the ETS project to visualize the KNX groups tree and convert it into EVE structure.

Auto configuration of added systems

Auto configuration of all the integrated proprietary systems to speed up the creation of a new project.

Quick user interface setup

Choose the *Classic* user interface style for a very clean, organized and pleasant supervision.

Customize user interface graphics

Quickly customize the default interface via the configurator software or let users edit remotely on the app.

Import Vimar database

Import the XML file of Vimar ByMe WebServer database for auto configuration of Vimar system.

Import / Export configurations

Reuse configurations from previous projects. Use Import / Export tool to minimize your work.

Interface templates

Choose the *Map* user interface style for a fully free design and use templates for multiple similar rooms.

Real time data view

Remotely check devices status in real time during configuration of EVE installation.

Components interface

RGB Light 5		(magenta)
Switch		ON
Slider		17%
Pulse		OFF
Power Production		-10
Power Consumption		1867
Temperature		24.3

Components Library: Basic, Charts, Energy, Heating / Cooling, Interface design, Logic operations, Messaging, Multimedia, Scenery, Surveillance / Security, Access Control, Timing / Scheduling, Web, Widgets

Component's properties:
Name: Switch
Type: switch
Unique ID: 862
Gateway: KNX - Knx
KNX
- Virtual feedback
- Read bus value on startup
Write address: 1 / 5 / 1
Feedback address: 1 / 5 / 2
Note

Import VIMAR By Me v.1.7.3

Database file WebServer (.xml):

Select file

Gateway Address:

192.168.1.240

ETS project

Sala Pranzo   Search   Disable filter   Load file

- 1 Piano Interrato
  - 1 Luci On/Off Piano Interrato con Feedback
  - 2 Accensioni Esterne Indipendenti
  - 4 Stato Cantina
- 2 Piano Terra
  - 1 Luci On/Off Piano Terra con Feedback
  - 2 Luci Dimmer Piano Terra con Feedback
    - 17 Luce Dimmer Parete Nord Sala Musica
    - 18 Regolazione Luminosità Parete Nord Sala Musica
    - 19 Regolazione Luminosità Sala Musica (Feedback)
    - 31 Luce Dimmer Luce Soffitto Salotto Camino
    - 32 Regolazione Luminosità Soffitto Salotto Camino
    - 33 Regolazione Luminosità Salotto Camino (Feedback)

User management

Username: Aaron
Password: ••••••••••••••••
Confirm password: ••••••••••••••••
Description:

Permissions:
- [ ] Manage Users
- [ ] Manage Gateways
- [ ] Manage Components
- [ ] Manage Classic Interface
- [ ] Manage Map Interface
- [✓] Use EVE Remote
- [✓] Use Plugins

