eve

home & building

ilevia

ilevia

beyond building automation

Index

A COMPLETE SOLUTION

Simple control of houses and buildings with EVE System

EVE System is a smart home and smart building solution which allows the control and supervision of electrical and electronic installations. *EVE System* is suitable for residential, commercial and industrial applications.

EVE System is a multi-protocol solution that allows to manage all the functions of the systems integrated into the smart building, enhancing lifestyle and providing better comfort, security and energy savings. Functions are handled through a simple and elegant highly customizable interface. *EVE System* allows the control of houses and buildings using iPhone, iPad, Android smartphone / tablet, Windows Pc or Mac.

RESIDENTIAL HOUSES

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.

COMMERCIAL BUILDINGS

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

SYSTEMS

LIGHTING
BLINDS
SECURITY
MULTIMEDIA
ENERGY
HEATING & COOLING
SMART DEVICES & IoT

TECHNOLOGIES

KNX
Z WAVE
enocean®
Modbus

server

🏠 H&B Automation

Lighting / Switching control
Shutters / Blinds control
Temperature regulation
Sensors management
Scenes management
Timers management
Chart visualization
Logical operations
Push notifications
Chat / BOT
Irrigation
Integrated control of automation systems:
- BTicino: *MyHome*
- Vimar: *By-Me*

🌡 Heating & Cooling

Temperature or modality based schedule
Integrated control of HVAC systems:
- Intesis Box: I*ntesis Box Wi-Fi gateways*
- CoolAutomation: *CoolMasterNet*
- Clivet: *Elfo Control 2*
- Euroterm: *Smart Comfort*
- Aernova: *TU01-TU02 thermostats*

⚡ Energy

Load control management
Power consumption metering
Recording of all system events in log files
Charts visualization and scheduled data export

🔑 Security

IP Cameras visualization
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*
Access control with remote management
Integrated control of access control systems:
- Simons Voss Technologies: *Smart Intego*
- Zucchetti Axess: *AX-Door Controller*
- ekey: *ekey Biometric System*

🎵 Multimedia

Integrated control of A / V devices and systems:
- Audio multiroom matrices Vivaldi, Blustream
- Vivaldi Group: *Giove, Giove Free*
- IR Trans for infrared controls
- UPnP standard (Smart Tv, Hi-Fi, Home Theatre - *Sonos, Bose, Panasonic, Yamaha, Sony, Onkyo*, etc.)

❄ Smart Devices & IoT

Integrated control of smart devices for localization:
- iBeacon: location based on bluetooth low energy
Integrated control of smart devices for lighting:
- Philips: *Philips HUE* smart lighting
Integrated control of devices for voice control:
- Google: *Google Home* voice assistant
- Amazon: *Amazon Echo* voice assistant

MULTI-PROTOCOL SYSTEM

Simultaneous connection of any supported system and device

Our extensive library of supported systems and devices keeps growing which makes *EVE System* the most innovative and widely applicable smart building supervisioning software. The *EVE System* can simultaneosly manage the communication between all of the systems within your intelligent installation creating an environment where all information are shared to provide a smart home / building that responds to your needs.

FUTURE-PROOF TECHNOLOGIES

Modern technologies for the most advanced automation system

EVE System supports numerous technologies to give you a unique and unrivalled living experience. Thanks to our powerful software and the server architecture, any technology can be easily and quickly integrated. The *EVE System* allows you to create the home of your dreams and to make your installation truly "future-proof".

|			
KNX is the worldwide standard for home and building control. Due to the exceptional stability it can guarantee, a large number of International manufactures have invested heavily to this technology.	**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.	**EnOcean** is the only wireless and battery-less system in the world for use in building automation. Energy harvesting wireless technology has the advantage of eliminating wiring as a problem.	**Modbus** is the world recognized standard in industrial communication and is currently one of the most common used protocols by international manufaturers in the world of HVAC.

