Home & Building

Best Quality and service

Service

The punctuality of delivery originates from a suitable management of suppliers and their qualitative performance. On line assistance is integrated in a modern CRM (Customer Relationship Management) system that allows for rapid consultations of any information regarding the client

Product tecnology

The product is developed and kept up to date by an R&D department attentive to innovation. A clear demonstration is the continuous collaboration with Universities. The robustness and constructive simplicity are the basics from which we start realising each new product. Product certifications like CE –UL, ALTEX, DNV, RINA etc. are readied fully respecting the standards.

Collaboration

Listening to and collecting clients' requirements is of fundamental importance for company growth and client loyalty. The client has the opportunity to write any complaints, suggestions or opinions for any reason directly to the ESA site, certain of receiving a reply in a short time.

Quality/Price Ratio

The good Quality/Price ratio comes from continuous research on various markets into the best solutions and most reliable suppliers. The suppliers, whom operate according to precise specifications, are visited, periodically evaluated and urged to improve continuously.

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Make your job easier

Everything have been studied to simplify installation process, using ***standard and world-wide available wall boxes***

Plate frames with ***magnetic hooking***

Home & Building

A new generation of intelligent buildings

Web-server support, *allowing you to retrieve data directly from a remote web server*

Field buses

We support up to 100 procotols:

- PARTNER KNX **Konnex**
- **Lon**
- bticino *B-Ticino*
- ***DMX***
- **Modbus®**

..and many more!

A new generation of intelligent buildings

Integrated ***alarms management***

A new generation of intelligent buildings

200 members in 29 countries

futurasmus-knxgroup.com: catalogue of 2713 Konnex products

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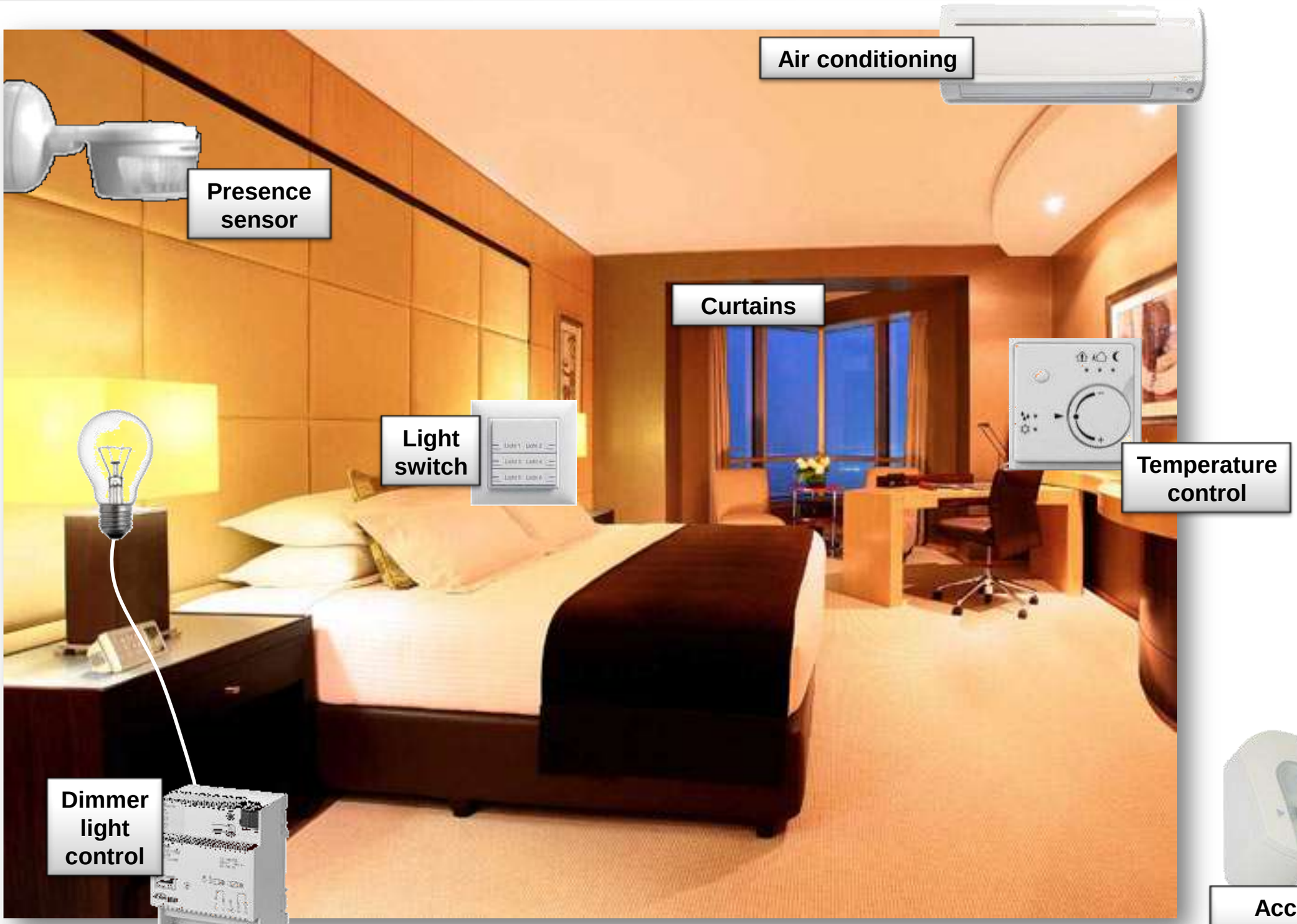
A new generation of intelligent buildings



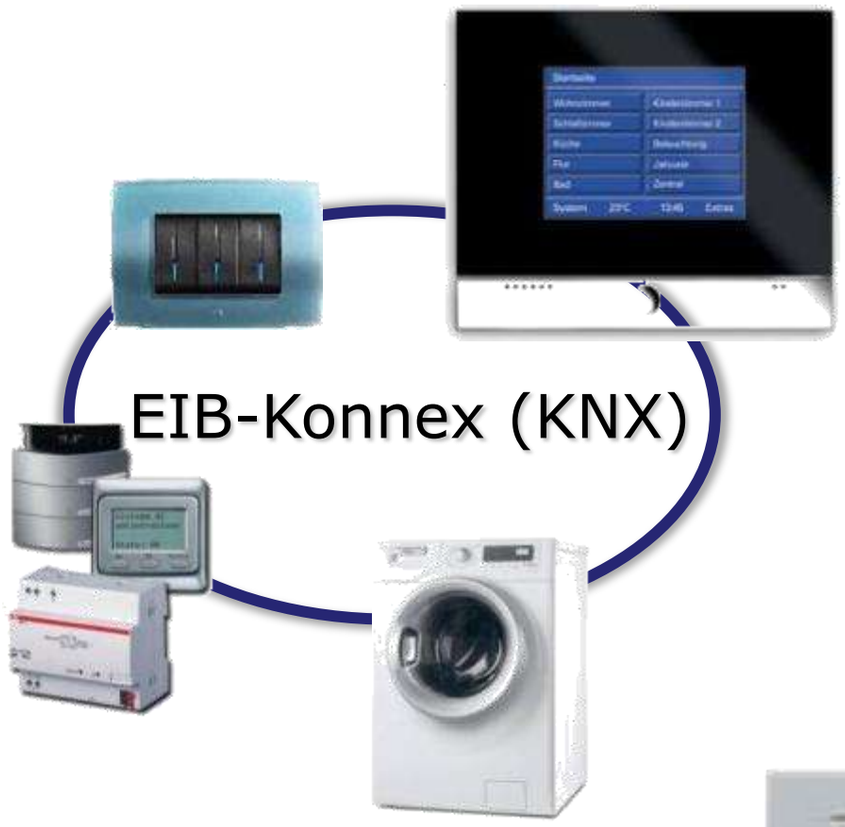
Home & Building

A new generation of intelligent buildings

Home & Building

MyVision Software

WITHOUT VISUALYSER



Home & Building

MyVision Software

USING VISUALYSER

DMX

EIB-Konnex (KNX)

LonMark (LON)

B-Ticino

A new generation of intelligent buildings

Save log data *on removable supports such as* ***USB keys and Secure Digital*** *(SD) cards*

Visualyser YT

***Reliability** beyond compare, **user-friendliness** and **extreme mechanical strength**.*

- ***4.3”*** *32 gray levels TFT (480X272)*
- ***4.3”*** *65.000 colors TFT (480X272)*
- ***5.7”*** *65.000 colors TFT (320x240)*
- ***7.5”*** *65.000 colors TFT (640x480)*
- ***10.4”*** *65.000 colors TFT (640x480)*

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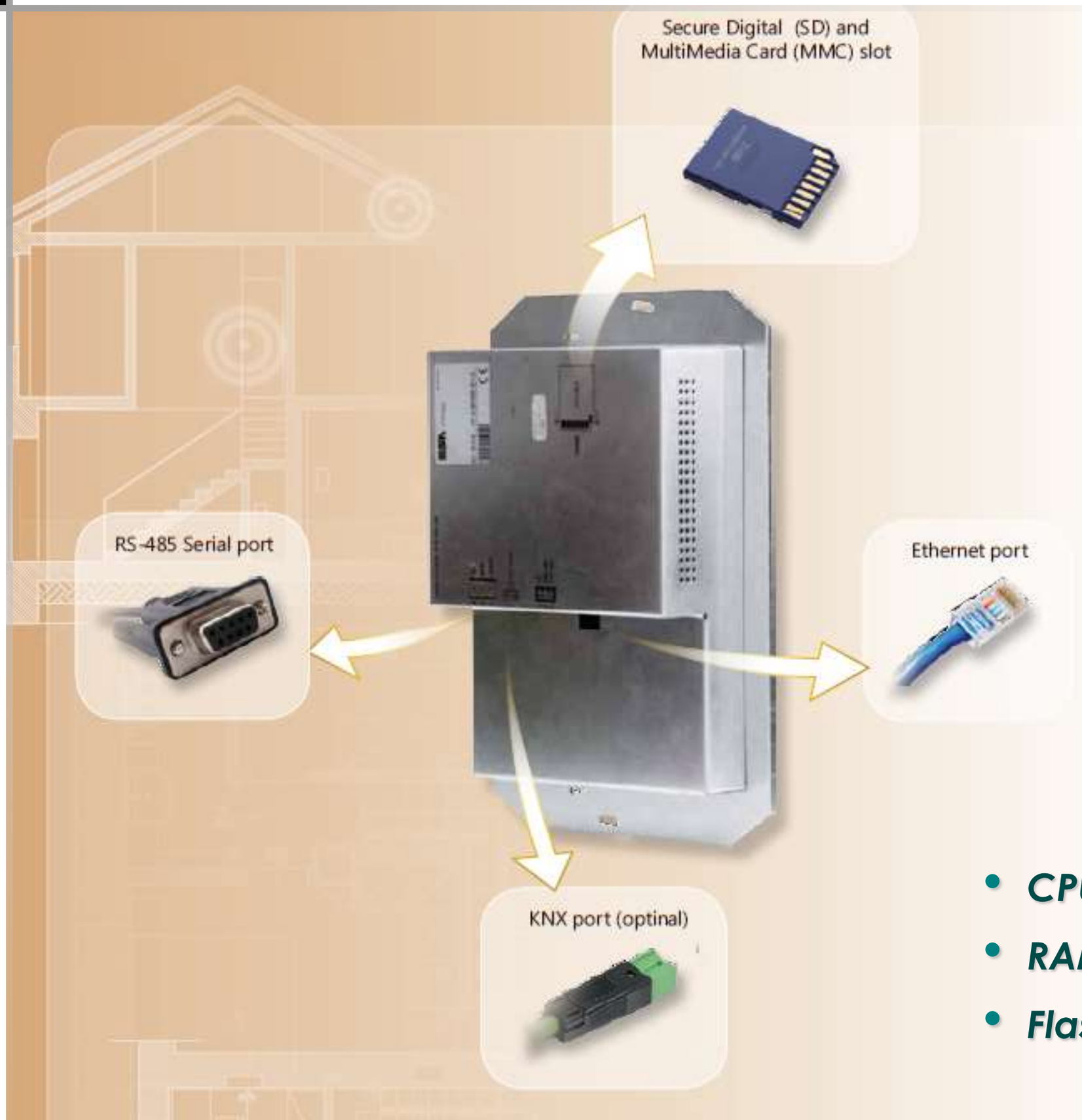
Visualyser YT