Language/Country: Hebrew (Israel)
User interface style: Classic
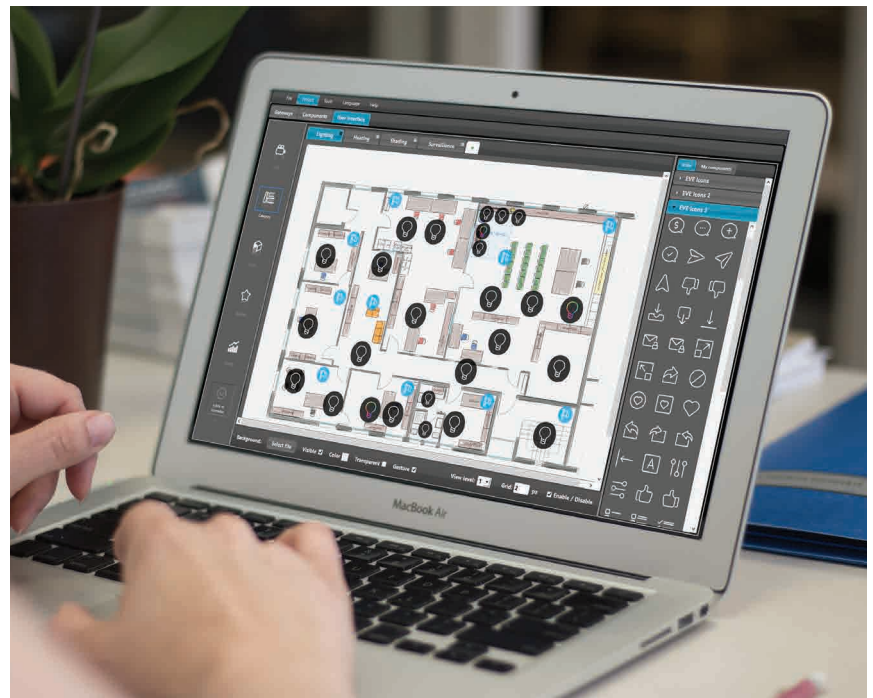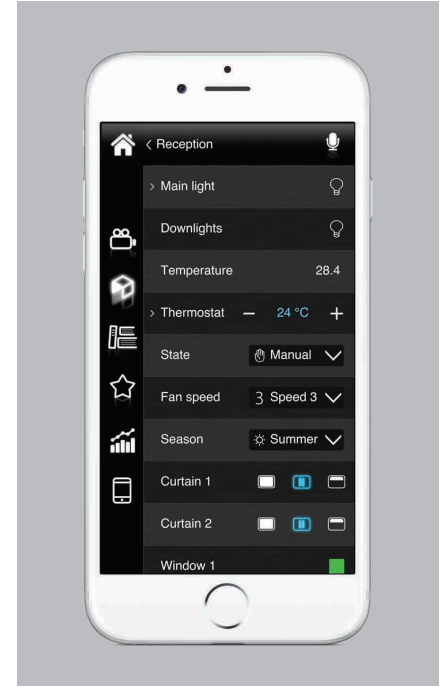
DESIGN
YOUR USER INTERFACE

Choose between two different user interface styles

Map Style

Graphical pages navigation
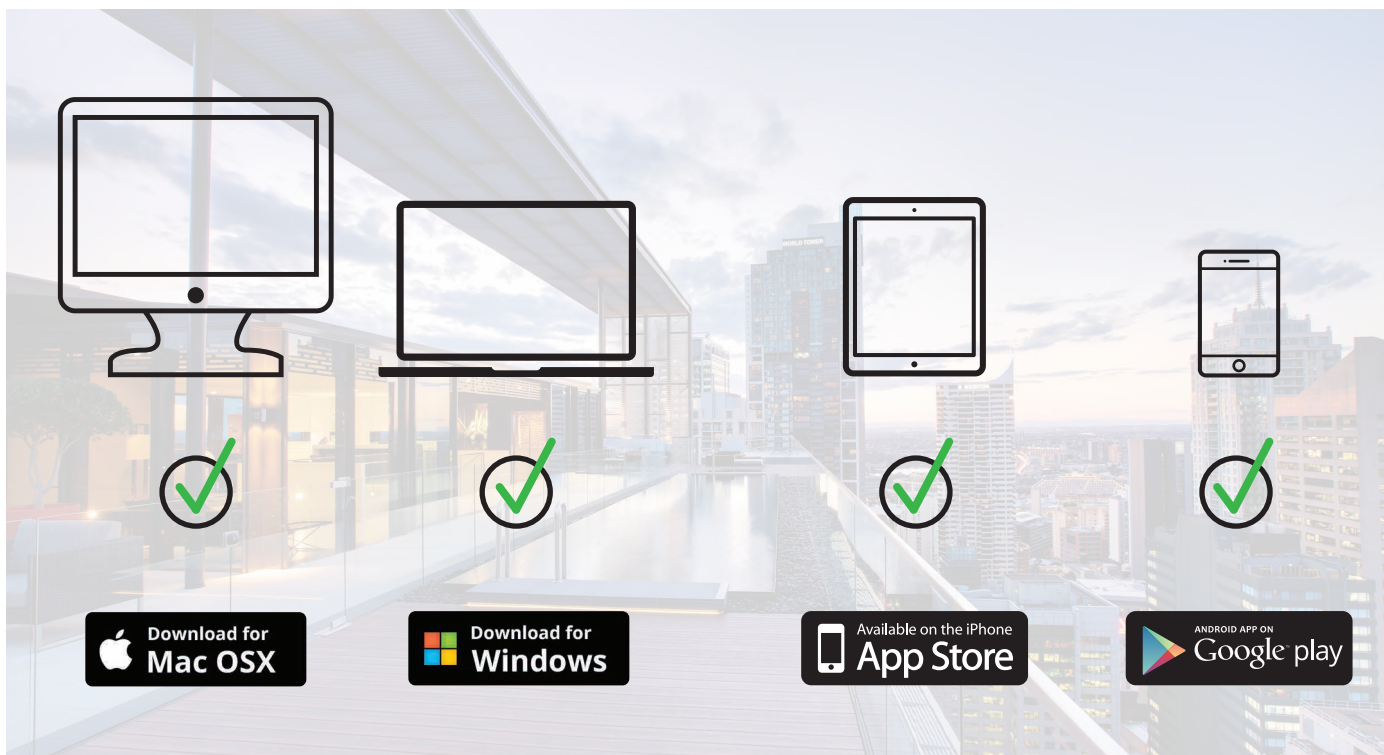Free icons positioning
Resizable icons
Free design

