



## *Configuration Manual*

## Contents

1. Introduction .....	3
1.1 About EAE Technology .....	3
1.2 About Valesa Touch Panel .....	3
3. Smarthome Configuration Software .....	4
3.1 Site Management & Security & Concierge .....	6
3.2 Cameras .....	6
3.3 Block .....	6
3.4 Apartment .....	7
3.3.1 Safety .....	8
3.3.2 Alarm .....	8
3.3.3 Logic .....	10
3.4 Rooms .....	10
3.4.1 Lighting .....	11
3.4.2 Blind .....	13
3.4.3 Conditioning .....	14
3.4.4 General Control .....	15
3.5 Intercom .....	15
5. Importing project into Touch Panel .....	16
5.1 Remote project import to Valesa .....	16
5.2 Local project import to Valesa .....	17
6. Example project .....	19
6.1 Overview of the project .....	19
6.2 Creating the Project .....	21
6.3 Configuring 3 <sup>rd</sup> party devices .....	22
6.4 Configuring SIP Server .....	23
6.5 Configuring Valesa Settings .....	23
6.6 Connecting 3 <sup>rd</sup> party devices to Valesa .....	24
6.6.1 Site Management .....	24
6.6.2 Cameras .....	25
6.6.3 Concierge .....	25
6.6.4 Security .....	26
6.6.5 Intercom .....	26
6.7 Configuring Apartment Type .....	27
6.7.1 Safety .....	27



6.7.2 Alarms .....27

6.7.3 Logic.....30

6.8 Creating Rooms .....31

6.8.1 Lighting .....31

6.8.2 Blind.....33

6.8.3 Conditioning.....34

6.8.4 General Control .....34

7.0 Summary.....35

## **PREFACE**

This is the configuration guide for Valesa Touch Panel. The information in this document may be modified without notice and EAE Technology Co. assumes no commitments.

© 2018 EAE Technology. All Rights Reserved.

Valesa Touch Panel, Valesa logo, software graphics, button icons are trade products and commercial offerings of EAE Technology Co.

Any other trademarks in this guide belong to their respective owners.

## **1. Introduction**

EAE Group which has distributors and authorized dealers in 95 countries is a leading manufacturer of electrical products in Turkey with more than 2.500 employees worldwide. EAE Technologies is established as a member of EAE Group to create and provide pioneering hardware and software products and complete system solutions for building automation and management. Our vision is to transform the current building automation industry via cutting-edge user interface design and powerful backend algorithms.

### **1.1 About EAE Technology**

We believe that creating energy efficient buildings having comfortable atmosphere must be much simpler and affordable than traditional solutions. We will always provide expandable and interoperable solutions, fully customizable to customer's real needs and wants, avoiding proprietary, disconnected and closed system solutions.

As EAE Technology, we develop value added solutions for international markets in our R&D center. We continue to develop innovative products in smart home and buildings industry, and deliver all our products in accordance with international, open standards such as KNX, DALI, TCP/IP and WiFi.

To this end, we are proud to introduce building management system, Hyperion visualization & control software and our basic line of KNX & DALI devices to the World, bringing technology of the future to the building infrastructure, software and field equipment.

### **1.2 About Valesa Touch Panel**

Valesa Touch Panel is a product in EAE Technology product range with the purpose of monitoring and controlling various smart home applications. Some features include communicating with Intercom, cameras and concierge services. Valesa Touch Panel has an 11.6" Full HD LG touch screen. Elegant design with a thickness of only 10mm, Valesa offers total of 8 isolated binary inputs and 6 (220V 5A) outputs. Note that there are two versions of

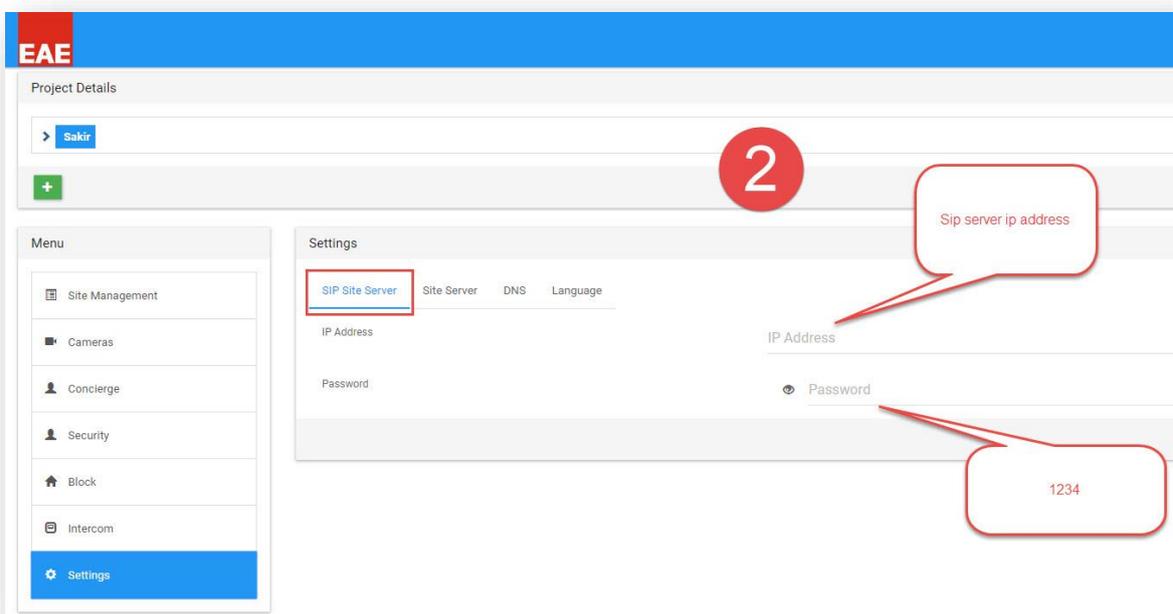
Valesa, with or without relay outputs. For more information please contact us: [www.eaetechnology.com](http://www.eaetechnology.com).

### 3. Smarthome Configuration Software

Open “Smarthome Configuration” windows application. Create a new project.  
Apply the steps described below one by one and avoid skipping any step.



Click Settings tab and follow the steps below.



**3**

Project Details

Sakir

Menu

- Site Management
- Cameras
- Concierge
- Security
- Block
- Intercom
- Settings**

Settings

SIP Site Server **Site Server** DNS Language

Ip Address

URL

Site server ip address

https://eaetechnology.com

This address is only for testing. When you have a project later on you should have domain address especially for this project.