Visualyser touch screen panels offer ***high performances****, excellent graphical quality and incomparable connectivity in a* ***totally-safe Fanless and Diskless environment****.*

- ***CPU:*** *Intel PXA 520 MHz*
- ***RAM:*** *64 MB*
- ***Flash:*** *32 MB*

Visualyser YP Open

Run your embedded applications in a safe environment, having all the power of the ***Windows CE® 5.0*** *operating system.*

- ***4.3”*** *65.000 colors TFT (480X272)*
- ***5.7”*** *65.000 colors TFT (320x240)*
- ***7.5”*** *65.000 colors TFT (640x480)*
- ***10.4”*** *65.000 colors TFT (640x480)*

Visualyser YP Open

Visualyser Open touch screen panels are able to support ***web-based solutions****, thanks to the* ***Internet Explorer*** *on-board, as well as* ***proprietary applications*** *or dedicated systems for data acquisition.*

- ***CPU:*** *Intel PXA 520 MHz*
- ***RAM:*** *64 MB*
- ***Flash:*** *32 MB*

Visualyser PC based

Display: ***15" TFT*** *(1024x768)*

touch screen

RAM: ***1 GB or 2 GB***

CPU: ***Atom N270 1,60 GHz***

FANLESS

Storage drive:

- ***Compact Flash*** *(2, 4, 8 or 16 GB)*
- ***Solid State Disk*** *(SSD)* ***8 GB SATA***
- ***Hard Disk 160 GB SATA***

Windows Embedded Standard 2009 *or* ***Windows XP for Embedded***

Home & Building

Visualyser PC based

All the power you want *in a* ***Fanless*** *solution*

Available with ***Windows XP Professional*** *or* ***Windows XP Embedded***

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Visualyser Cover Plates

Classic

Gray

White

Gold

Home & Building

Visualyser Cover Plates

Vogue

Corian

Mandarin & Opal White

Glacier Ice & Opal White

Nocturne & Opal White

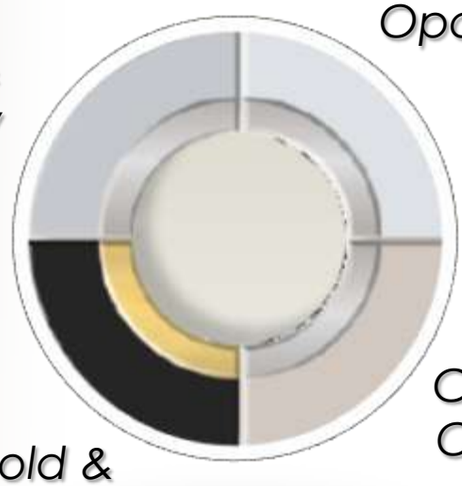
Glacier Ice & Opal Black

Nocturne & Opal Black

Glacier Ice & Metal Gray

Glacier Ice & Ash

Chrome



Chrome & Opal White

Chrome & Opal Gray

Chrome & Opal Shell

Gold & Opal Black

MyVision Software

*"**Absolute control**" inside MyVision means "**Total simplicity**"*

*a powerful **easy-to-use** interface will guide you configuring your project **just with the mouse** by means of **innumerable wizards**.*

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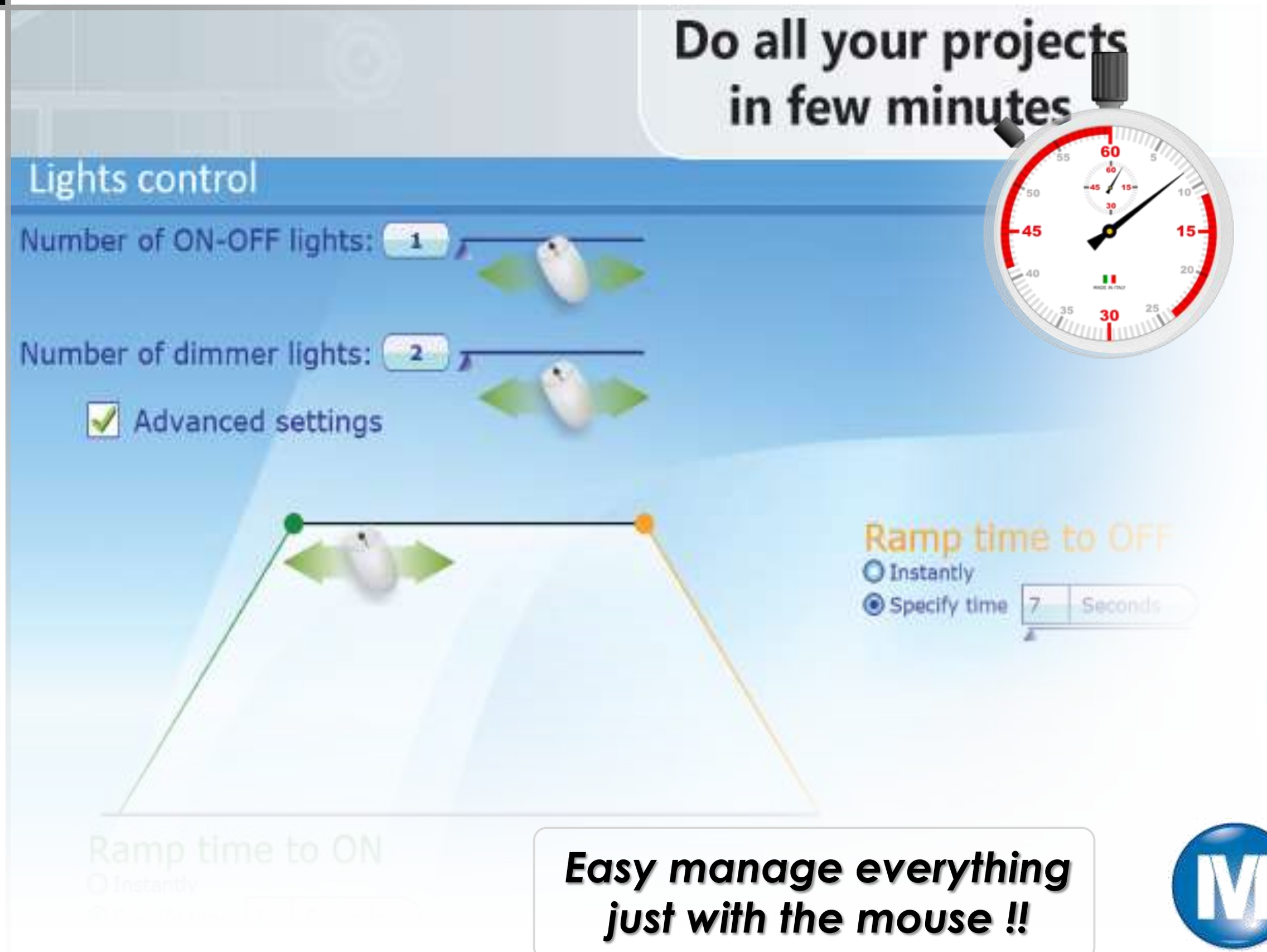
MyVision Software

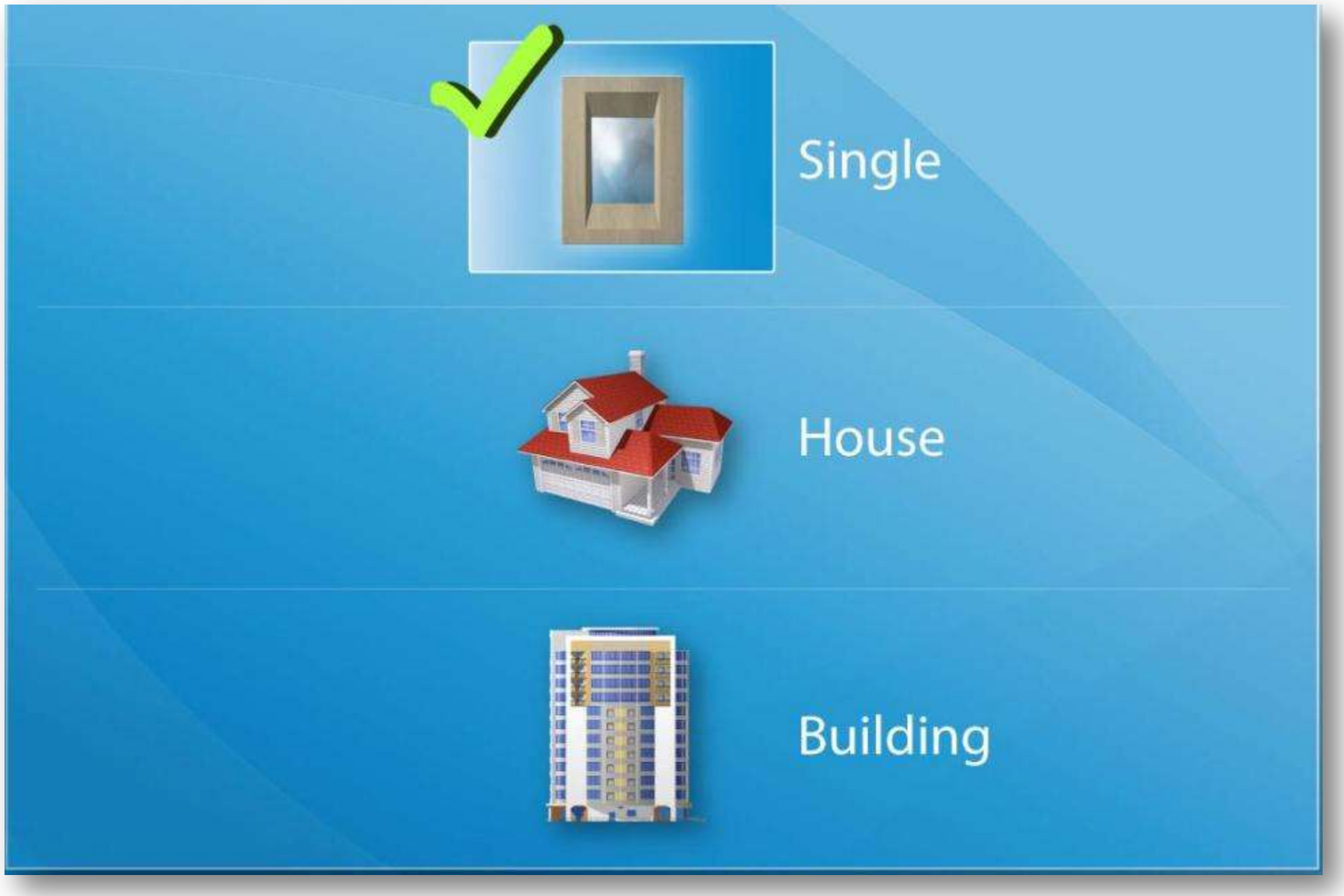


Easy manage everything just with the mouse !!