Classic Style

Pleasant navigation
First-class design
Ease of handling
Quick setup

USE
YOUR FAVOURITE PLATFORM

Control your building anytime, anywhere with ease

You can use the free EVE app with the most popular mobile devices iPhone, iPad, Android smartphones and tablets. It is also possible to control the installation from your desktop using Windows OS and Mac OSX. You can install the EVE app on as many devices as you want, with no limitations, free of charge.

Download for
Mac OSX

Download for
Windows

Available on the iPhone
App Store

ANDROID APP ON
Google play

ENJOY
YOUR SMART BUILDING

Heating & Cooling

Integrate EVE system with your existing HVAC system. Enjoy personalized comfort settings that can be activated on a schedule or with just a few taps on your phone. EVE allows the user to operate and regulate heating, ventilation and air-conditioning in every room to grant the right temperature at the right time. Thus providing the desired thermal comfort in the most efficient way.

Energy Metering

Energy is managed and consumption is optimised. Integration of solar panels enables you to manage your electricity use taking advantage of self-produced solar electricity. You can optimise your consumption to enable appliances to run automatically when free electricity is available. Also, the load control tool allows you to schedule the shutdown of appliances, when reaching customised thresholds.

Security & Surveillance

Arm or disarm your security system, or only selected partitions, exclude sensors, view ip cameras directly from an intuitive user interface. Easily monitor cameras that are placed inside or outside of your house. View live security camera footage straight from your mobile device, and take command of your building. Monitor the state of your home, no matter how far away you are.

Access Control

Integrating the EVE system with your existing access control system is an efficient way to control access to your building or home. Control your workplace allowing/denying users access to specific areas. Change access rights at different times of the day or link access with other functions. This solution lends itself perfectly to many other uses, for example allowing only specific workers the ability to operate on certain machines.
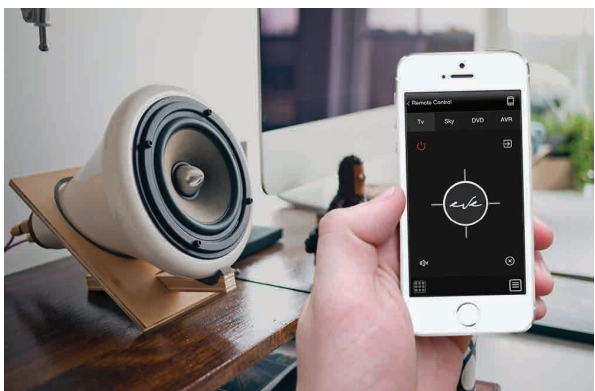
Multimedia

Integrate EVE system with any UPnP standard device, Vivaldi and Blustream audio/video systems or use IR Trans to control any infrared device. Simplify your entertainment experience and control it all with just one touch screen. Replace all remotes with one that controls all audio/video equipment. Customize buttons to personalize the remote for each room or activity.