**4**

Project Details

Sakir

Menu

- Site Management
- Cameras
- Concierge
- Security
- Block
- Intercom
- Settings**

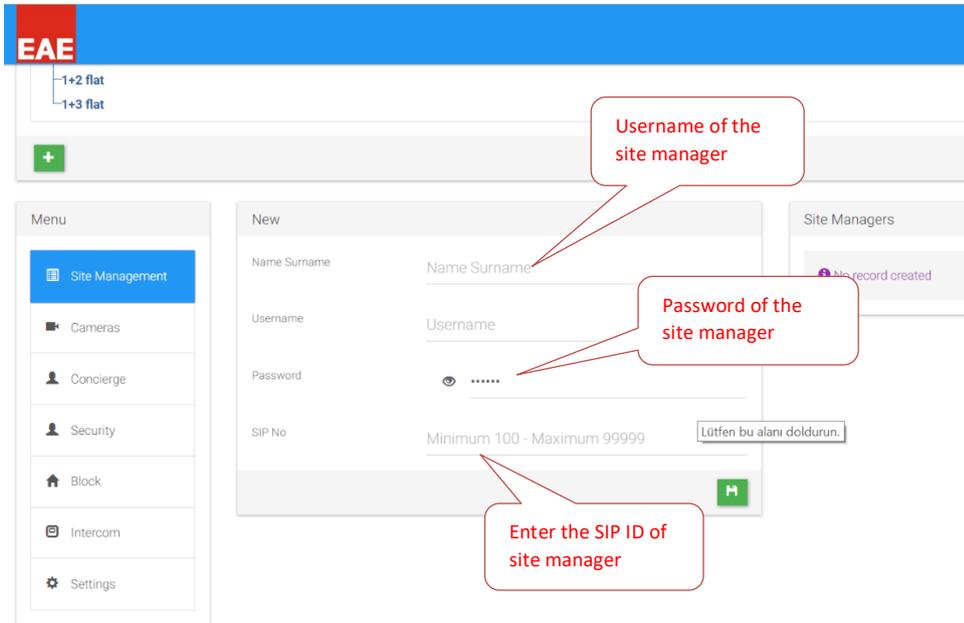
Settings

SIP Site Server Site Server **DNS** Language

Method  DHCP  **Static**

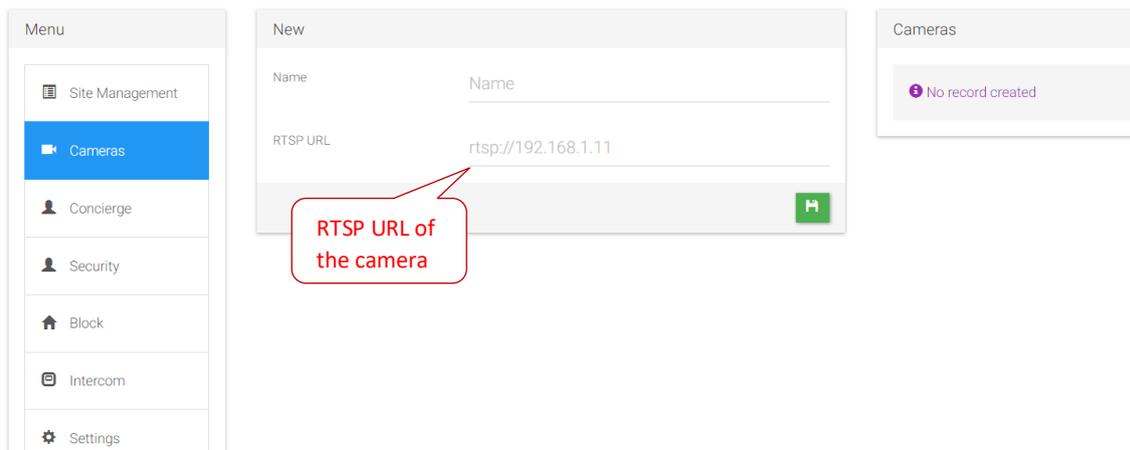
### 3.1 Site Management & Security & Concierge

Site managers, security personnel and people responsible for concierge services are given a software to communicate with residents through touch panels. This software has its own SIP ID and is used to send/receive messages to/from residents. In addition, calls can be made to these services with this software. For the concierge section, any service box you check in the configuration section will make it available on the screen. Other parts of configuration are the same for all three.



### 3.2 Cameras

You can add cameras to the touch panel either through an NVR device or directly from the network. To find out rtsp url of cameras on an NVR, refer to NVR documentation. Also, different camera brands may have different rtsp URL structures. Cameras to be added to the touch panel need rtsp stream capability with h264 codec. You may need to configure the cameras to enable these features.



### 3.3 Block

Click on the Block tab and create Block for the project. More information about Blocks at section 1.5.

The screenshot shows the 'New Block' configuration page. On the left is a 'Menu' sidebar with options: Site Management, Cameras, Concierge, Security, Block (highlighted), Intercom, and Settings. The main form has two tabs: 'Block' and 'Apartment'. The 'Block' tab is active, showing fields for Name, Apartment Count, Netmask, Gateway, DNS 1, and DNS 2. A green 'H' button is at the bottom right. Three callouts provide instructions: 1. 'Enter the number of apartments in the block' points to the 'Apartment Count' field. 2. 'Usually 255.255.255.0' points to the 'Netmask' field. 3. 'For instance, if touch panel IP is 192.168.0.XX, Gateway is usually 192.168.0.1' points to the 'Gateway' field.

### 3.4 Apartment

To add apartments into the blocks apartment types should be defined.

The screenshot shows the 'New Apartment Type' configuration page. At the top, a 'Project Details' section shows a dropdown menu with 'Valesa\_de' selected and a green '+' button below it. A callout says 'Click on the add button and create apartment types'. Below this is a 'Menu' sidebar with options: Site Management, Cameras, Concierge, Security, Block (highlighted), Intercom, and Settings. The main form has a 'New' section with fields for Name Surname, Username, Password (with an eye icon and dots), and SIP No (with a range 'Minimum 100 - Maximum 99999'). A green 'H' button is at the bottom right. A 'Site Managers' section on the right shows 'No record created'.

Click on an apartment type you have just created. You will be taken to a configuration page consisting Safety, Alarm and Logic.