MyVision Software - Project settings

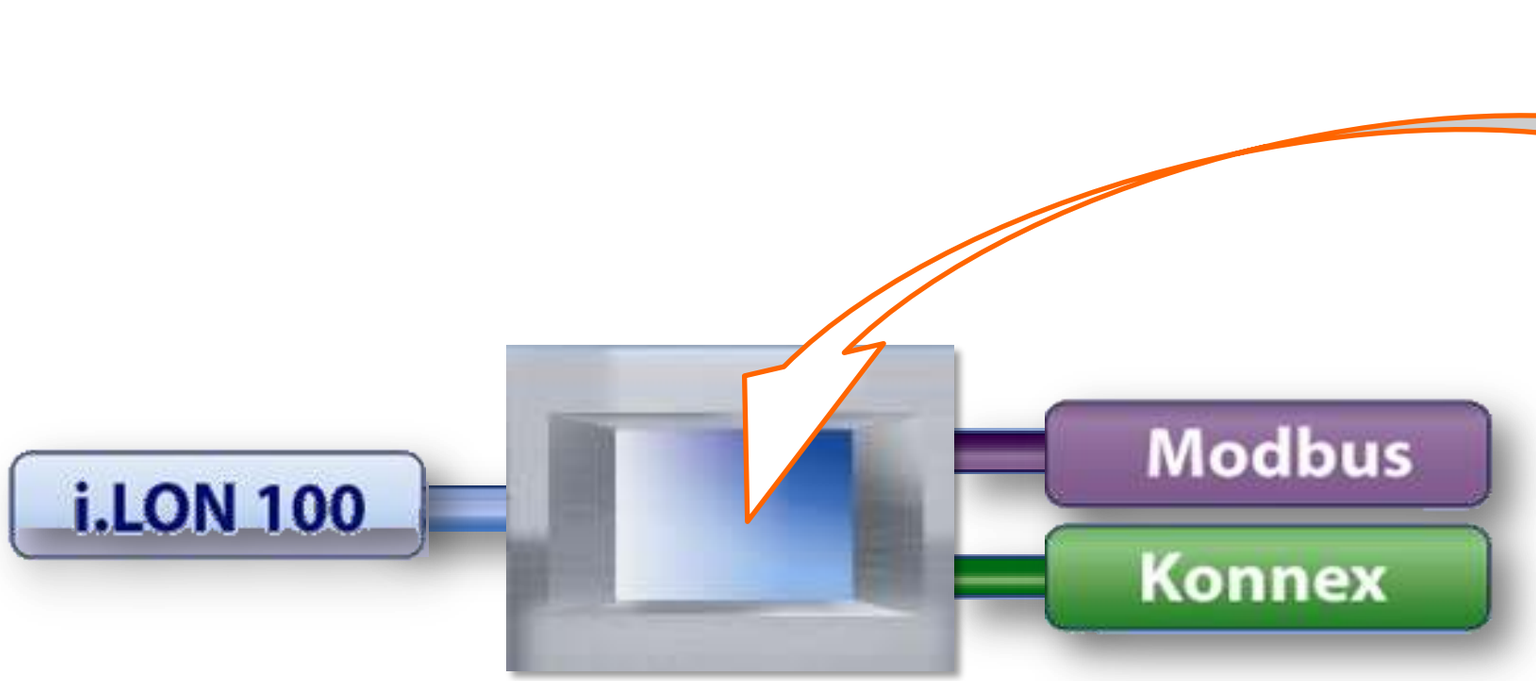
Simple project: *single touch panel*

Define the ***project complexity***



MyVision Software - Project settings

Simple project: single touch panel



My touch panel

List of all supported protocols (devideds by serial, ethernet, etc.)

*You just have to **drag the protocols** you want to use in order to create the solution you need*

Home & Building

MyVision Software

USING VISUALYSER

DMX

EIB-Konnex (KNX)

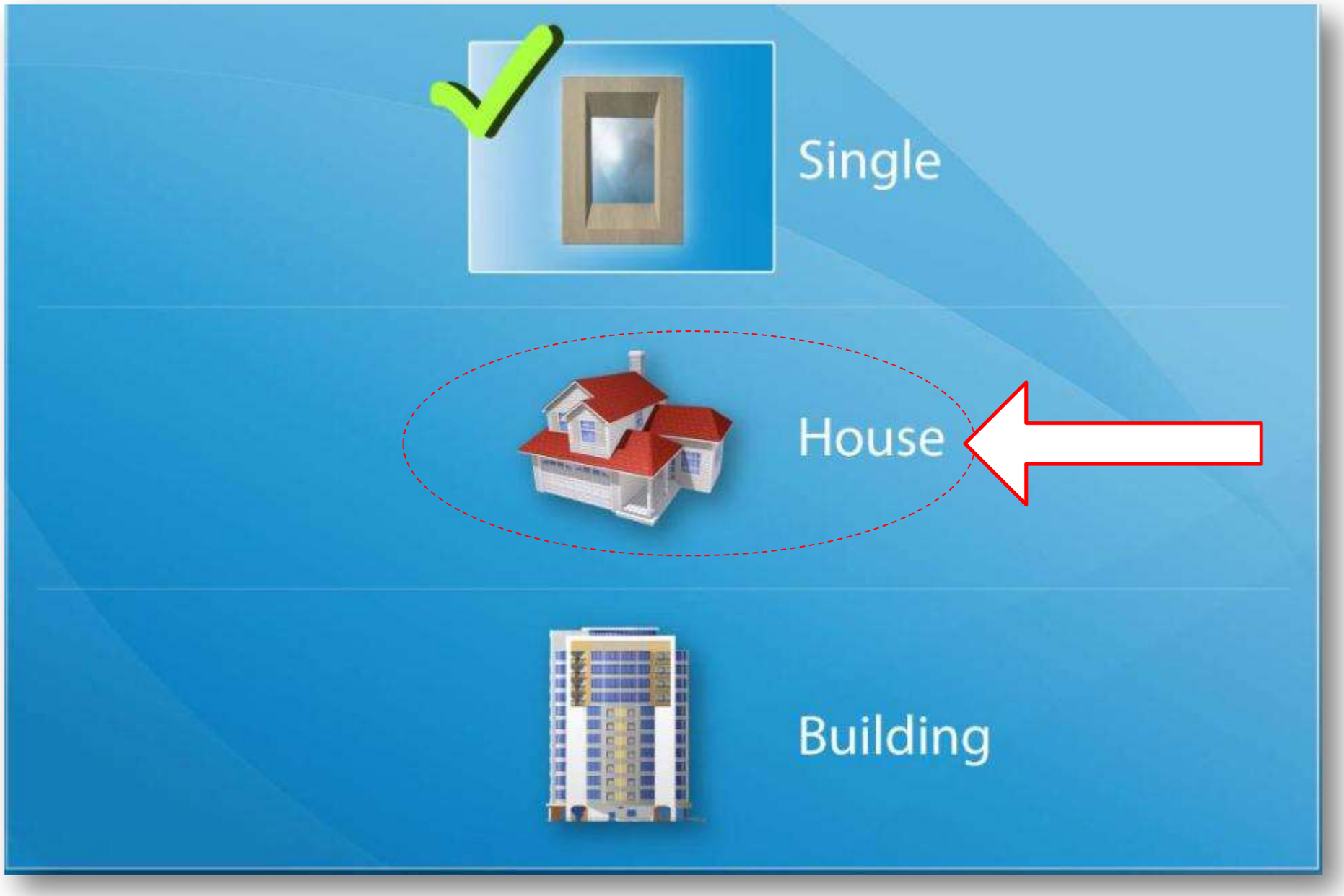
LonMark (LON)

B-Ticino

MyVision Software - Project settings

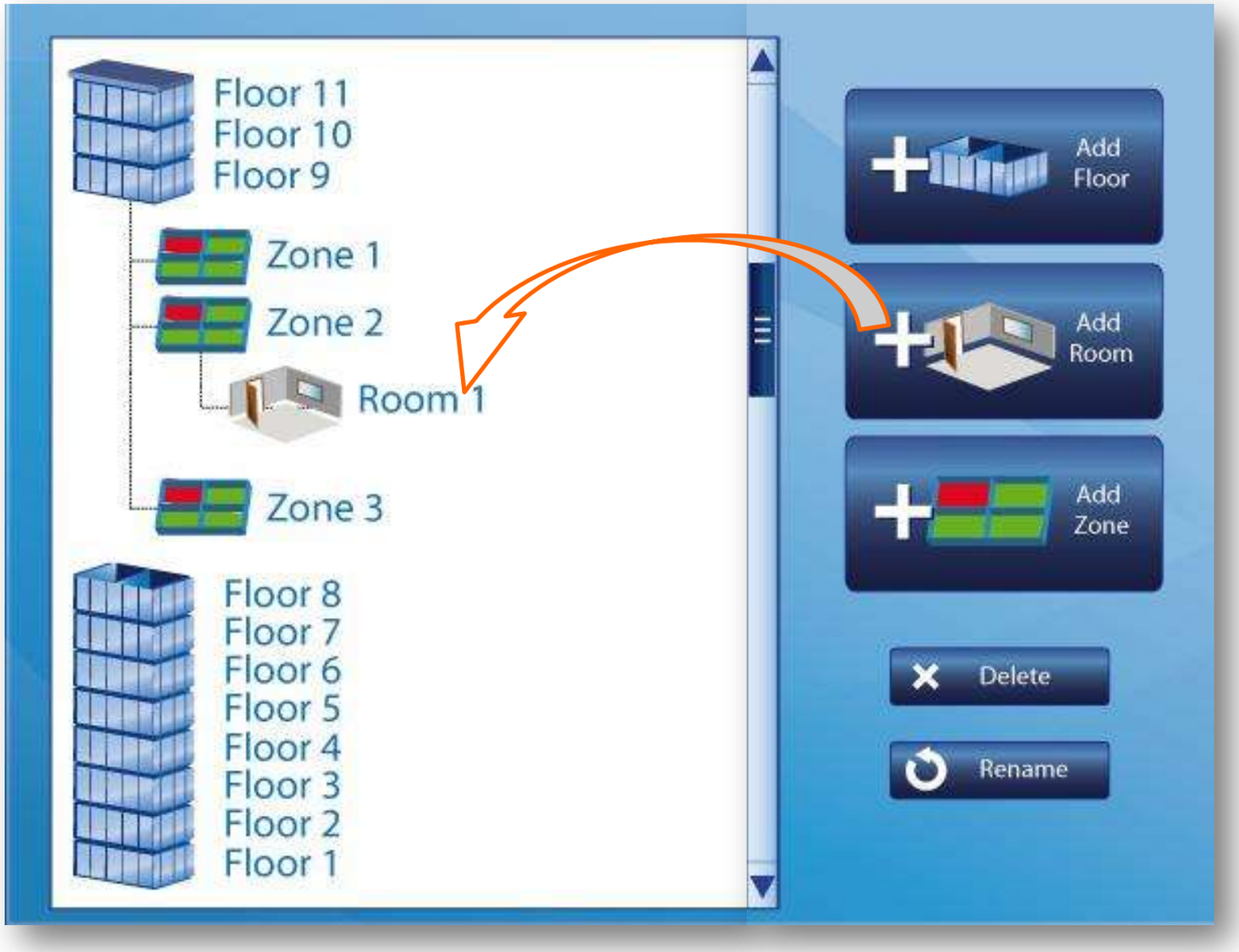
Advanced project: *network of panels*

Define the ***project complexity***



MyVision Software - Project settings

Advanced project: *network of panels*



*Control a complex edifice or a small house by means of a **"Floors", "Zones" and "Rooms" organization**, allowing you to have always under your eyes the **exact building overview**.*