Scheduling

Set up weekly schedules to automatically launch scenarios and events. It won't ever be necessary to worry about the smart building management during your daily routine or holidays. This is because the EVE will automatically trigger events based on system calendars.
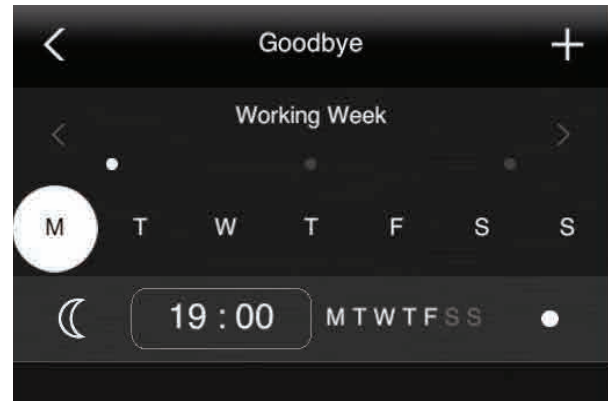

Recording Scene

EVE allows the ability to create countless scenarios and add them to the user interface to eliminate repetitive operations and speed up the control of the building. Also the EVE gives to the user the possibility to set up their own scenarios directly from the app. EVE allows scenarios to be recorded and played back with a simple button in the graphical user interface.
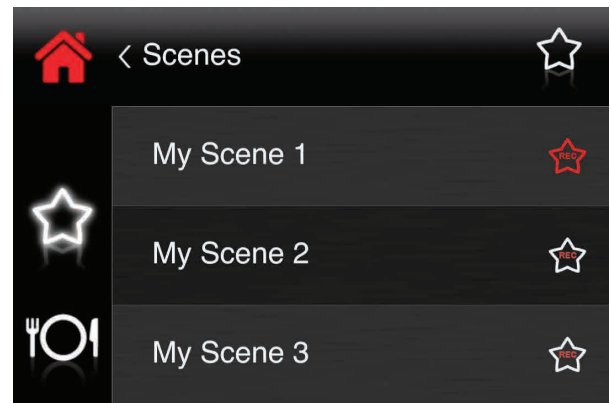
Analysis & Charts

EVE provides tools to analyze, compare and optimize energy flows and consumption. Data collected by the server can be visualized in real time through interactive charts. It is also possible to collect temperature, humidity, luminance, actuations and many other forms of data that can help to analyze the behavior of the building. Data can also be stored locally in the server or in the EVE cloud.
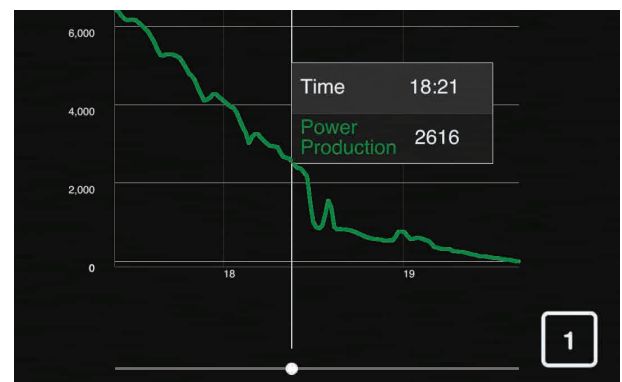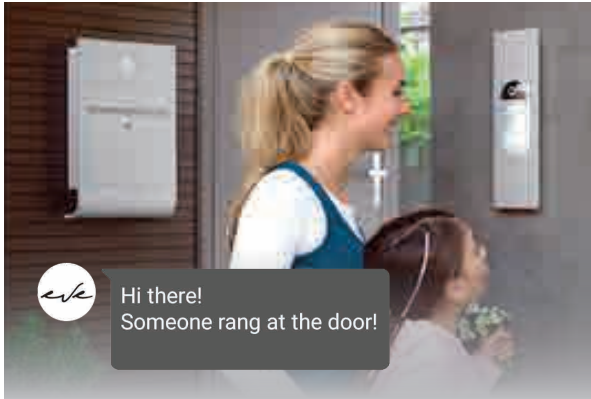
Alerts & Notifications