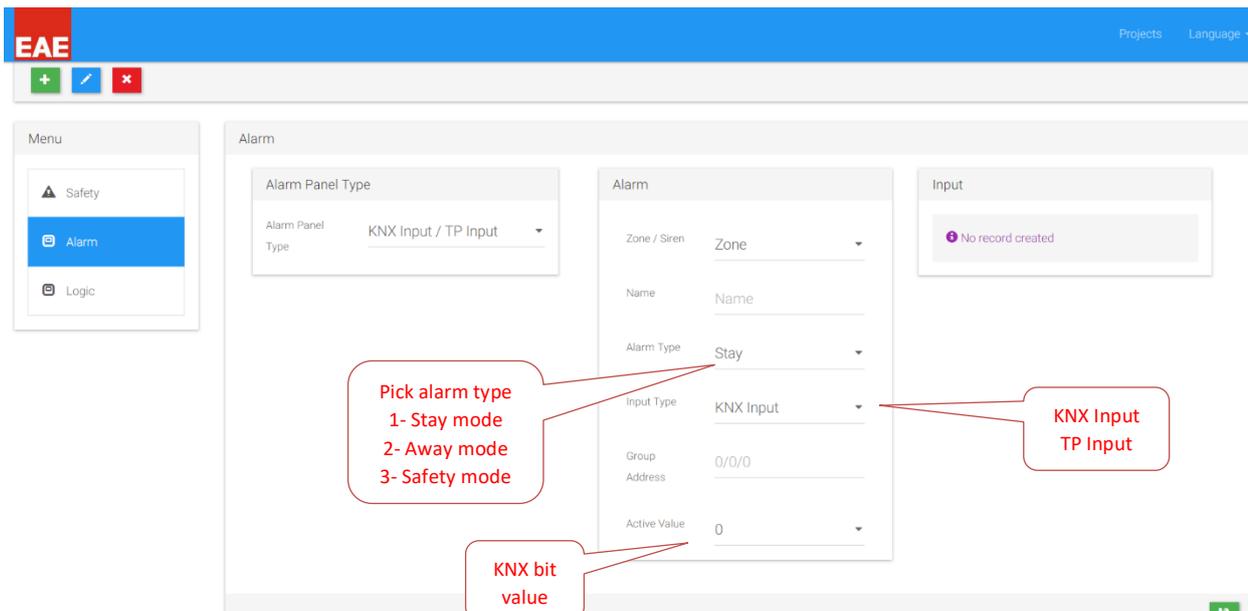
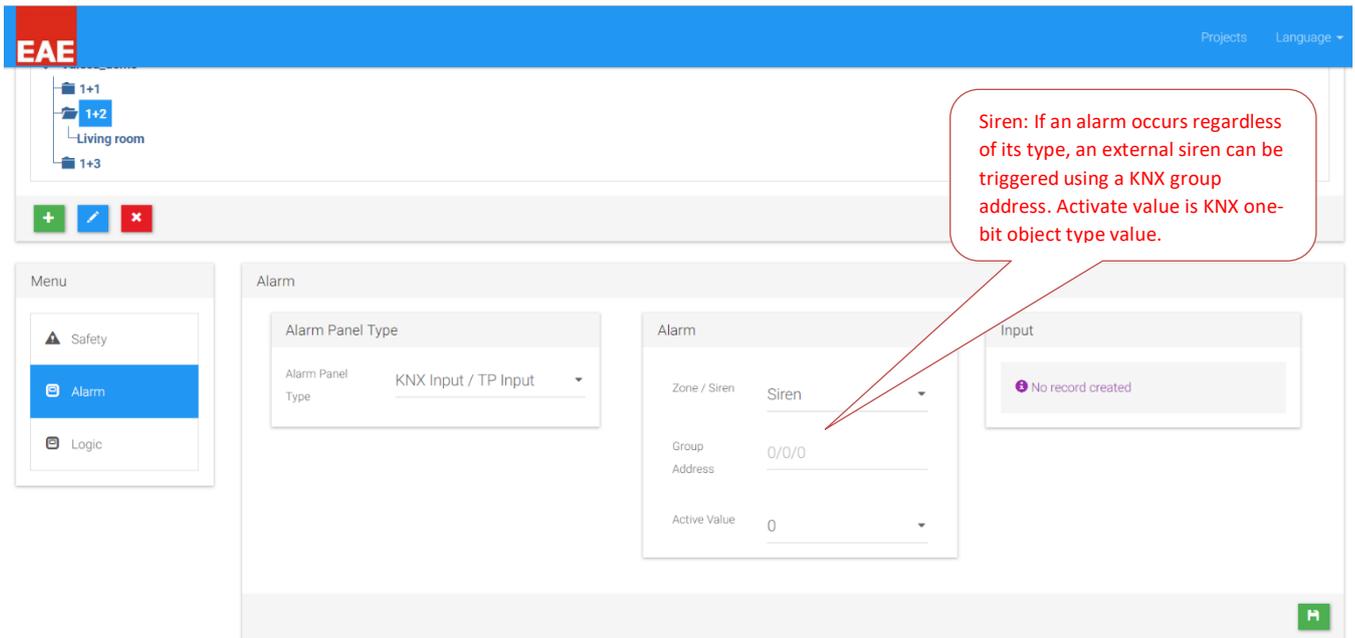
### 3.3.1 Safety

### 3.3.2 Alarm

Alarms can be configured in two ways: KNX-based alarms and Contact alarms.

KNX alarm occurs through KNX port and touch panel may control other interfaces according to the alarm.

Contact alarm occurs through relays on the panel and again touch panel can control other interfaces.



Zone: Area of the alarm such as living room, corridor etc.

Pick alarm type:

- 1- Stay mode: Alarm mode used when resident is home. Window contacts, door contacts or any device to be activated when resident is home.
- 2- Away mode: Alarm mode used when resident is away. Any device that is activated in Stay Mode, plus other devices such as PIR detectors.
- 3- Safety mode: Sensors such as smoke detectors, flood detectors or any other safety device is added with this option.

KNX Input – KNX based alarm input option

TP Input – contact alarm input type option (input relays on the touch panel)

### 3.3.3 Logic

The screenshot shows the Logic configuration screen. The 'Conditions' section contains three lines of logic. Line 1 is a checkbox for 'On Safety Alarm' followed by 'And' and another checkbox for 'On Security Alarm'. Line 2 contains 'KNX Input' with parameters '1/1/0', '1', and 'Or', followed by 'TPInput' with parameters '1', '7'. Line 3 contains 'TPInput' with parameters '0', '3'. The 'Actions' section is currently empty. Callouts explain: 'Each line is logical "and" to each other' (pointing to the lines), 'Logic operation for Security/Safety alarms (and/or)' (pointing to the 'And' operator), 'Various conditionals can be defined here including KNX-TP Inputs and outputs.' (pointing to the input types), 'Each condition on the same line is logical "or" to each other' (pointing to the 'Or' operator), and 'Software or hardware outputs to be added' (pointing to the empty actions section).

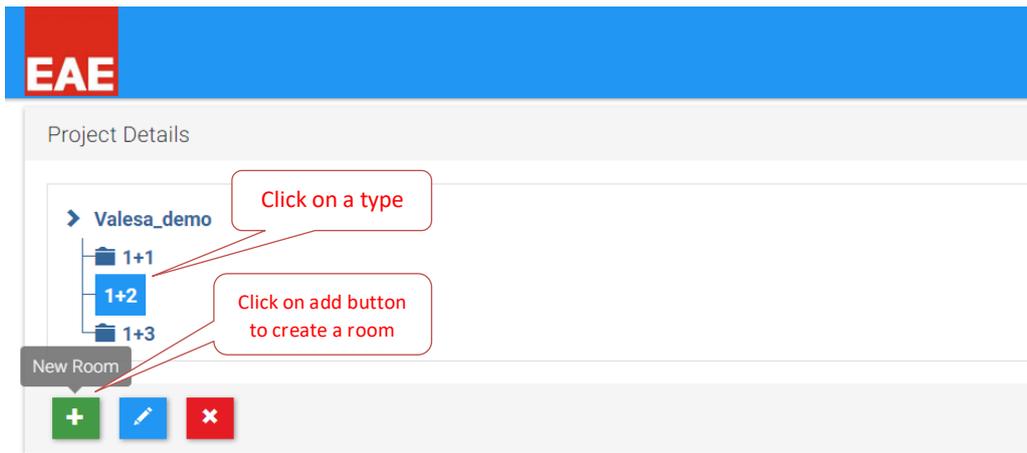
Click on the project -> Block -> Block Details -> Apartment and enter the parameters for the apartment.

Enter the parameters for each apartment by selecting the apartments under "Block Details" menu.

The screenshot shows the 'Block Details' configuration screen. The 'Valesa\_demo' project is selected in the top left. The 'Block' menu is set to 'Apartment'. The 'Edit' section shows parameters for '1) Apartment ada': 'Apartment No' is 1, 'Profiles' is '1+3 flat', 'Ip Address' is '192.168.0.88', and 'SIP No' is '101'. Callouts explain: 'Click on the project' (pointing to 'Valesa\_demo'), 'Pick apartment type' (pointing to 'Apartment'), 'Enter touch panel IP for the apartment' (pointing to '192.168.0.88'), and 'Enter touch panel SIP ID for the apartment' (pointing to '101'). The 'Block Details' list on the right shows '1) Apartment ada' selected.