IoT COMPATIBILITY

EVE is Microsoft Azure Certified IoT device

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 we are proud EVE is one of the first solutions to be **Microsoft Azure Certified** for IoT.
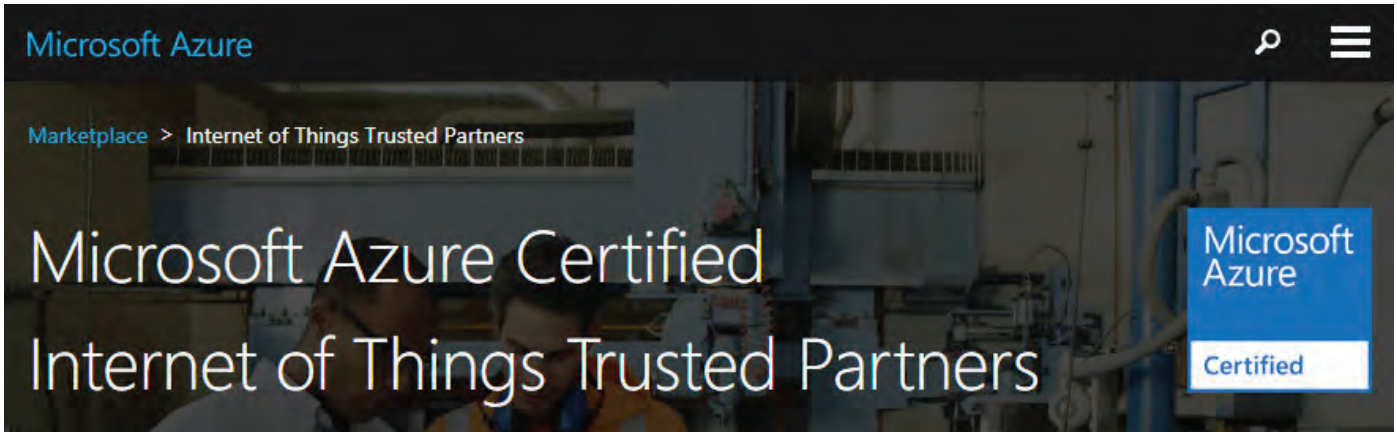
IoT drives enterprise digital transformation

In addition to the systems already embedded, *EVE System* provides the possibility to control any other device and even industrial machinery by converting them into IoT solutions. With the *EVE System*, companies can get ready to the industry 4.0 digital transformation. Infact, *EVE System* allows manufacturers to collect a large quantity of data in real time and to display information to enable better analysis of processes. Manufacturers can easily monitor machinery, anywhere in the world, even control them remotely by adding value to the whole product. Data collection and remote control are fast becoming a prerequisite in nowadays economy.

POWERFUL SERVERS

EVE Server, the heart of the whole solution

EVE Server is the heart of your EVE Smart Home. It is affordable, easy to install and it proudly wears the label: "Designed and manufactured in Italy". We are the supplier of the software, hardware and expertise, a single source of smart home excellence. All of our servers are designed to manage an entire automation system. They are hardware solutions for advanced needs in the automation of any application.

First hardware manufactured in 2009

EVE X1 / EVE X1 Z-WAVE

– Network: 1 x RJ45, 10/100 Mbit Ethernet
– KNX: direct control via KNX/EIB port
– Serial port: 2 x RS485
– USB: 1 x 2.0 type A
– AC/DC: 10W 5VDC 2A max
– *opt. Embeddeb Z-Wave controller*

KNX/net/IP tunneling for ETS programming
Software license: **EVE Suite Software License**

Apartments

Houses

Shops

EVE X3 / EVE X3 Z-WAVE

– Network: 1 x RJ45, 10/100 Mbit Ethernet
– KNX: direct control via KNX/EIB port
– Serial port: 2 x R2485, 2 x RS232
– USB: 1 x 2.0 type A, 1 x extensions
– AC/DC: 10W 12VDC 830 mA max
– Internal energy backup battery
– *opt. Embeddeb Z-Wave controller*

KNX/net/IP tunneling for ETS programming
Software license: **EVE Suite Software License**

Villas

Hotels

Yatchs

EVE X5 RACK

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

Power and specifications: according to manifacturer
Software license: **EVE Suite Software License**

Malls

Hospitals

Office
Buildings

EVE SUITE PRO

EVE Suite PRO is the most convenient solution when dealing with projects that require the integration of several technologies and the development of complex tasks. This "Pro" version allows the use of all the system's features to leave you free to operate without any kind of limitation.

The professional tools offered to the installer are developed with the aim to help him to be confortable with the complexity and to quickly configure the installation responding to any requirement. A specific attention is given to the creation of countless customized user interfaces available in two different styles, considered the jewel in the EVE System crown.

This full-featured version of the software is strengthened by an extremely transparent price with no hidden extra fees.

EVE SUITE LITE

EVE Suite LITE is the perfect solution when dealing with installations based only on KNX technology, where integration with other systems is not required. This limited version of the software is open to the possibility to upgrade to the Pro version at any time to make use of more features.

Specifically developed for KNX projects, this version of the software allows to quickly set up your smart home starting from the ETS import, also enabling the Google Home Assistant voice control. The user interface is automatically created from the structure of the ETS project.

A very affordable price completes this interesting "lite" version, developed for who needs little features, therefore less complexity. A quick and easy configuration for a simple KNX based installation.

FLEXIBLE SOFTWARE

One software for multiple hardware hosts

The *EVE System* is thought to give you countless possibilities, according to your needs. You can opt to get just the software (EVE Suite) and use your own hardware as the central controlling unit of your smart installation. This is the most economical option to get an EVE Smart Home solution and it is particularly recommended when a need arises to showcase or demonstrate possibilities with *EVE System*.

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.

Houses

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.

Demos

Tests

Third party hardware as backup solution

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

PROFESSIONAL TOOLS

EVE Manager, the ultimate professional software for integrators

EVE Manager is the tool designed for configuring the server control unit and enabling the supervision. You can quickly plan and design countless graphical interfaces for countless users. Through this software 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.