You can set up personalized alerts for your home. EVE will send messages any time some kind of important event is occurring. You can receive instant SMS or even emails that will speed up reaction times. Important tasks in and around the house will not be forgotten because you'll receive notifications, configured through the user interface, to remind you. Push notifications are now also supported by EVE.

Plug & Play

Thanks to the latest technologies, you are able to build your own user interface without the use of EVE configurator software. Devices that are developed using Z-Wave protocol require no set up. Simply plug each device to the network and add it to your user interface via EVE app.

User Editing

EVE allows users to edit user interfaces directly from the EVE app in order to give them the freedom they need. Users can edit titles and icons set by the administrator according to their liking for a more personal control experience. Any change to the user interface will be available to the administrator so that the project is constantly updated.

IMPROVE PERFORMANCES, ENHANCE THE COMFORT

Design any automation task in just minutes

EVE system is able to independently perform many complex operations, to further minimize your energy consumption and enhance the comfort of your home or building.

You can use tools such as counters to perform precise analysis on your system, set mathematical functions in order to return useful data to determine actions and create logical operations to ensure that the system acts on the installation only upon the occurrence of certain conditions. For example, EVE can independently lower the shutters in case of bad weather and raise them when safe, determine whether the garden needs to be watered or not in the event of rain. Design complex automation tasks and logic instantly.

The only limit is your imagination.
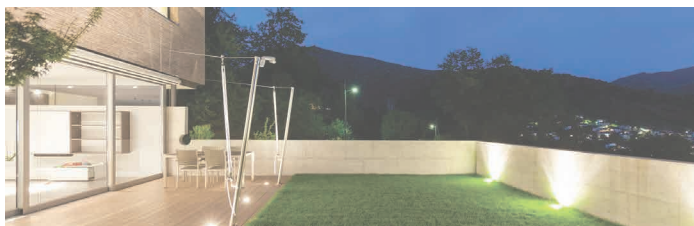
MULTIPROJECT

Any installation at your fingertips

It is quite common that a single user needs to control more than an installation like main house, beach house, office, etc. Thanks to a multi-project feature it can be done from the same app. The EVE app allows you to configure countless user accounts. With just a touch, it can be possible to switch from one installation to another. Define your preferred installation to speed up your access, all this is possible and more.

Background service

Additionally, EVE manages the dynamic IP of any installation eliminating hastle for the integrator and the user. It makes local or remote access possible for all EVE installations.

Thanks to this feature, EVE sets you free and allows you to avoid the use of Dynamic DNS services.
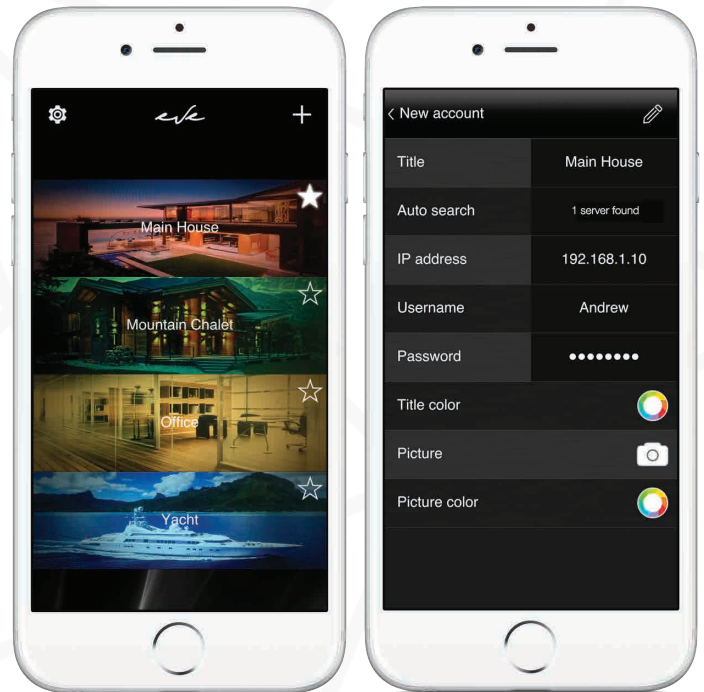
MULTIUSER