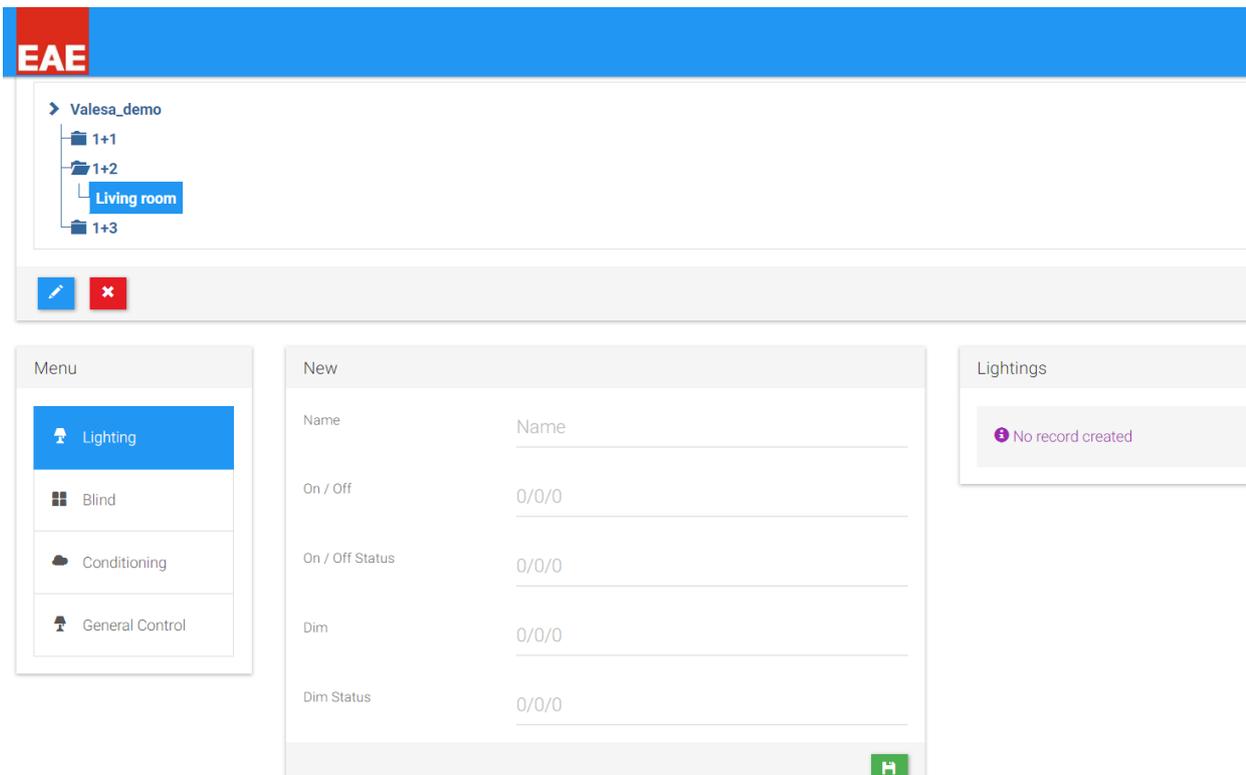
### 3.4 Rooms

Next step is to create rooms for each apartment type. To do so, click on the desired apartment type and add a room.



Once a room is created, you will be presented with KNX group parameters for Lighting, Blinds, Air Conditioning and General controls.

### 3.4.1 Lighting



Following visuals are examples for the configuration of the touch panel. KNX group parameters depend on the one who configures the ETS.

KNX Side configuration:

- 0/1/0 -> Move blind
- 0/1/2 -> Status height
- 0/0/1 -> Lights On/Off
- 0/0/5 -> Lights Status

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
95	Blind A	Move blind/shutters...			1 bit	C	-	W	-	-	up/down	Low
96	Blind A	Slat adjustment/stop...			1 bit	C	-	W	-	-	step	Low
98	Blind A	Move to position hei...	livingRoom_blind... 0/1/0		1 byte	C	-	W	T	-	percentag...	Low
99	Blind A	Move slats			1 byte	C	-	W	T	-	percentag...	Low
104	Blind A	Trigger reference mo...			1 bit	C	-	W	-	-	up/down	Low
107	Blind A	Status height	livingRoom_blind... 0/1/2		1 byte	C	R	-	T	-	percentag...	Low
108	Blind A	Status slat			1 byte	C	R	-	T	-	percentag...	Low
109	Blind A	Status upper end pos...			1 bit	C	R	-	T	-	state	Low
110	Blind A	Status lower end pos...			1 bit	C	R	-	T	-	state	Low
111	Blind B	Move blind/shutters...			1 bit	C	-	W	-	-	up/down	Low
112	Blind B	Slat adjustment/stop...			1 bit	C	-	W	-	-	step	Low
114	Blind B	Move to position hei...			1 byte	C	-	W	T	-	percentag...	Low
115	Blind B	Move slats			1 byte	C	-	W	T	-	percentag...	Low
120	Blind B	Trigger reference mo...			1 bit	C	-	W	-	-	up/down	Low
123	Blind B	Status height			1 byte	C	R	-	T	-	percentag...	Low
124	Blind B	Status slat			1 byte	C	R	-	T	-	state	Low
125	Blind B	Status upper end pos...			1 bit	C	R	-	T	-	state	Low
126	Blind B	Status lower end pos...			1 bit	C	R	-	T	-	state	Low
127	Blind C	Move blind/shutters...			1 bit	C	-	W	-	-	up/down	Low
128	Blind C	Slat adjustment/stop...			1 bit	C	-	W	-	-	step	Low
130	Blind C	Move to position hei...			1 byte	C	-	W	T	-	percentag...	Low

Address	Name	Description	Centre	Pass	T	Data Type	Length	No. of Last Value
0/0/1	livingRoom_on_off		No	No		up/down	1 bit	1
0/0/5	livingRoom_onOff_Status		No	No		switch	1 bit	1

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
2	Output A	Switch	livingRoom_on_off 0/0/1		1 bit	C	-	W	-	-	switch	Low
3	Output A	Status Switch	livingRoom_onOff... 0/0/5		1 bit	C	R	-	T	-	switch	Low
17	Output B	Switch			1 bit	C	-	W	-	-	switch	Low
18	Output B	Status Switch			1 bit	C	R	-	T	-	switch	Low
32	Output C	Switch			1 bit	C	-	W	-	-	switch	Low
33	Output C	Status Switch			1 bit	C	R	-	T	-	switch	Low
47	Output D	Switch			1 bit	C	-	W	-	-	switch	Low
48	Output D	Status Switch			1 bit	C	R	-	T	-	switch	Low
62	Output E	Switch			1 bit	C	-	W	-	-	switch	Low
63	Output E	Status Switch			1 bit	C	R	-	T	-	switch	Low
77	Output F	Switch			1 bit	C	-	W	-	-	switch	Low
78	Output F	Status Switch			1 bit	C	R	-	T	-	switch	Low
92	Output G	Switch			1 bit	C	-	W	-	-	switch	Low
93	Output G	Status Switch			1 bit	C	R	-	T	-	switch	Low
107	Output H	Switch			1 bit	C	-	W	-	-	switch	Low
108	Output H	Status Switch			1 bit	C	R	-	T	-	switch	Low

Address	Name	Description	Centre	Pass	T	Data Type	Length	No. of Last Value
0/1/0	livingRoom_blind_move		No	No		percenta...	1 byte	1
0/1/2	livingRoom_blind_Status		No	No		percenta...	1 byte	1

Once the KNX groups for desired controls are created, group addresses must be written as parameters to touch panel configuration sections.

The screenshot shows the EAE configuration interface for 'LR Lights'. At the top, there is a navigation menu with 'Lighting' selected. The main area is divided into three sections: 'Menu', 'Edit', and 'Lightings'. The 'Edit' section contains the following fields:

Name	LR Lights
On / Off	0/0/1
On / Off Status	0/0/5
Dim	0/0/0
Dim Status	0/0/0

At the bottom of the 'Edit' section, there are buttons for 'CLEAR', a red 'X' icon, and a green 'H' icon. The 'Lightings' section on the right shows a list with 'LR Lights' highlighted in green.