*Optionally define the **building structure***

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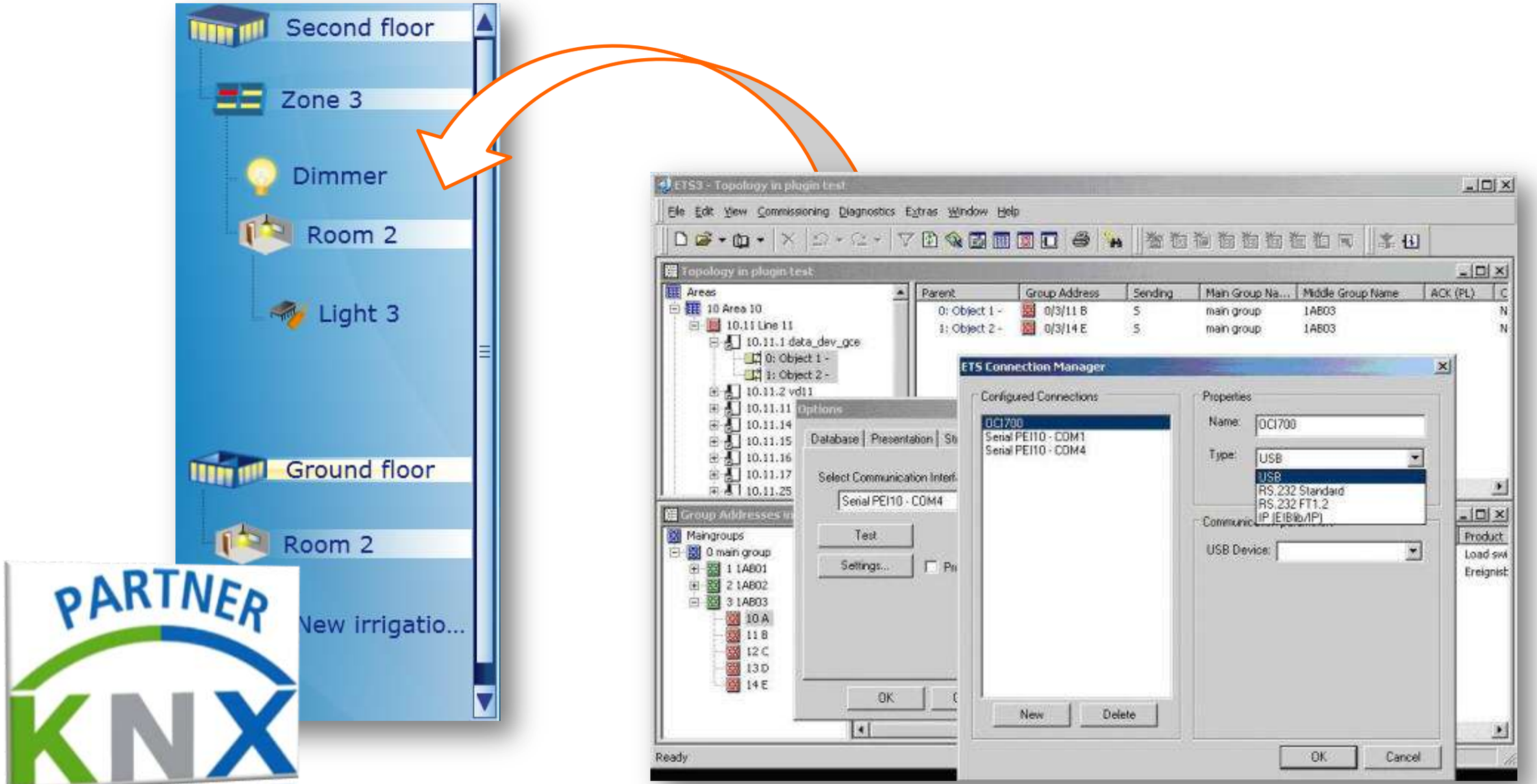
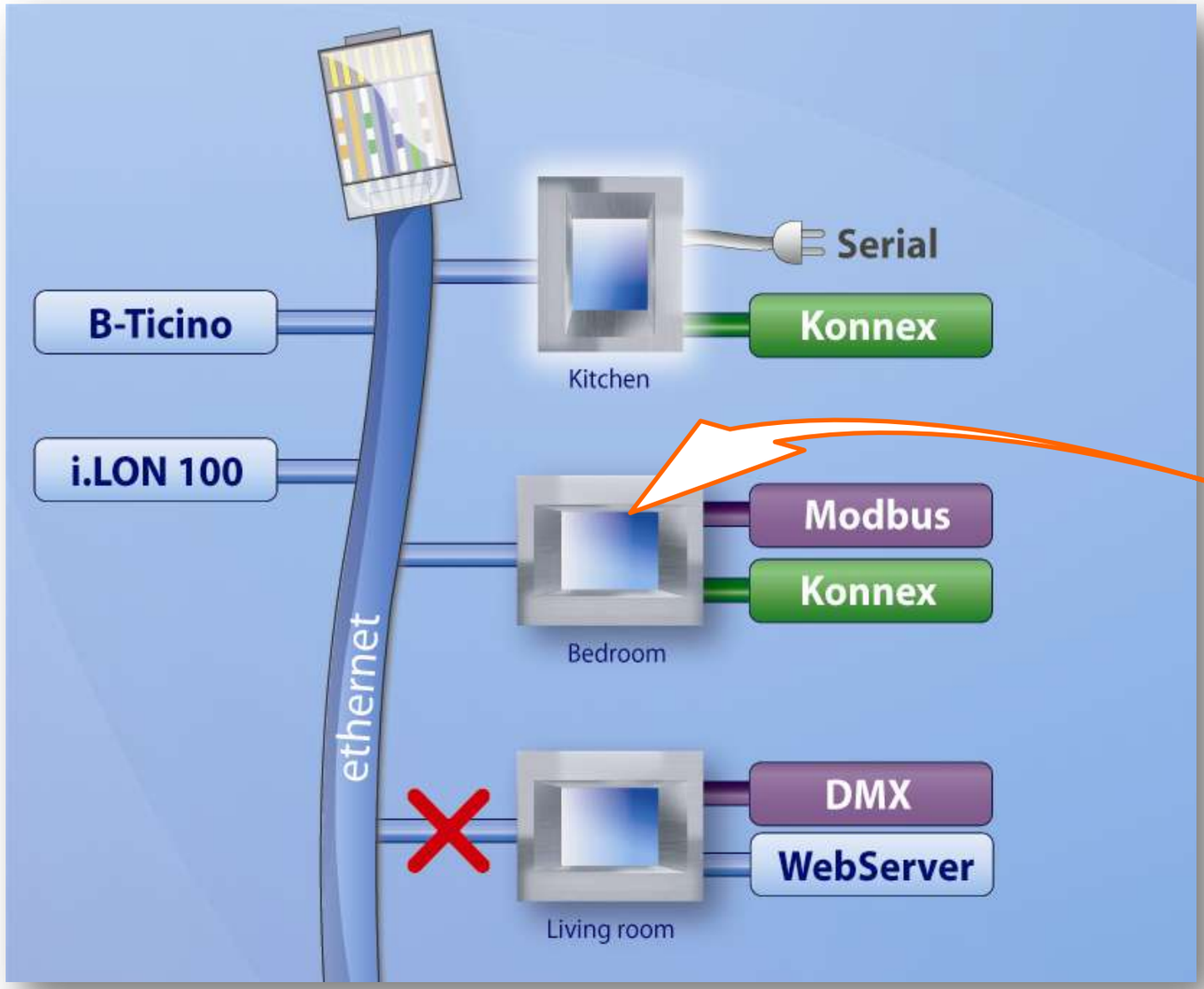
MyVision Software - Project settings



Import from Konnex ETS 4

MyVision Software - Project settings

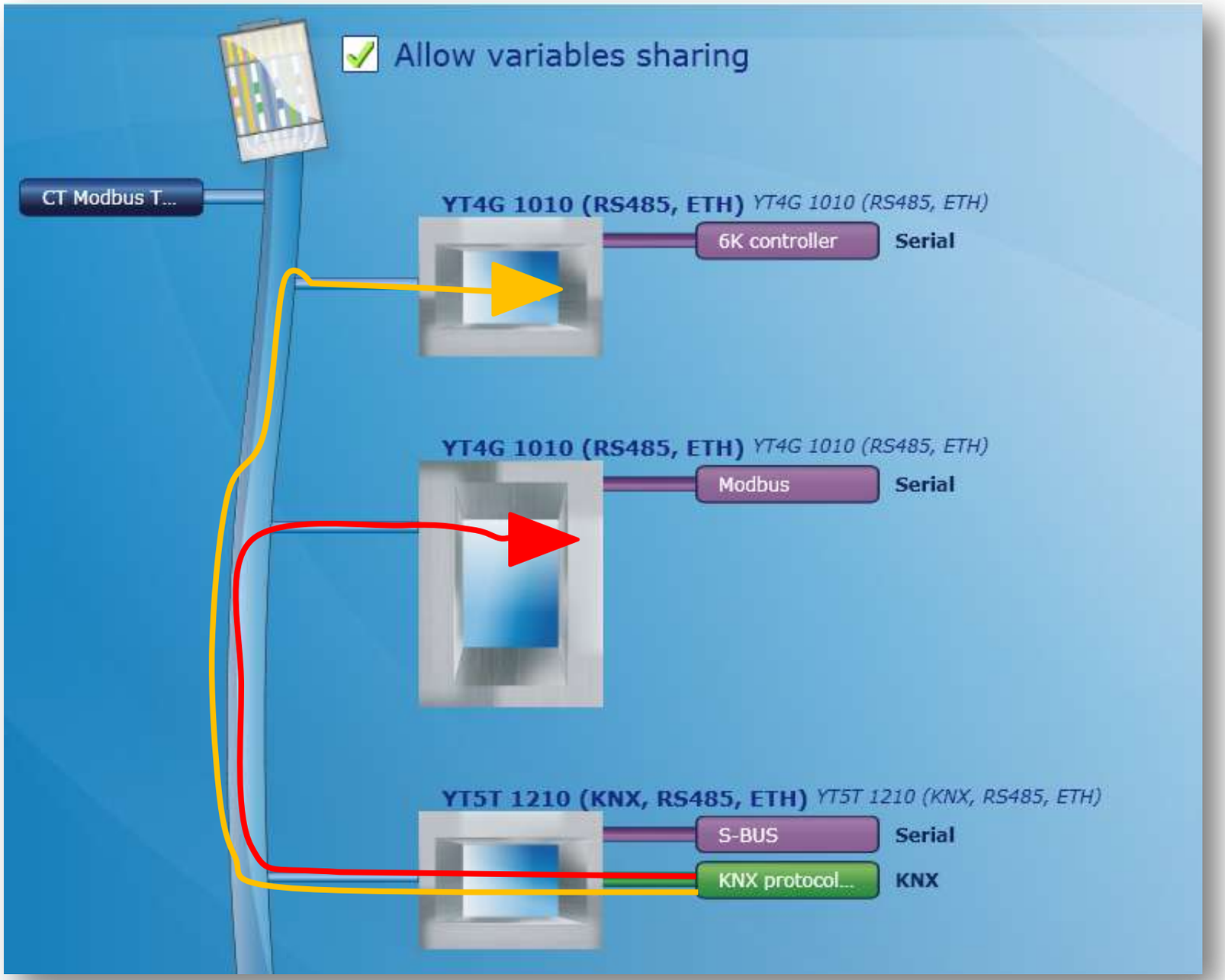
Advanced project: *network of panels*



You just have to ***drag the protocols*** *you want to use in order to create a* ***winning graphical representation of the building structure***.