ETS Project Import

Import the CSV file of the ETS project to visualize the KNX groups tree. Simply drag & drop KNX values to configure your EVE components.

By-Me Database Import

Import the XML file of Vimar Web Server database to run the auto-conversion of the By-Me project into the KNX groups structure.

Guided Configurations

Simplify the configuration of complex systems thanks to wizards provided accordingly to the specific proprietary system.

Export / Import Components

Export system components configurations to re-use them in future projects in order to minimize your repetitive actions.

Real Time Data View

Remotely check the status of all the devices within the installation in real time during the configuration of your project.

Real Time Data Editing

Make changes to the project accordingly to the installation's needs. Data changes will be available in real time for all the users.

User Interface Levels

Choose the *Classic* user interface style for a very clean, organized and pleasant supervision, together with the quickest configuration ever.

User Interface Templates

Choose the *Map* user interface style for a fully customized design. Copy user interface templates to quickly create multiple interfaces.

Personal Icons Set

Design your own icons and add them to the software to provide your customers with your personal style option for their user interface.

User Interface Editing

Customize the user interface by using the configuration software or leave the costumer free to edit it remotely through the app.

AUTOMATED TASKS

Improve performance, enhance the comfort

The *EVE System* is able to independently perform many complex operations to further minimize your energy consumption and to enhance the comfort of your smart home. You can use the ultimate tools to perform precise analysis on the system, set functions in order to return useful data to determine actions , create logical operations to ensure that the system acts only upon the occurrence of certain conditions. Design complex automation tasks and logic instantly. The only limit is your imagination.

Counters	Functions	Logics	Load Control	Sunrise / Sunset	Alerts

Use EVE as gateway between protocols

EVE System also includes the *Universal Gateway*, a tool that allows communication between all the supported standard and proprietary systems. Through the *Universal Gateway* it is possible to connect systems based on different busses like KNX, Modbus, Z-Wave, BTicino, Vimar and many others. This is a real advantage due to the fact it avoids the cost of an external gateway, otherwise necessary to run these functions.
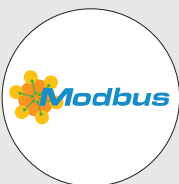
TAILORED EXPERIENCE

Multi user

With *EVE System* you can create countless customized user interfaces and adapt each one to the single user within the same project, ensuring a truly tailored control experience. This can be helpful in a commercial building, where users must be able to control just the floor they are leasing while the owner or the building supervisor needs to have a clear vision of the whole building. The same logic can be used for hotels or flats.

Sometimes customers require objects to be displayed allowing their control if authorized by entering a password. The PIN protection feature fullfill the need to allow the control of objects just to a few people. Password restriction together with personal graphics are the best way to customize user control experience.
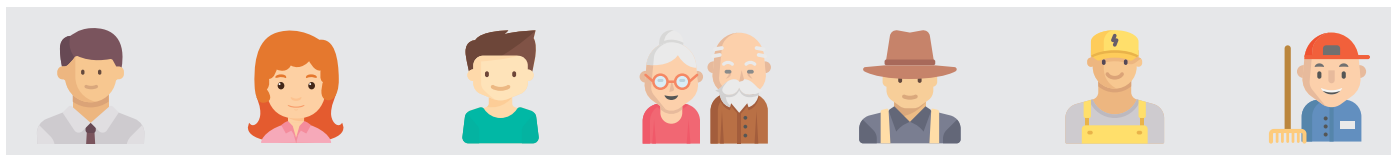
Multi language

To ensure a product suitable for users around the whole world, *EVE System* is powered up with the possibility to support any writing system. This allows professionals to provide customers with a product that bends to their needs for the best control experience. People speaking different languages within the same building? Don't worry, each user interface can be configured with the language each one feel more comfotable with.

| مطبخ	廚房	μαγείρεμα	חֲבְטמ	زپ و تخپ	кухня
(*Arabic*)	(*Chinese*)	(*Greek*)	(*Jewish*)	(*Persian*)	(*Russian*)