### 3.4.2 Blind

To control the blinds KNX side should be programmed with relevant Group objects. EAE RCU is preferred for the control of Blinds.

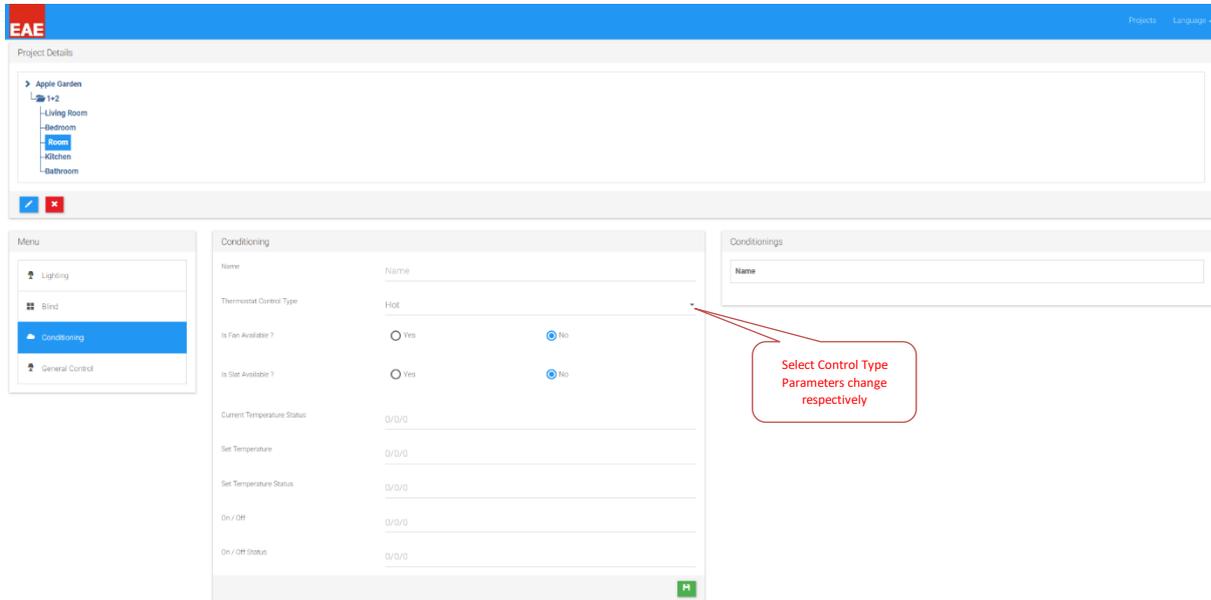
The screenshot shows the EAE configuration interface for 'LV Blind'. The 'Menu' on the left has 'Blind' selected. The 'New' section contains the following fields:

Name	LV Blind
Move To Position	0/1/0
Move To Position Status	0/1/2
Move Slat	0/0/0
Move Slat Status	0/0/0

A red callout box points to the 'Move To Position Status' field with the text: "Straightforward process as Group addresses are already defined on ETS". At the bottom right of the 'New' section, there is a green 'H' icon.

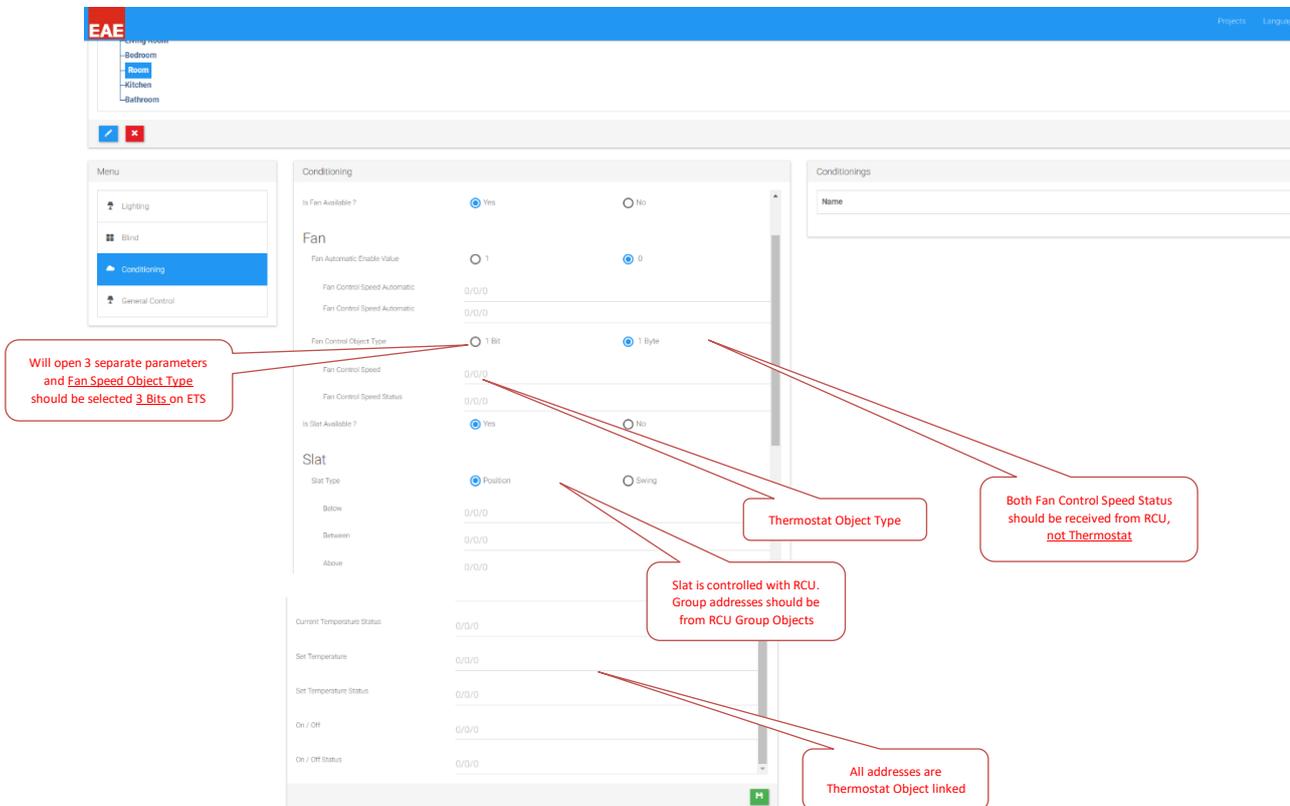
### 3.4.3 Conditioning

Most of the work is done on the KNX side for this section. KNX configuration should give an insight into configuring this part. For more information refer to document EAE KNX Thermostat Product Manual.