MyVision Software - Project settings

Automatic Tag Sharing



*Touch panels are able to **share variables each other***

*All the job is **done by MyVision!***

Home & Building

MyVision Software – Pages creation

- Alarms
- Lights (ON/OFF and Dimmer)
- Air-conditioning and heating system
- Irrigations
- Scenarios
- Curtains and rolling shutters
- Doors and windows automation
- Video surveillance
- Events and scenarios scheduling
- Antitheft and access control

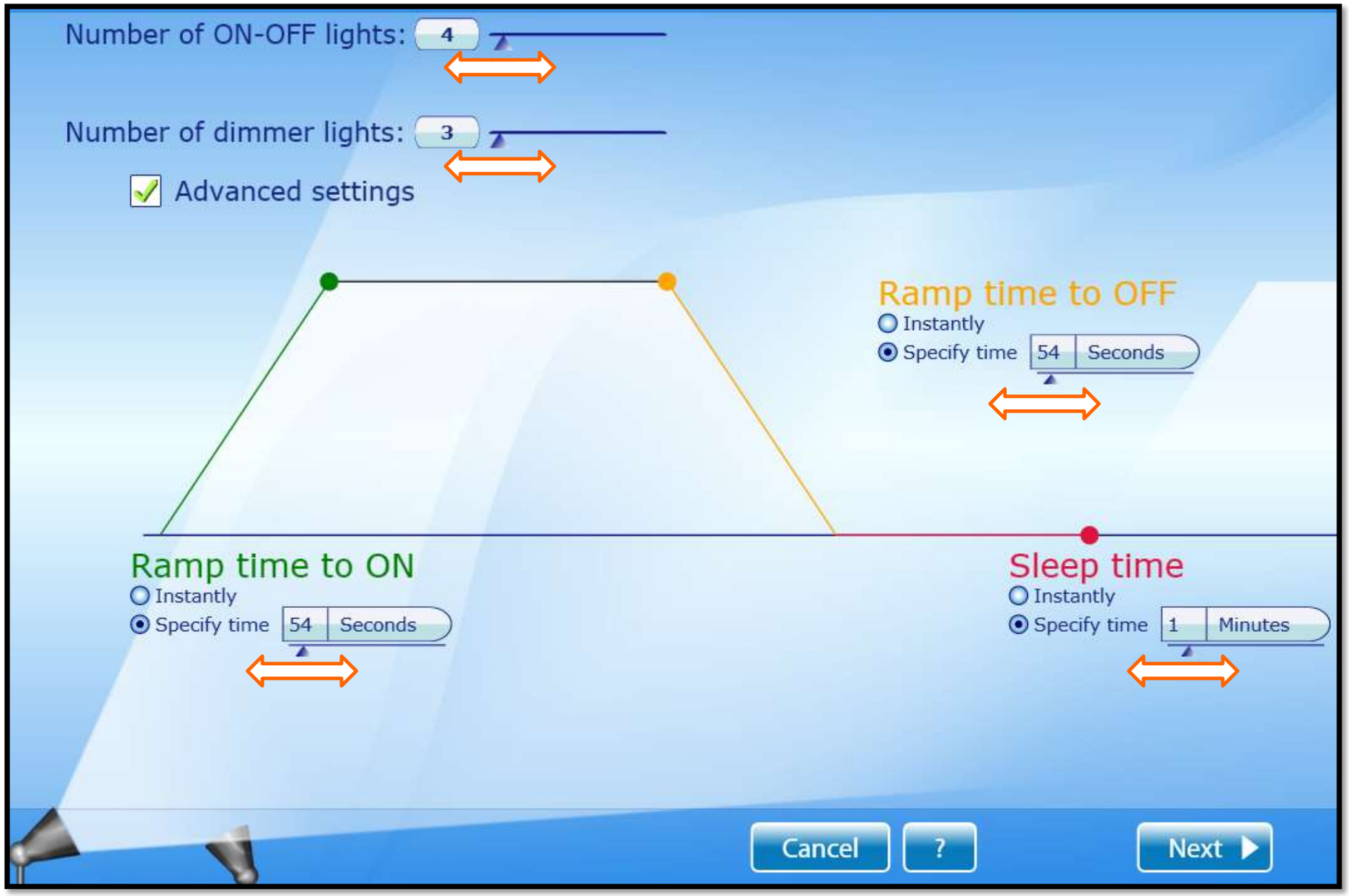
Easy create *your pages with lot of* ***wizards*** *!!*

Dedicated wizard for hotel rooms

MyVision Software – Pages creation

Step 1

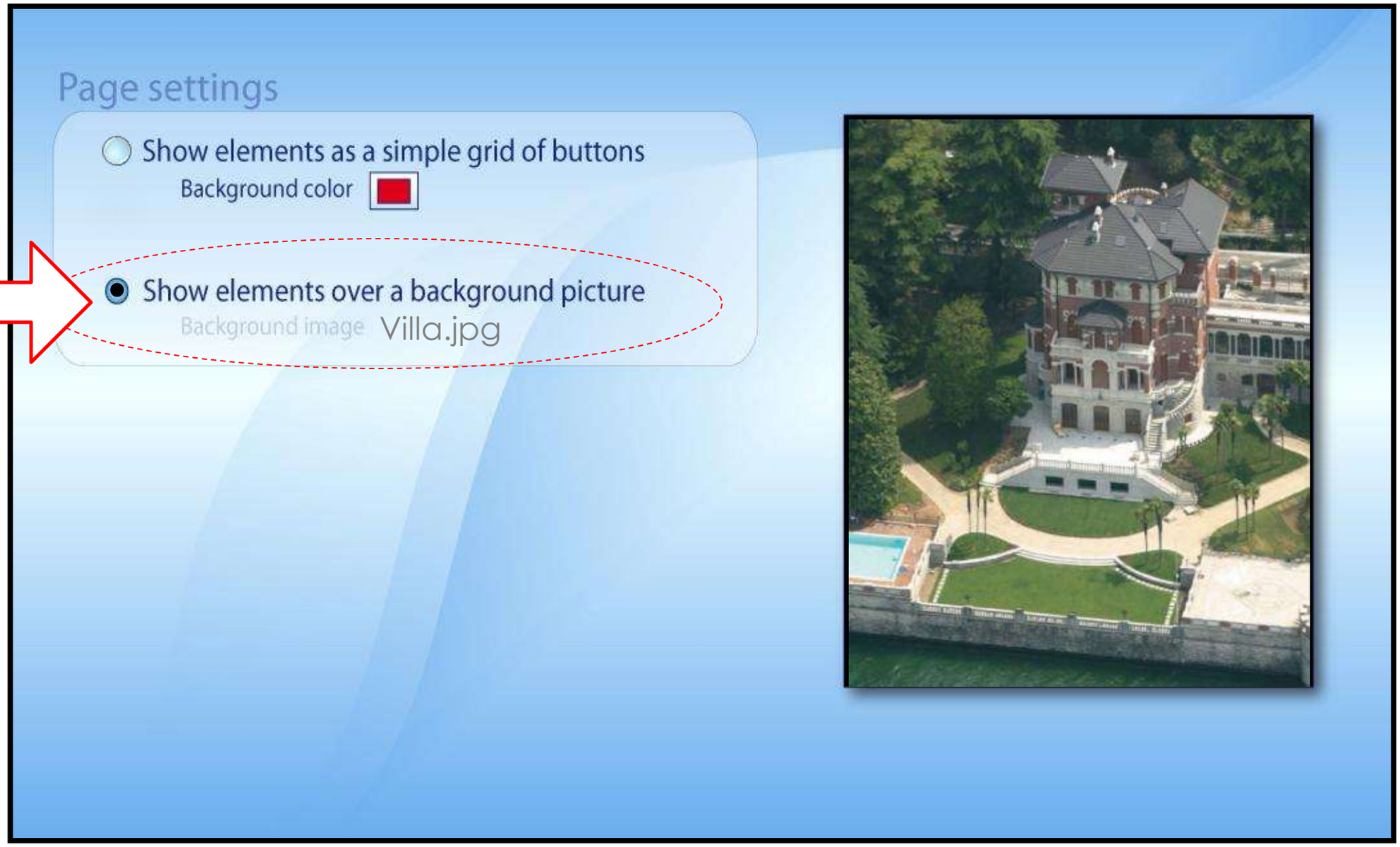
Define the ***number of lights*** and the behavior



MyVision Software – Pages creation

Step 2

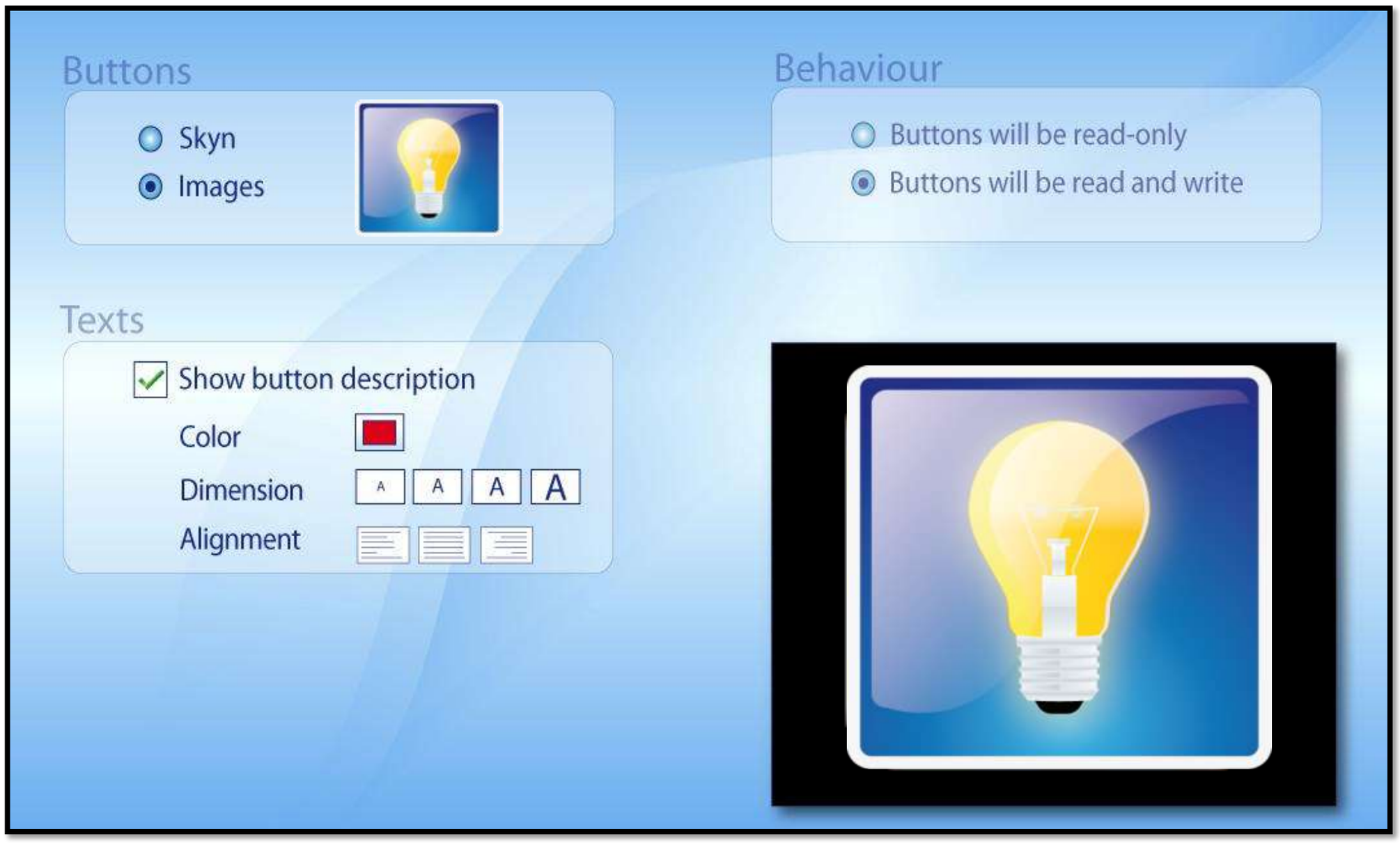
Choose if you want a **grid of button or a background image**