User permissions

EVE can manage several users within the same project and assigns specific permissions to each user. Initially the system gives the exclusive permission and control to the installer. However there could be multiple specialist technicians working on different aspects of the same project. Such as a specialist graphic interface designer. EVE can allow access to specific areas within the same project for each specialist to avoid workflow interference.
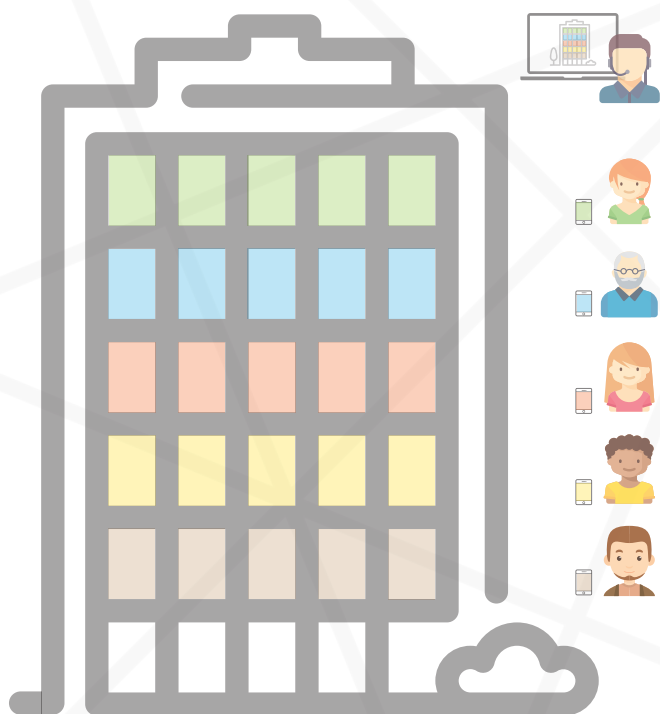
Tailored control experience

EVE allows the management of several different users within the same installation ensuring each one a tailored control experience.

This can be helpful, for instance, in a commercial building, where users should be able to control just the floor they are leasing while the building supervisor or owner should have a vision of the entire building. The same logic can be used to control rooms in hotels or apartments.

For this purpose, EVE allows for the creation of countless users interfaces and add only elements each user is allowed to control. Moreover personal access credentials can be used to deny access.

REMOTE MAINTENANCE:
Effortless customer service

## Server management

To obtain server information and to perform remote maintenance of the system, it is possible to connect to the admin panel remotely (connection must be authenticated). From these web pages it is possible to get all the most important information about the server such as firmware version, license ID, license status and it will be possible to update location, edit / check network configuration, update the firmware, restore database, stop and restart services or reboot the system when it needs to be done.
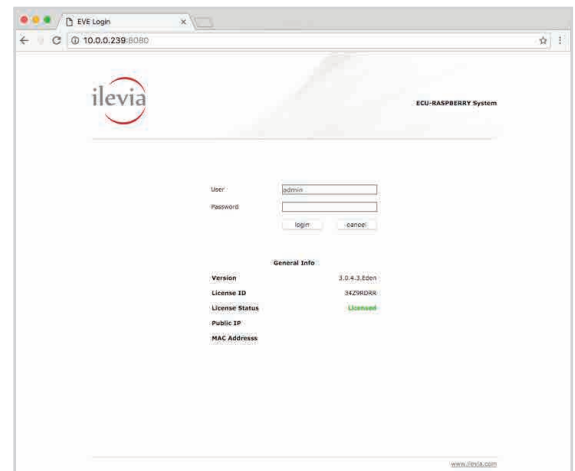
Project management