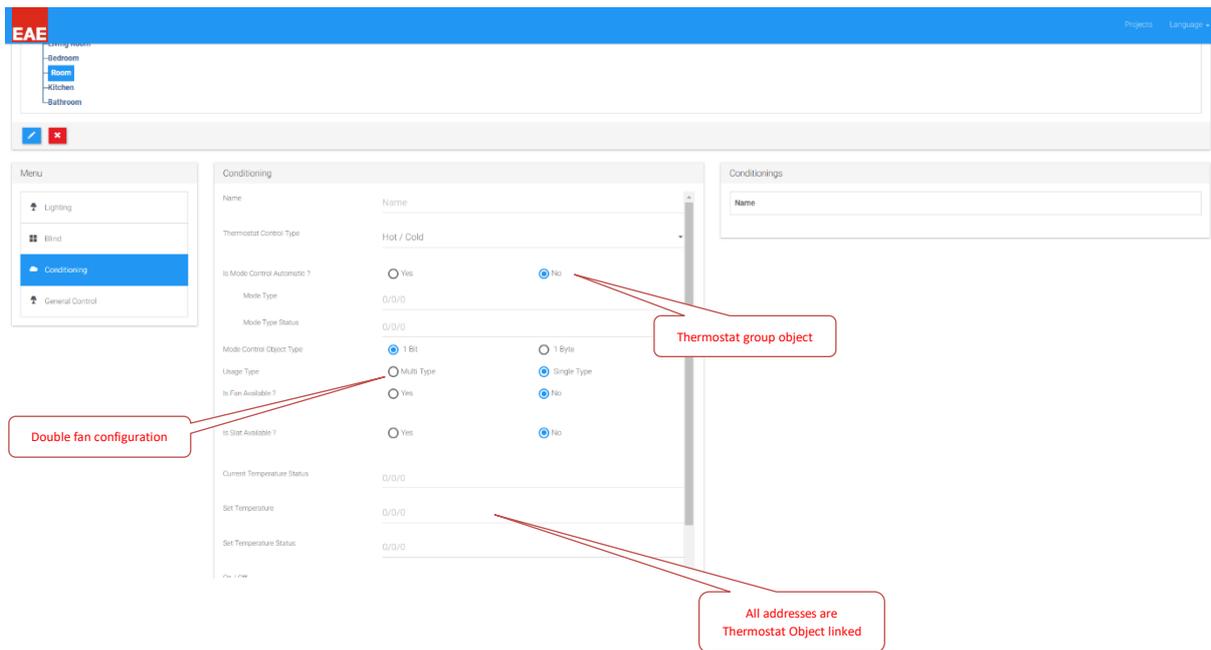


#### 3.4.3.1 Hot or Cold

KNX Groups should be created prior to commence configuring this step.



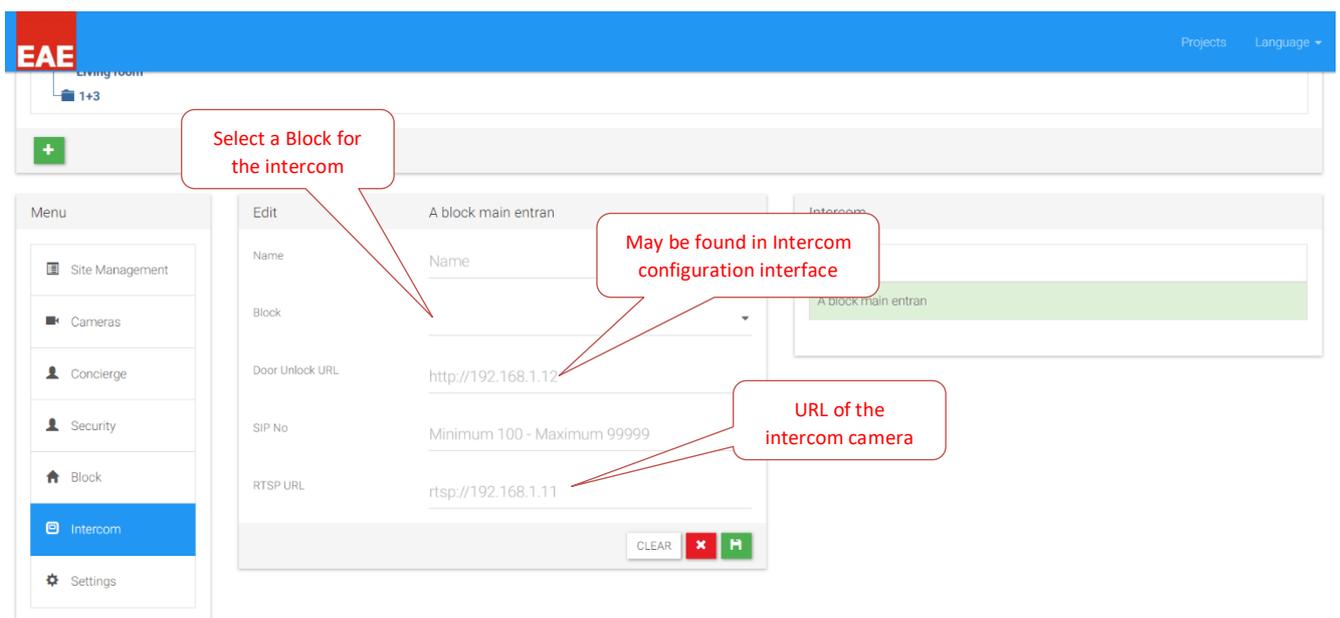
### 3.4.3.2 Hot / Cold



### 3.4.4 General Control

**General Control** section enables to send custom KNX On/Off commands to KNX bus. On/Off duration time can be assigned to these operations if necessary.