MyVision Software – Pages creation

Step 3

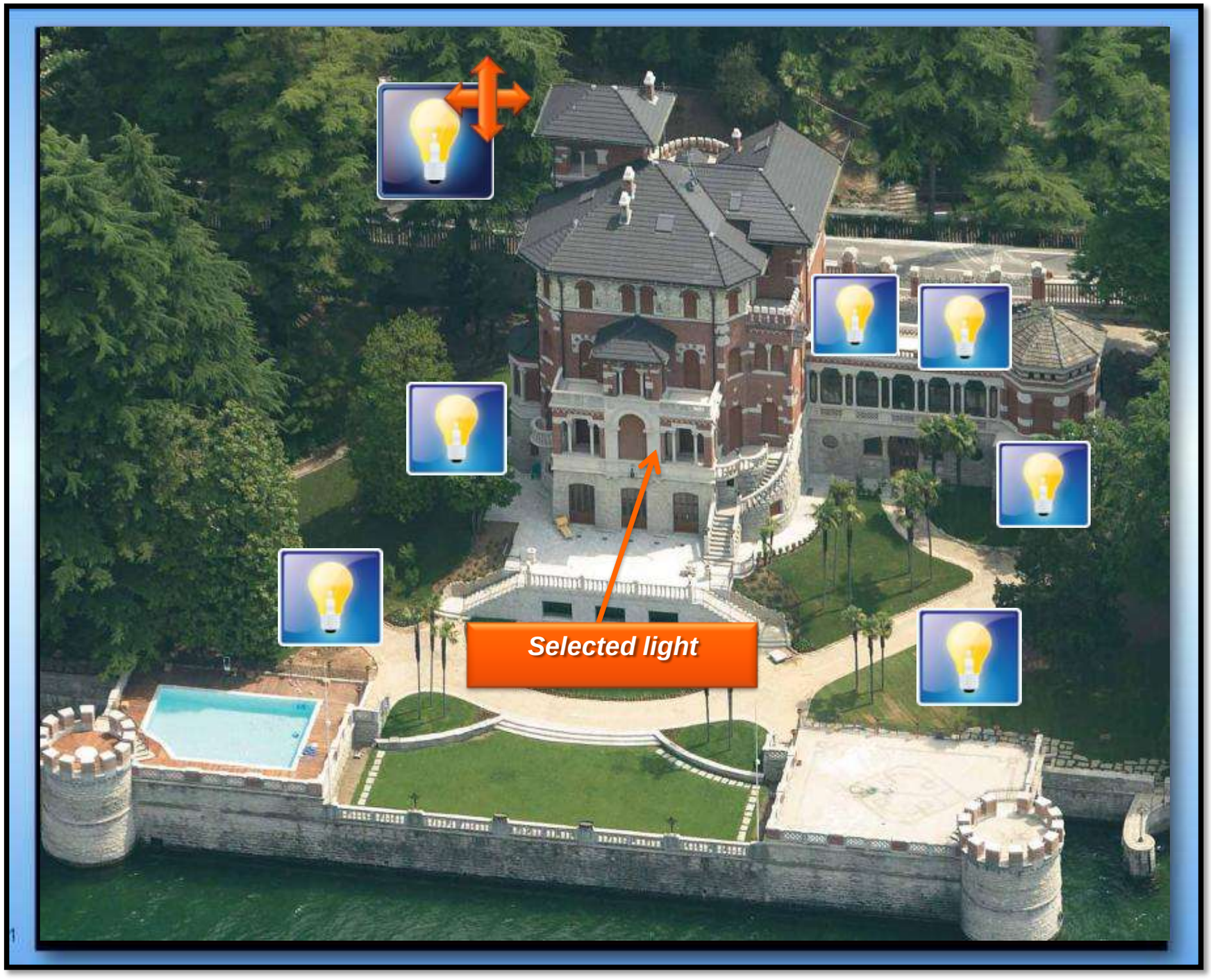
Define button skin and properties



MyVision Software – Pages creation

Step 4

Define lights position moving the icons around the screen

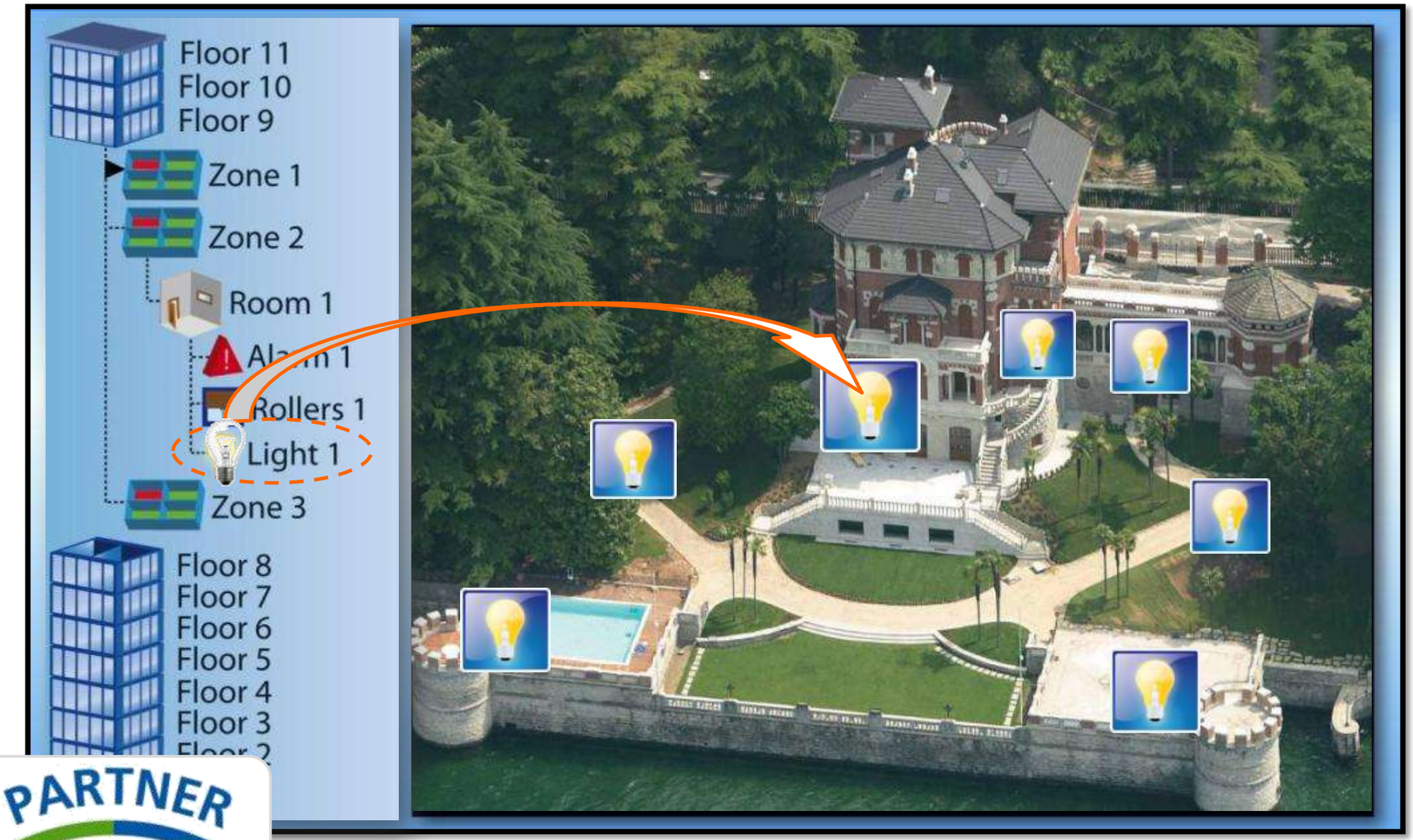


Double click to edit button properties in advanced mode

MyVision Software – Pages creation

Step 5

Drag and drop variables *from the building tree*



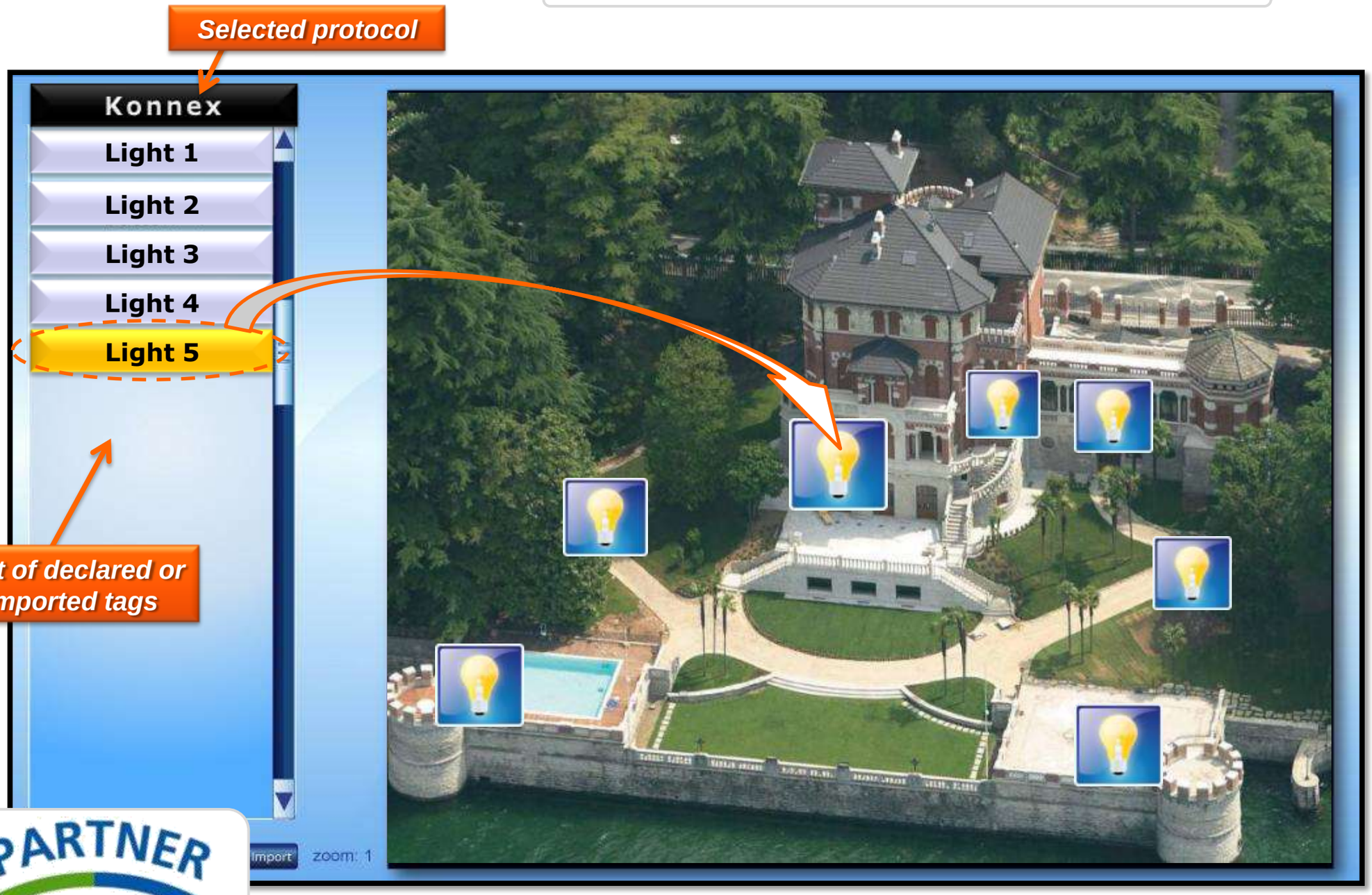
PARTNER KNX

Manage more protocols and tags at once

MyVision Software – Pages creation

Step 5

Directly drag and drop variables



PARTNER KNX

Import tags directly from any supported database

MyVision Software

Scenario management

MyVision Software

Scenario management

MyVision configuration software

Just drag and configure

MyVision Software

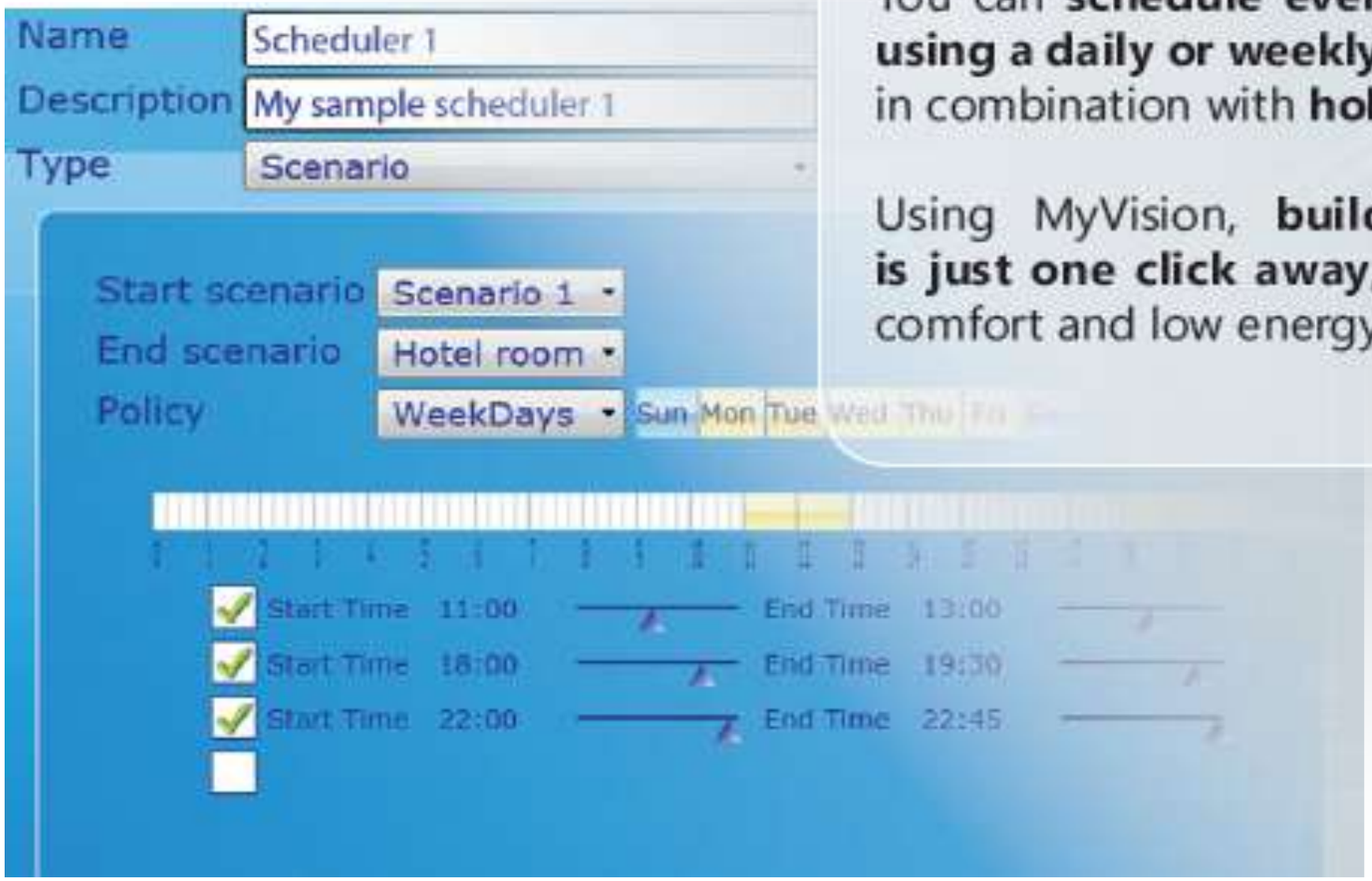
Easy manage scenario at runtime

Touch panel interface

Automatic synchronization of the scenario

Possibility to save the scenario settings at runtime

MyVision Software



HOME AUTOMATION IN YOUR HAND

You can **schedule events and scenarios using a daily or weekly time frame**, even in combination with **holiday calendars.**

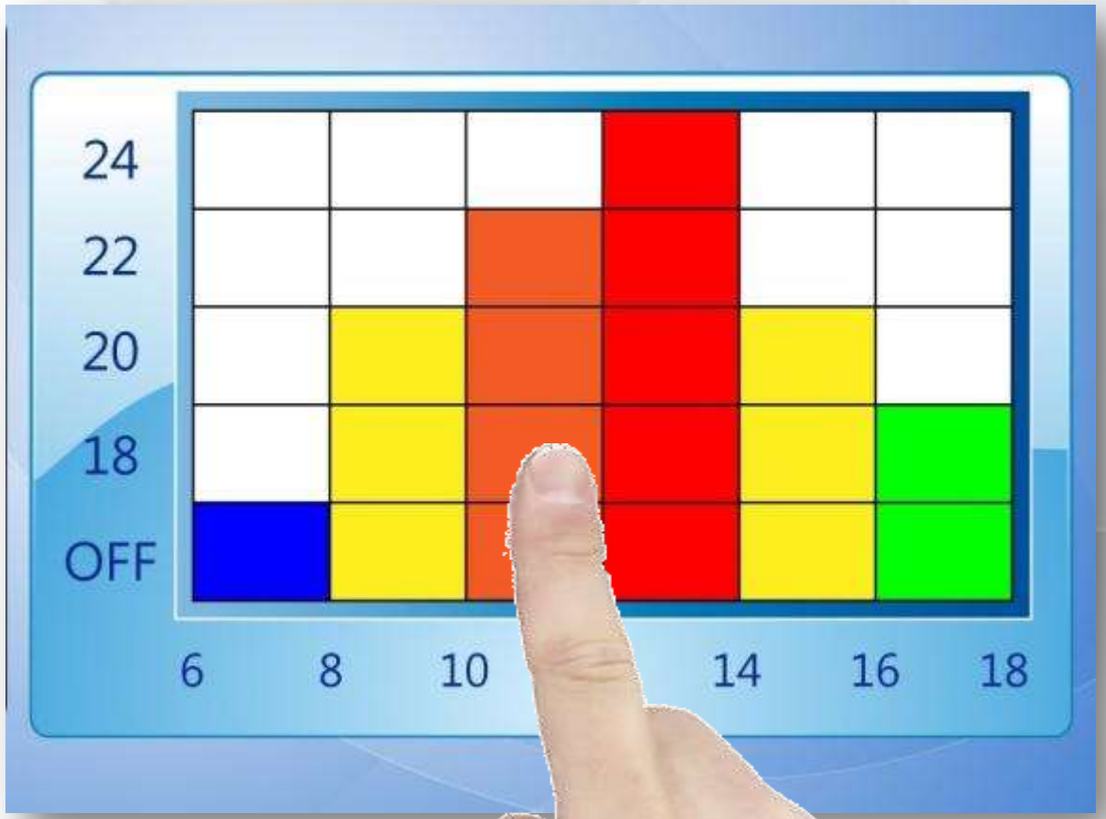
Using MyVision, **building automation is just one click away**, providing a total comfort and low energy consumption.

Schedulers

MyVision Software

CHRONOTERM AND TERMOREGOLATION