DOUBLE STYLE

Different possibilities based on unique needs

The system provides users with two different interface styles in order to offer an experience which is perfectly in tune with your needs. You can opt for the *classic interface*, most commonly used with smartphone devices, enjoy a pleasant navigation and an extreme ease of handling or you can choose the *map interface* which can be appreciated at its best using tablets and monitors. The map navigation is based on graphical pages, icons are resizable and users are free to unleash their imagination to design unique customized interfaces.
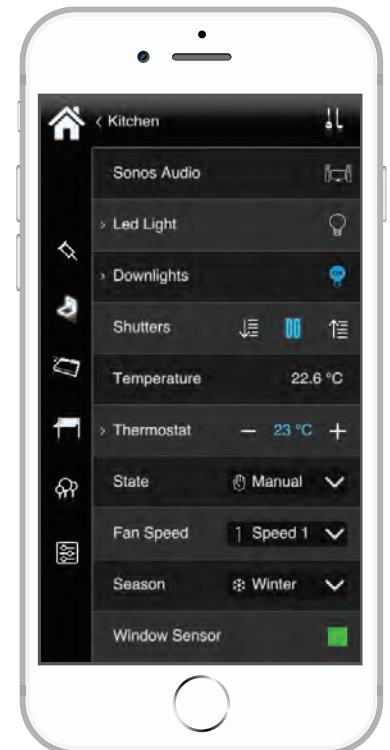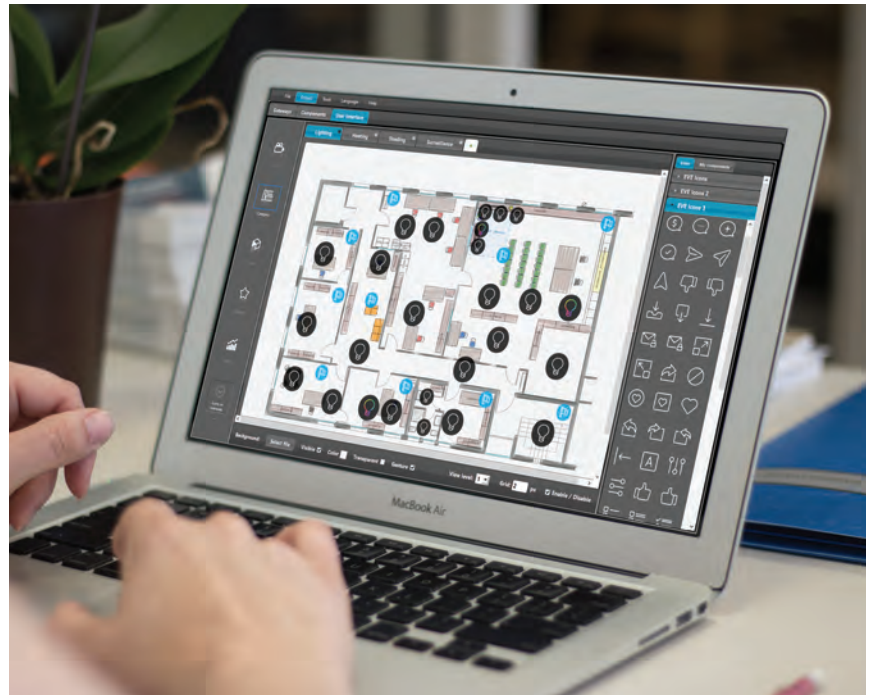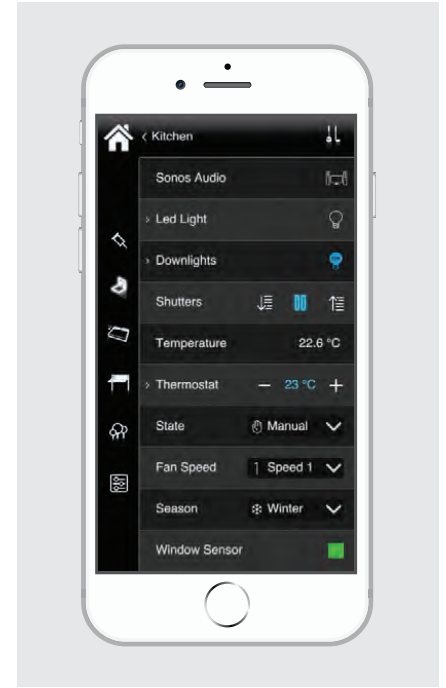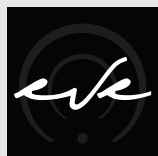
REMOTE CONTROL

Control your building anytime from anywhere

We have developed the most powerful smart home app – and it is totally free!
You can use the free *EVE Remote Plus* App with the most popular mobile devices - iPhone, iPad and Android smartphones or tablets. It is also possible to control the building from your desktop using Windows OS or Mac OSX. You can install *EVE Remote Plus* on as many devices as you want, with no limitations, free of charge.