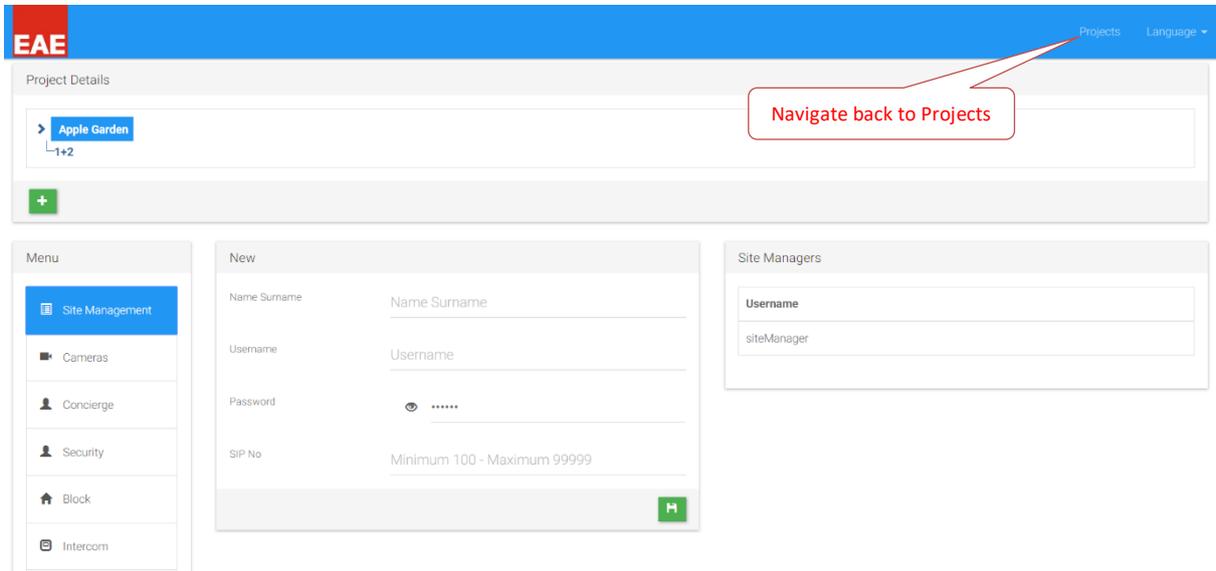
### 3.5 Intercom



## 5. Importing project into Touch Panel

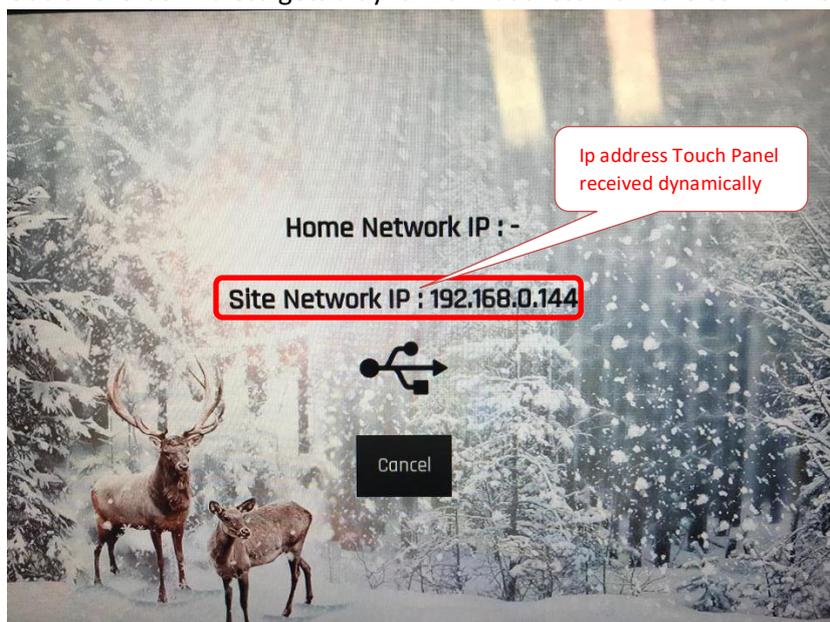
There are 2 ways to import a project into Valesa: Communication Server User Interface or a USB.

After you are done with Smart Home Configurator navigate back to projects. Export the project to obtain a .eaeprofile file.



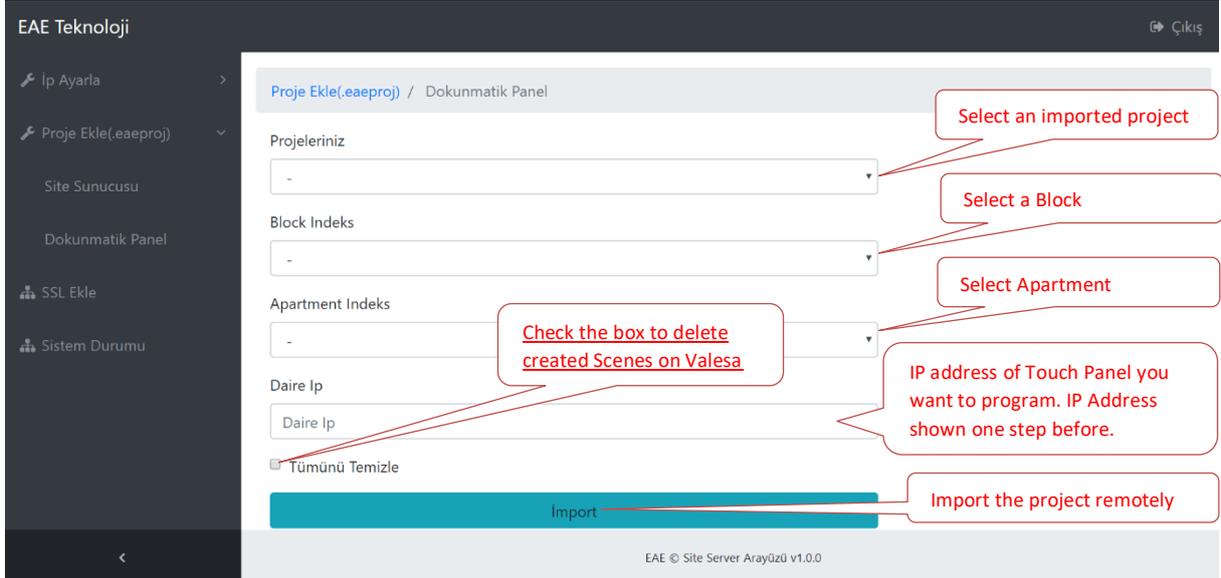
### 5.1 Remote project import to Valesa

Out-of-the-box Valesa gets a dynamic IP address from the communication server.



To import project to Valesa remotely, login to Communication Server User Interface. Refer section 2.1.1 for more information. Once you are logged in, make sure a copy of project is uploaded and imported into Communication Server. System may not work as intended if you do not import a copy of the project file to Communication Server.

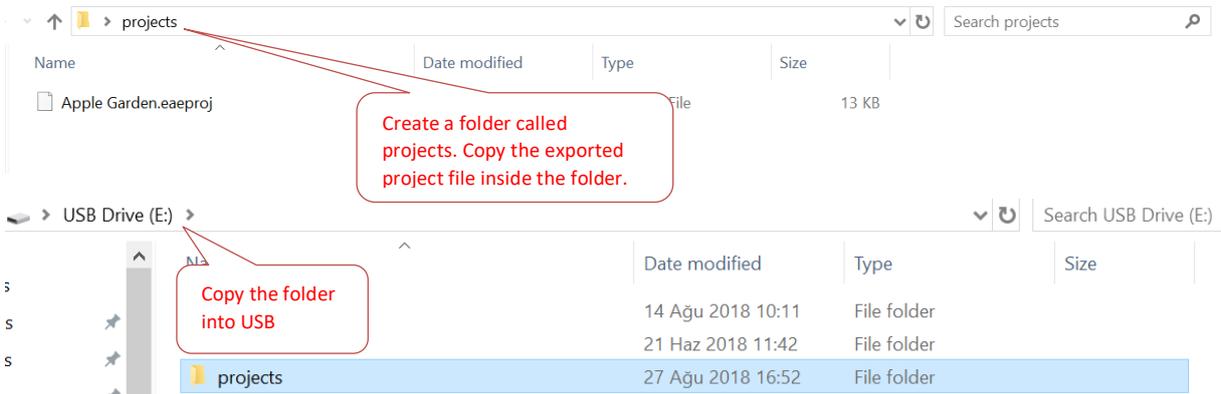
Navigate to Touch Panel section and follow the instructions below.