No matter you have to manage the temperature of a small apartment or regulate the clima of a whole building: do it always in the best way using **nice looking and intuitive widgets or practical weekly chronoterms.**



Chronoterm

MyVision Software

Set holidays for scheduled tasks

MyVision configuration software

You can choose between specific years or every years

Touch panel interface

Holiday management

Home & Building

MyVision Software

Landscape

Small screens

Big screens

Portrait

Automatic interface configuration

MyVision Software

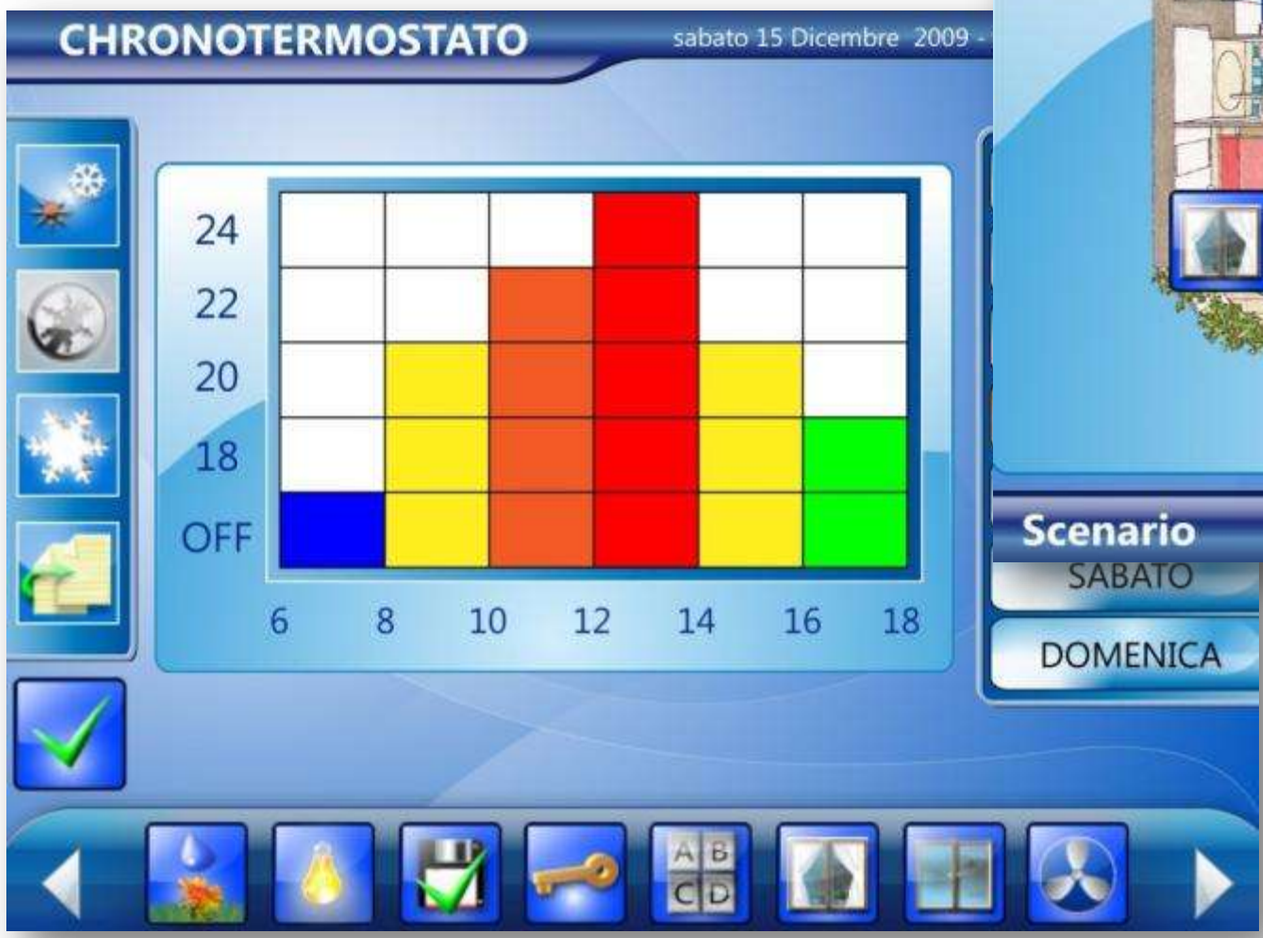
Intuitive user interface

Scheduler

Holidays

MyVision Software

Intuitive user interface



Chronoterm

Scenario control

MyVision Software

Intuitive user interface

Alarms

Video surveillance

Home & Building

MyVision Software

Easy to use advanced controls

Home & Building

MyVision Software

7 icons' families to choose from

MyVision Software

Navigation and Title bar

Navigation bar and Title bar are automatically created and resized to perfectly fit the display size

MyVision Software

Video streaming

(using an IP camera)

MyVision Software

Landscape

Portrait

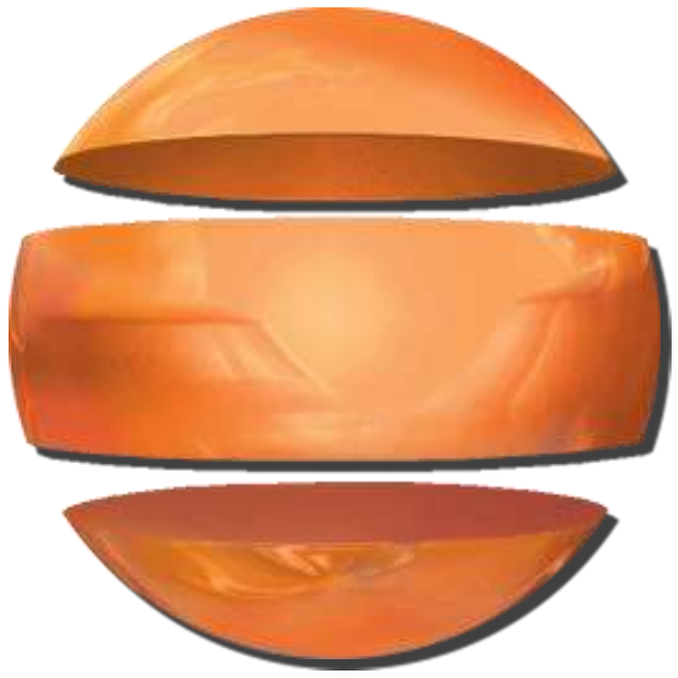
Home & Building

Remote Access

Remote control *every touch panel using a standard* ***internet*** *connection, a* ***VPN*** *(Virtual Private Network) or a* ***LAN***