EVE Remote Plus
Download available for free

Download on the
App Store

GET IT ON
Google Play

Download for
Mac OS X

Download for
**Windows**

MULTIPLE ACCOUNTS

Sign in to multiple accounts at once

It is quite common that a single user needs to supervise more than a building such as home, the mountain chalet, the boat, the office and others. Thanks to the multi-account feature the user can easily do it from one single App. EVE allows you to configure countless user accounts and, with just a touch, switch from one installation to another. If you want, you can define your preferred installation to speed up your access.
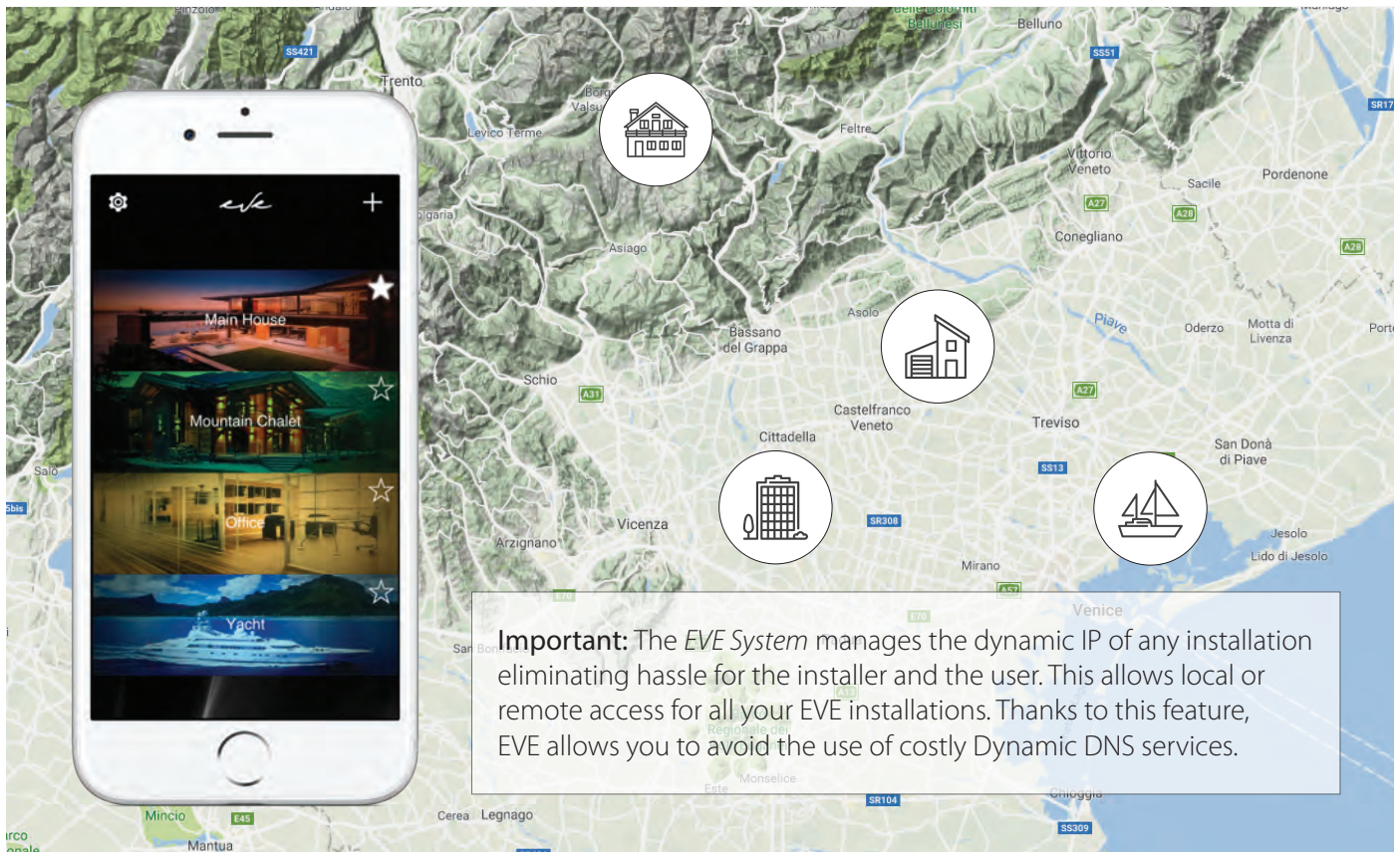
Important: The *EVE System* manages the dynamic IP of any installation eliminating hassle for the installer and the user. This allows local or remote access for all your EVE installations. Thanks to this feature, EVE allows you to avoid the use of costly Dynamic DNS services.

YOUR HOME IN YOUR HANDS
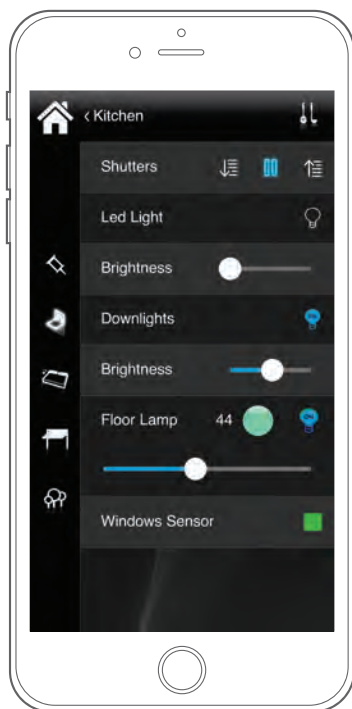
Personalization

Focus on what is important to you and organize your interface as you most prefer. Change lighting and brightness of your lights and choose colors. Operate your curtains, blinds, roller shutters automatically or take control manually.

Temperature

In the EVE app you can easily adjust your comfort temperature and set heating and cooling schedules. With EVE you can easily control your hvac system without using complicated thermostat remote controls.

Music & Video

Integrate your UPnP devices and control your multimedia files via the app. With EVE, you can reproduce any audio / video file on any player device in all over the house choosing from your NAS storage devices selection. Enjoy with ease!