With the right credentials, it is possible to reach any EVE server any where in the world. This allows the administrator to manage any sort of problem without even leaving the office. Installers can enhance their service by ensuring prompt support to all customers. Just connect to the EVE server, download the project, make your changes and then upload it again to the server. No more unnecessary callouts.
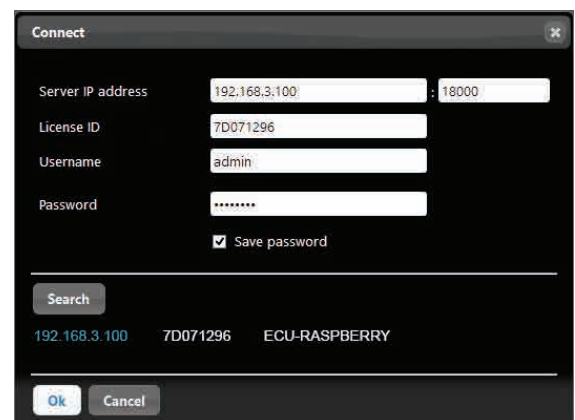
ALL INCLUSIVE SOLUTION: Automation package

What you get with EVE

All integrated protocols are included
Universal Gateway tool
Unlimited KNX groups
Unlimited modules
Unlimited plugins
Unlimited clients
Unlimited users
Customizable user interface
Free App (iPhone, Android, Windows OS, Mac OSX)
Free Software, Updates
Free technical support

How best to try the product

We think the best way to test our product is to use it that is why we distribute a demo version of our server (EVE Suite Demo License). The demo server is full-featured, in this way you can try the product and decide if EVE is what you are looking for.

Get the server image from our website and easily install it on a virtual machine or Raspberry Pi device. The demo server will expire after 7 days. Reinstall it as many times as you need to fully understand and master the product.

UPGRADE POLICY

System updates and enhancements on all softwares contained in EVE Suite License at the time of purchase, are provided free of charge, while the upgrade to additional features of versions released later can be made paying an annual fee otherwise upon request.

COMMERCIAL POLICY

We always look for new pertnerships and collaborations all over the world. If you are an installer, a system integrator or a distributorplease do not hesitate to contact us. You will receive information about our commercial policies.

TRY EVE RIGHT NOW!
Play with our live demo

Take the control of a real multibus installation

Our showroom is fully automated and uses EVE as supervision system. The installation currently integrates KNX, Vimar By Me, IRTrans and Z-Wave technologies. To anyone who wants to experience the speed of EVE multibus system and evaluate its first class design, we recommend downloading *EVE Classic* app (available on the iPhone App Store and on Google Play for Android) and connect to our "Live Demo" account. You will immediately take control of our demo corner in real time from anywhere in the world.

Download EVE Classic

Available on the iPhone **App Store**

ANDROID APP ON **Google play**

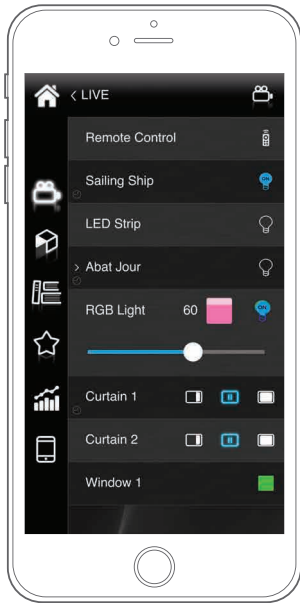## Experience both interface styles

There are two different accounts at your disposal:

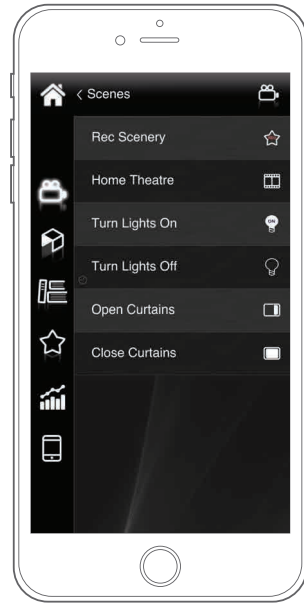- Live Demo (Classic)
- Live Demo (Map)

Both of them allow to interact with demo installation through two different user interface styles. Simply choose the one you want to visualize and click on the account title to start loading the proper interface.
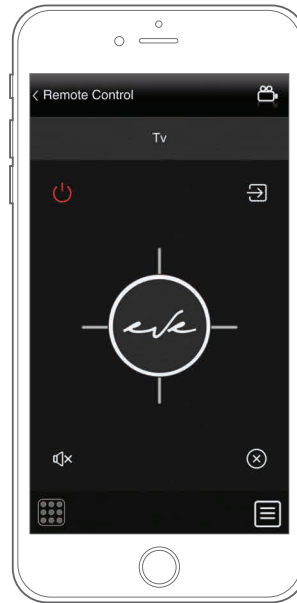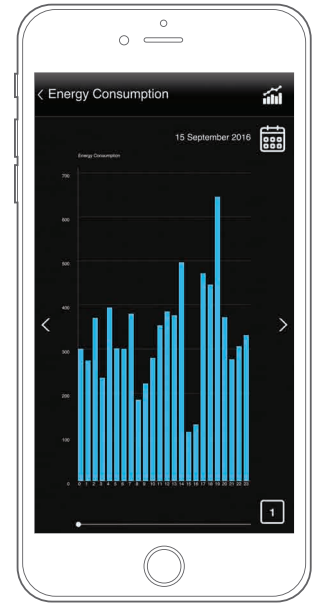
Account: Live Demo Classic
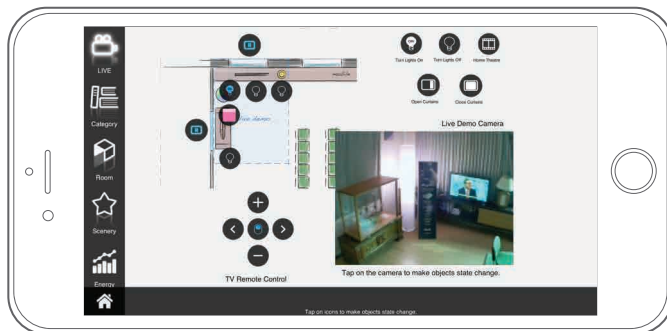

Lights and Curtains

Scenes / Rec Scenes

Multidevice Remote

Power / Energy Charts

Account: Live Demo Map

Live Demo controls (Filter by Room)

Live Demo controls (Filter by Category)

IoT SOLUTIONS TRANSFORM INDUSTRY

EVE is Microsoft Azure Certified for IoT

The Internet of Things (IoT) is the new emerging standard and already covers many services. The ability of IoT solutions to transfer data over a network helps work become more engaging and productive. This is a revolutionary change and EVE is one of the first IoT solution to be certified by Microsoft Azure.

In addition to the already embedded protocols, EVE gives the possibility to connect and control almost any kind of device or piece of industrial machinery. Enhanced by the Internet of Things, any manufacturing company can extend its system and use data for predictive and even preventative maintenance. EVE allows a manufacturer to collect a big quantity of data in real time and display that information in formats that enable better analysis of processes. In addition all the control tasks can now be performed remotely from any mobile device. The manufacturer can easily monitor any piece of machinery and provide the best support to the customer. Remote control, data collection, charts and visualization are fast becoming a prerequisite.

MQTT protocol is included so that you can use EVE as gateway between the physical world and your cloud.

Microsoft Azure

Certified

IoT for Home & Building Automation

We integrate new IoT devices, from HUE lamps to Z-Wave devices. The goal is to be at the cutting edge of new technologies so that the customers can buy and control everything with our unique platform.