Polymath Advanced

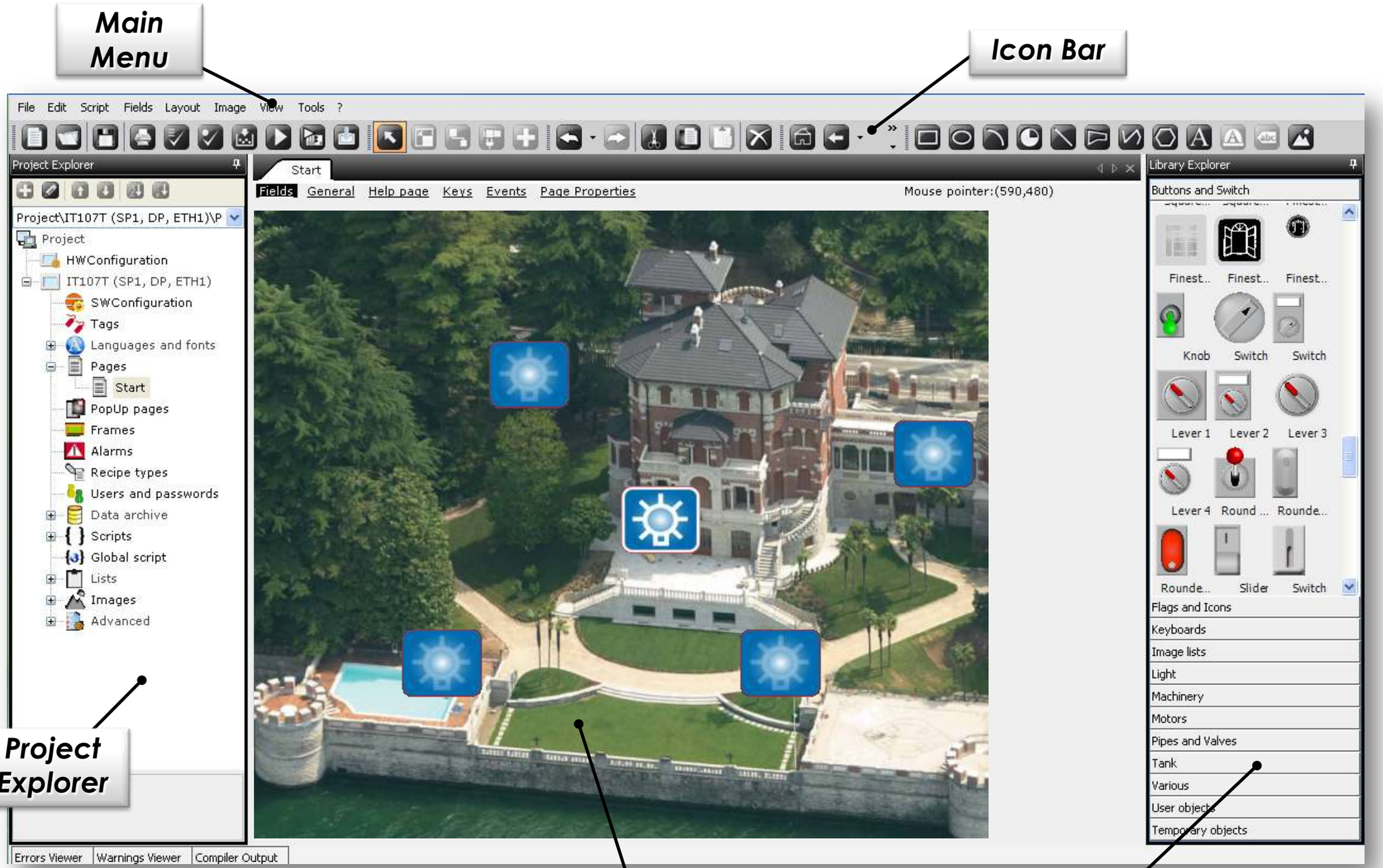
Advanced programming tool for Visualyser panels and PCs



Polymath Advanced

with EZbuilder

Polymath Advanced



Trends

Trends *allow the user to monitor the variable progress by having graphics displayed and updated in real time.*

Preset functions:

- ✓ **Zoom**
- ✓ **Cursor**
- ✓ **Pen Selection, etc.**

Alarms

The alarms that are available correspond to the ***ISA standards****.*

In addition, ***alarm recognition*** *can be configured in accordance with personalized approaches directed at groups of alarms or individual alarms.*

- ✓ **Priority Management**
- ✓ **Group Management**
- ✓ **User defined filtering**

Pop-up and Frames

Popup pages make possible to manage information and messages on more than one level.

Frames are objects which offer the advantage of being ***able to create individual portions of pages to be inserted more than once*** *in different project pages*

(e.g., menus or navigation bars)

Polymath Advanced

Import and Export

At any moment, all **data can be exported onto removable supports**, like pen drives and memory cards (Secure Digital), and onto local or network disks.

- ✓ **Recipes**
- ✓ **Alarm History**
- ✓ **User Logs**

Reports

Reports are useful for ***printing data related to the state or to the history of an application*** *(e.g., Weekly production).*

They can contain all the graphic objects that can be added to the pages and project data.

In addition, they can be saved and archived.

Polymath Advanced

Users management

Each project can be configured allowing up to ***10 different user levels***

Any element or function can be protected by a password.

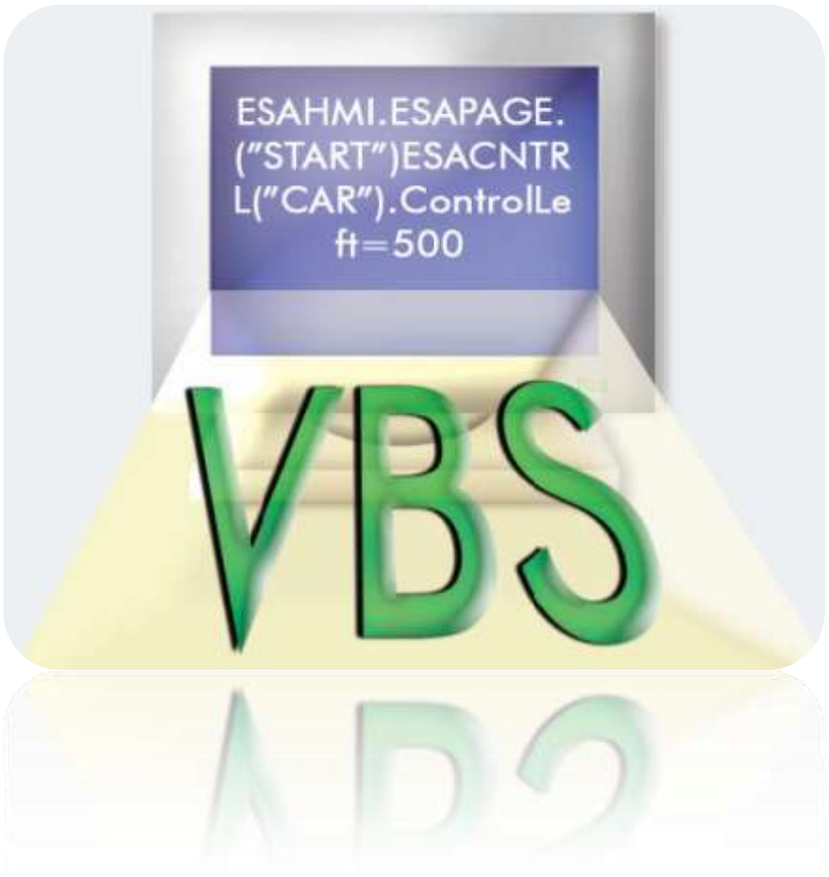
It is also possible to trace users in a log file.

Polymath Advanced

Real-time validation

Validation is a debugging tool that gives a ***real time display of the list of anomalies in the project*** *(subdivided into errors and warnings): just by clicking on the corresponding line, the application will place itself at the point the correction must be made.*

Polymath Advanced



VB Script

Polymath offers a ***further level of personalization using VBScript*** *with* ***Intellisense****.*

VBScript is a standard language which allows users to create their own routines for managing the various elements of the project.

Languages

- ✓ **8 on-line languages**

Fonts and Languages

All Fonts *that are usable in a Windows environment can be inserted into projects, making it possible to personalize and to make the graphics of the projects more comprehensible.*

The projects can be displayed as runtime in ***different languages****.*

The ***texts in each language can be exported and saved*** *in standard CSV format to be more easily edited.*

Polymath Advanced

Reports

Runtime Printing

- ✓ **Report**
- ✓ **Alarm history**
- ✓ **Hardcopy of the project.**

Project ***reports containing key data of the application or the entire displayed page can be printed*** *at any given moment by connecting a local (USB, LPT) or network printer to the terminal*

Polymath Advanced

Image editing
DWG and DXF support

It is possible to import designs from ***AUTOCAD®*** *or any other software that exports* ***DWG or DXF formats***.

MyVision Software

Alarms *dispatched by* **Email and SMS**

Automatic dispatching of **daily reports**

Home & Building

Supported drivers

PLC Serial Drivers

- Allen Bradley SLC500 5/03 - 5/04 DF1
- ABB Modbus
- Beckhoff BC7300 / BK7300 / BX3100
- Beckhoff KL6001 / KL6021
- GE Fanuc Series 90-30, Versamax
- Hitachi EH150/H250/H252B-C/H302/H702/H1002/H2002/H4002
- Klockner Moeller PS306-PS316-PS416 CPU223
- Klockner Moeller PS416 CPU400
- Klockner Moeller PS4-201-MM1
- Klockner Moeller PS4-341-MM1
- Mitsubishi FP series
- Modbus RTU Master
- Omron CS1-CJ1 series
- Omron H series/Host link
- Saia Profi-S-Bus
- Saia S-Bus
- Siemens S7 200 PPI Network 9600, 19200, 187500 bit/s
- Siemens S7 300/400
- Telemecanique Twido (Modbus port)
- Telemecanique Unitelway TSX07/37/47/57 (Premium)
- Telemecanique Unitelway TSX17
- …many more

Ethernet Drivers

- Berthel ModuCon-S7, ComCon-S7 Eth.
- CTNET Ethernet
- Ethernet IP (Allen Bradley)
- Galil DMC 2x00 series Ethernet
- Modbus TCP/IP
- Omron Ethernet FINS
- SAIA Ether-S-Bus
- Siemens Industrial Ethernet
- Telemecanique TSX Premium (Modbus TCP/IP)
- … *many more*

Other Serial Drivers

- Control Techniques CT Modbus RTU
- Eurotherm 605/590plus/650v/690plus
- Hengstler 901/906
- Keb F0-F4C-FAF-F4S-S4 Series
- Keb Combivert F5 Series
- Omron 3GEV Series (Modbus RTU)
- Parker 6K controller
- Parker 6000 / Zeta controller
- Parker GT6 / GV6 controller
- Siemens Simovert VC Series
- Telemecanique Altivar (Modbus RTU)
- Trio Motion (Modbus RTU)
- West 6100/6600
- … *many more*

Polymath Machine Edition

Any project developed with the Polymath Advanced development room can even be carried out on any ***PC with Windows XP Professional or Windows XP embedded*** *operating systems and on ESA XS terminals*

+