Multi Device Controller

Simplify your entertaining experience and control your TV, Hi-Fi and much more from one single controller. Cut down on the number of remotes that controls all your audio / video equipment and personalize buttons for room or activity.
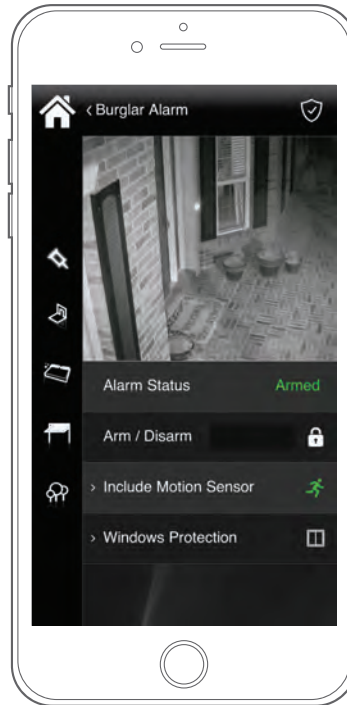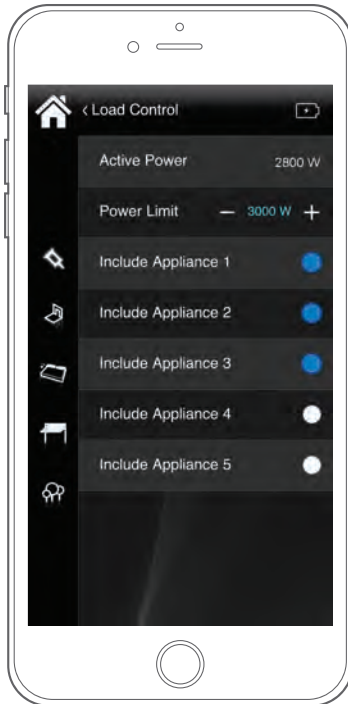
Alarm & Security

Monitor the state of your home, no matter how far away you are. Enable or disable your alarm system, easily monitor cameras that are placed inside or outside of your house. View live security camera footage straight from your mobile device.
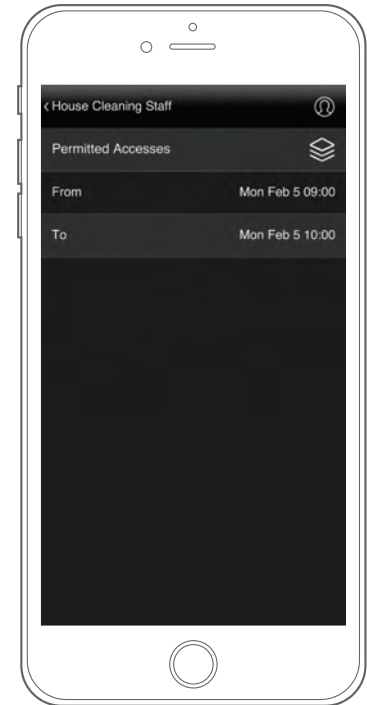
Access Control

Keep an eye on who access your house / building at any time of the day, allowing or denying specific people to access also to specific areas. Change access rights at different times of the day or link access to other functions.

18 January 2018

EVE REMOTE PLUS   adesso
SENSORS: PRESENCE DETECTION
Motion detected at the entryway.

Energy Management

Take advantage of self-produced solar electricity. Optimise your consumptions enabling your home appliances to run with free electricity when available. EVE can operate load controls to avoid unpleasant system blackouts.
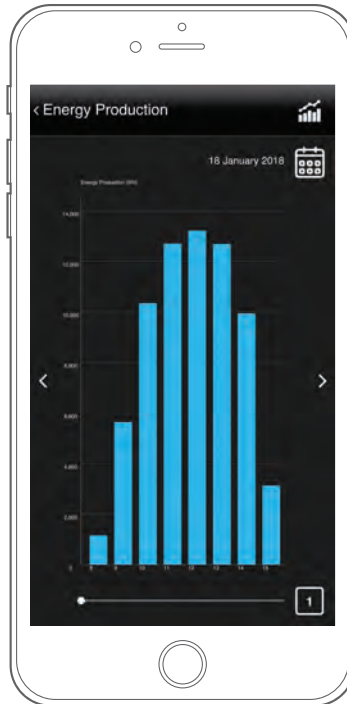
Statistics & Charts

Charts are visualized perfectly and can be analyzed precisely with the zoom in / zoom out function. EVE can collect any sort of data, to be stored locally in the server or in the cloud, to help you analyzing the behavior of the whole building.
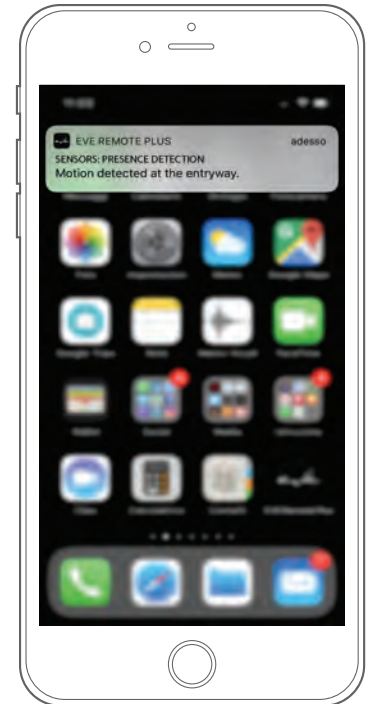
Push Notification

The app sends free definable notifications so you are immediately informed when it matters. Important tasks in and around the house will not be forgotten. You can choose to receive instant SMS / E-mail that will speed up reaction times.
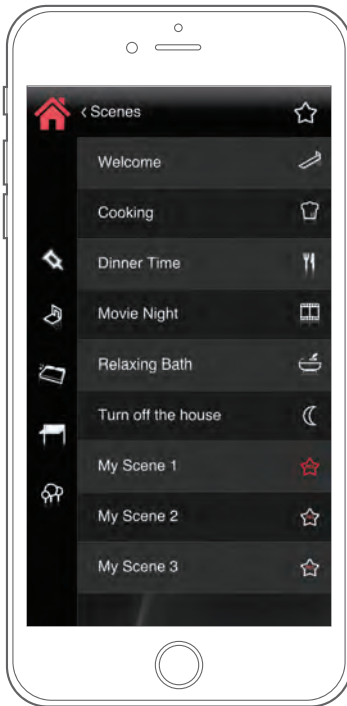
Scene Recorder

You can configure scenes to eliminate repetitive operations and speed up the control of the building. With the help of the scene recorder, you can record any series of commands, save them and define a time when the tasks are to be processed.
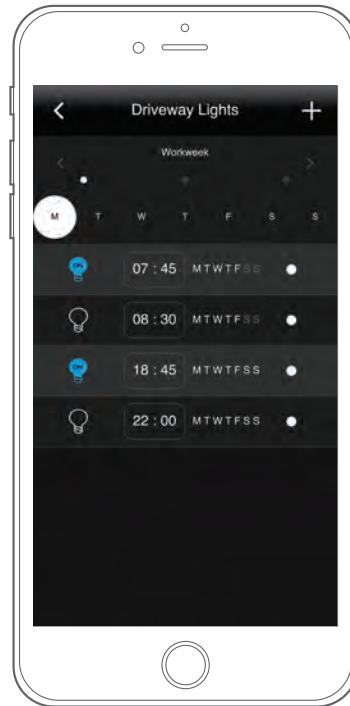
Timer

Define times for certain actions to occur. Configure "weekly" schedules to automatically launch scenes and events. It won't ever be necessary to worry about the smart building management during your daily routine and your holidays.

Calendar

Planning to go away for a few days? A tap in the app is enough to define days in which your "Vacation" weekly schedule has to be activate. EVE will trigger events based on system calendars. Your home already knows what needs to be done.
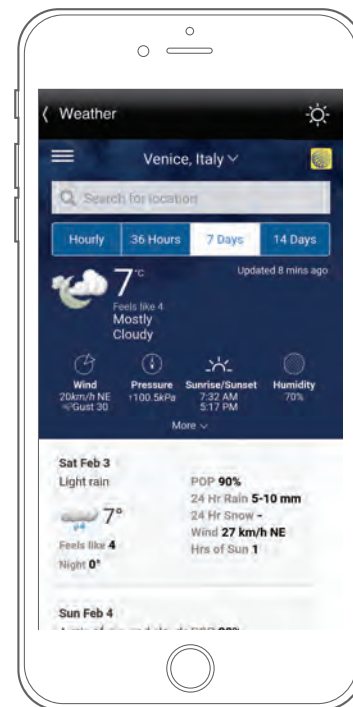
Irrigation

Planning to watering your garden? With EVE System you can easily schedule and time the irrigation of different zones with just a tap in the app.

Color Sequence

Create your own automatic color sequence at any time. Simply select your favorite colors, desired order and interval time – done!

Web Pages

Keep an eye on what matter the most to you from the app. Add web pages to your menus to visualize information without quitting the supervision.

VOICE CONTROL

The simplest way to control your house

This is the moment of voice assistant technologies. With *EVE System* and *Google Home or Amazon's smart speakers* you can now control your entire home through simple and intuitive voice commands. You can use your voice to control individual devices or sets scenes to facilitate daily routines. The system has full awareness of the whole installation and answer to any question that involves the analysis of your smart building.

" Alexa, turn on my home. "

works with the
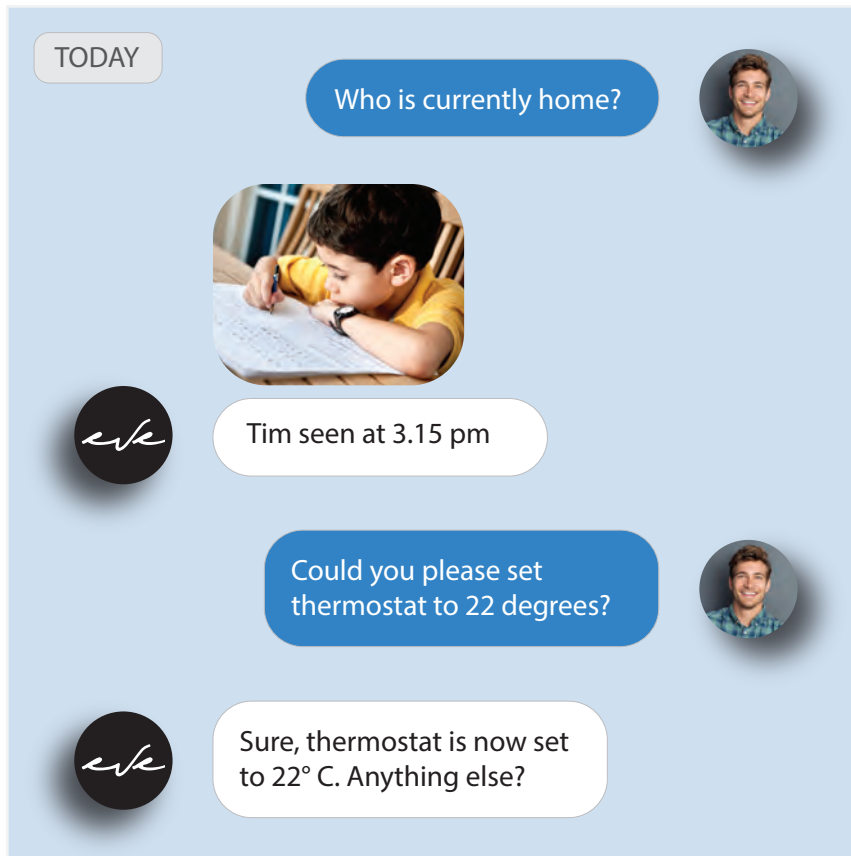**Google** Assistant

amazon alexa
ENABLED

Offline voice control solution

In some cases online services are not suitable. For this reason we have developed an offline solution which furthermore offer a higher level of customization to your voice controls possibilities. This solution particularly fits with hotels requirements to provide guests with an innovative and tailored service.

CHATBOT: TEXT COMMANDS

Talk to your house by using instant messaging services

EVE ChatBot is a personal assistant who understands the users' demands as a real person, responds to their requests and controls each connected object in the home. Users can interact with EVE through text messages, even when not at home. Accessible via the most used instant messaging services, users can text to EVE to discreetly ensure that everything is running smoothly at home, without using voice control in public.

TODAY

Who is currently home?

Tim seen at 3.15 pm

Could you please set thermostat to 22 degrees?

Sure, thermostat is now set to 22° C. Anything else?

Supported IM Services:

Messenger	WhatsApp	Viber
LINE	Twitter	Telegram
Skype	Twilio	Slack
Kik	Cisco Spark	Google Assistant

TRY EVE RIGHT NOW!

Take the control of a real EVE Smart Building

Take the control of our demostrative corner in real time from anywhere in the world. To anyone who wants to experience the speed of *EVE System* and evaluate its first class design, we recommend downloading *EVE Remote Plus* App and connect to our demo account. Our showroom is fully automated with the *EVE System*. The multibus installation currently integrates KNX, Vimar By Me, IRTrans and Z-Wave technologies.

1. Download EVE Remote Plus

Access to your App store accordingly with your operating system and download the free EVE App.

2. Choose the user interface style

Two users are already configured when opening EVE Remote App. Both of them allow to interact with the demo corner with a different interface style. Choose the style you prefer and tap the account area to start loading the proper user interface.

3. Control the system in real time

Enjoy the first class design of EVE Remote Plus App, manage lighting, shading, control climate, visualize charts, set timers, run scenes and much more.

WHY CHOOSE THE EVE SYSTEM

Future-Proofing

We offer integration with the most promising systems. We guarantee that devices you buy and install today will still be supported in the future. We integrate new open standards, systems and new appliances to let you extend and upgrade your system throughout the life of the building.

Flexible & Scalable

EVE System is a flexible and scalable system that responds to your needs as they change. EVE can be implemented all at once or gradually. With EVE you can choose functions you require and design the control interface to create a home that's finely attuned to your needs and preferences.

Quick to Configure

We provide professionals with the most effective tools to minimize configuration time. The ETS import and the auto configuration of other supported technologies, together with the quick user interface setup, are tools designed to speed up your job.

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.

Tailored Experience

EVE System allows several users the control of different views and commands at the same time while each having an independant fully customized interface. Security is guaranteed thanks to restricted access with password.

Set & Forget

EVE is the best solution for everyone, either for technicians and for users, due to its high reliability during the lifetime. Installers configure the installation once and then celebrate the customer satisfaction since 2009, when the first EVE System was installed.

MEMBER

KNX

Z WAVE
ALLIANCE

enocean alliance
Member

ilevia

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