## 5.2 Local project import to Valesa

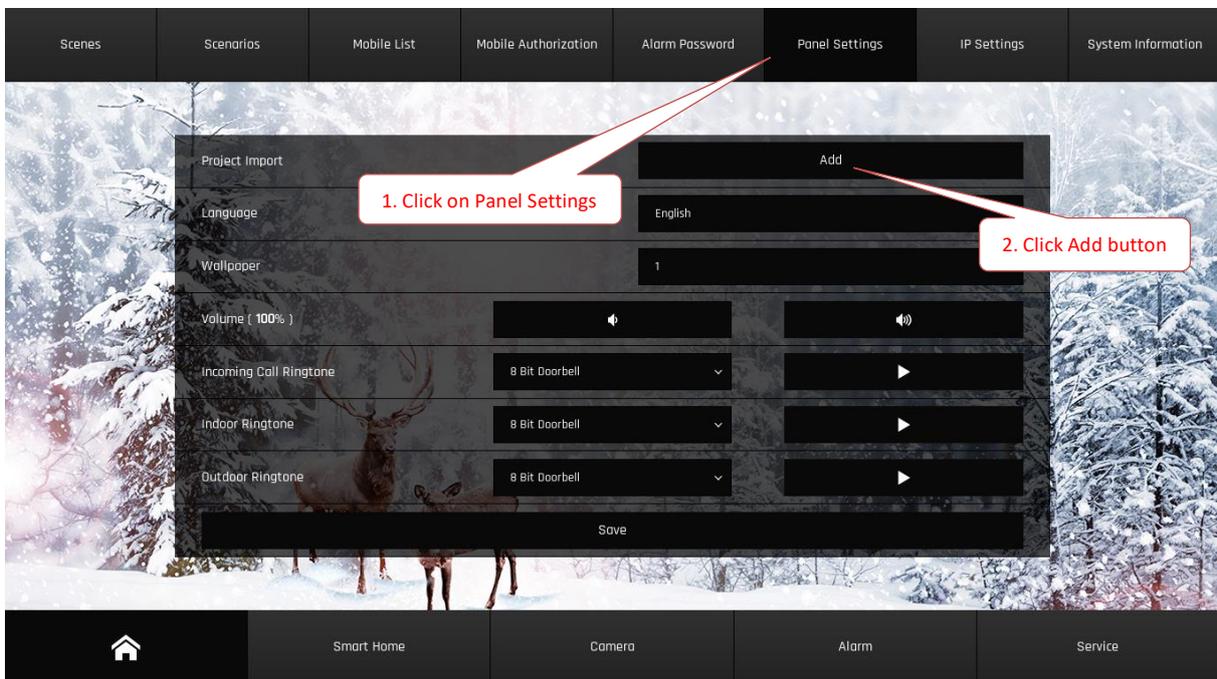
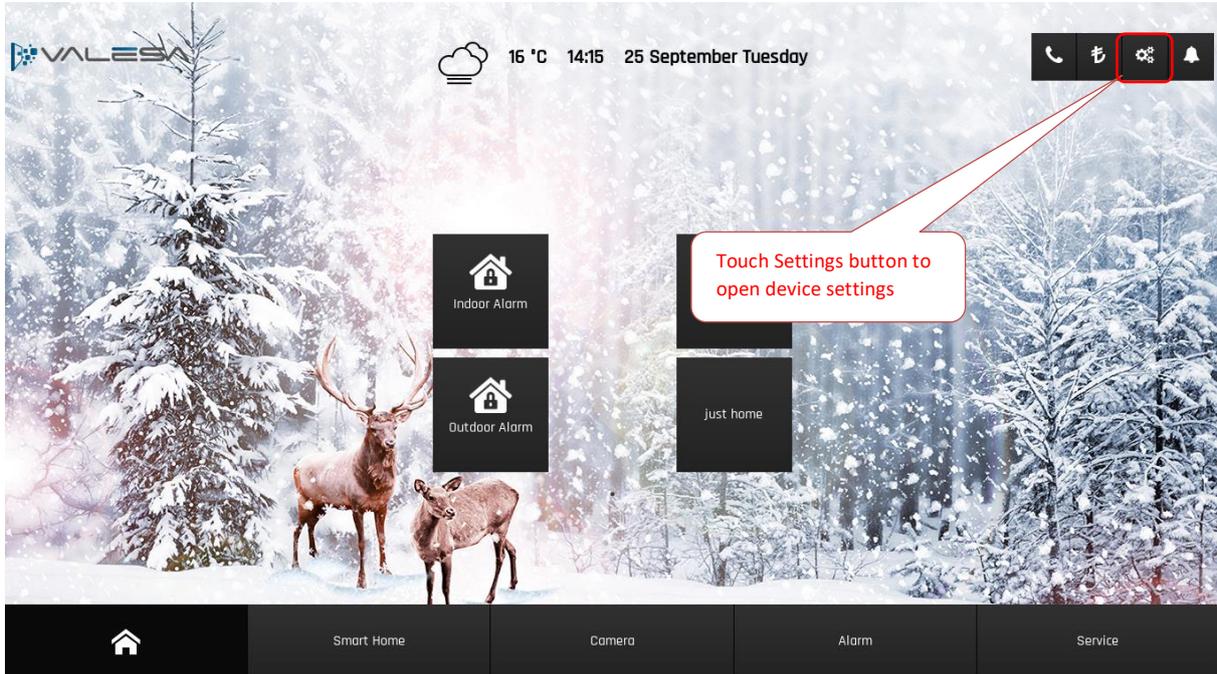
To import the project to Valesa locally, a USB is required.

**Important:** In order to import the project, exported “.eaeproj” file has to be inside a folder with specific name “projects”.

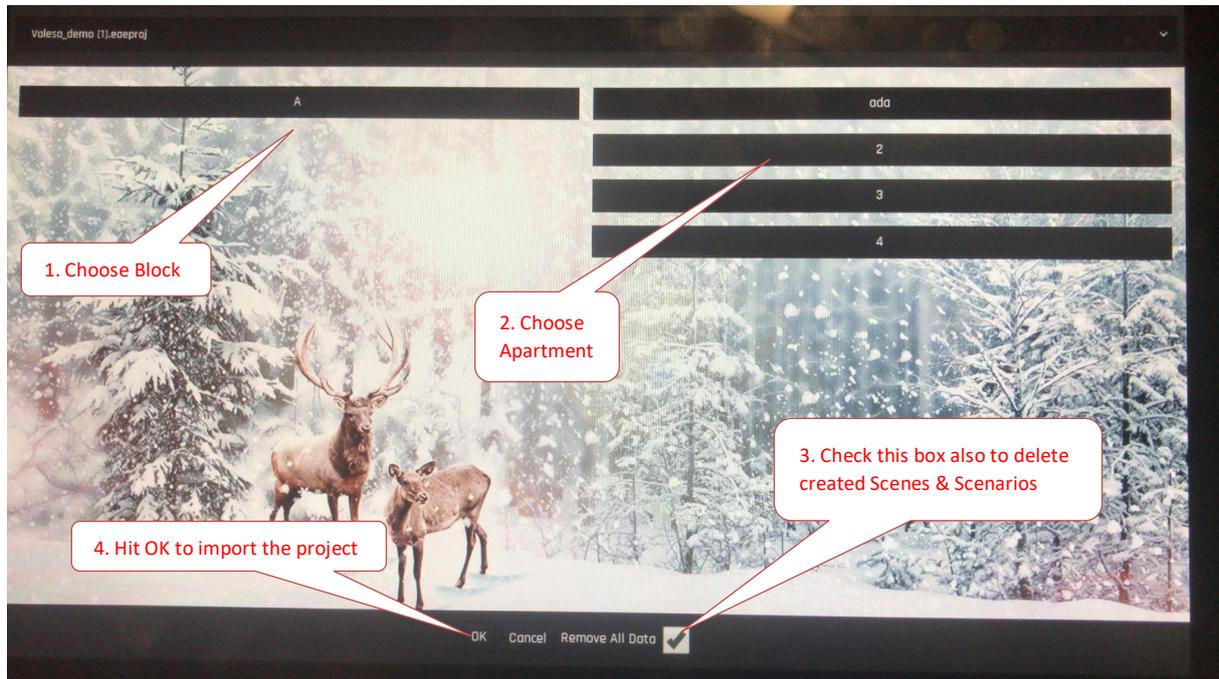


Next, copy the project folder (projects) to the USB. Connect USB to Valesa. If Valesa has never been programmed before, it will attempt to import the project automatically.

Else you should go through the following steps below to import a new project into Valesa:



You will be asked to select the Block/Apartment to be imported:



Once import process is successful, device will restart itself.

**Note:** Valesa panel background can be customized while configuring the project. Using a USB, create a new folder called “wallpapers” to the root directory of the USB. Copy your 1920x1080 .jpeg pictures into the wallpapers folder. Once you restart the panel while the USB is plugged in, you should be able to see your custom wallpapers going Settings -> Panel Settings -> Wallpaper.

## 6. Example project

This section covers the steps for a successful project configuration. Please refer to this section after you fully understand the sections 1 – 5. Unless the general aspects of the system are understood well, skipping directly to this section may confuse the reader.

### 6.1 Overview of the project

The project is a small site called Apple Garden with a single block. Name of the block is A Block. The 3-story block has six 1+2 apartments and following features:

- 1 Security room with an SIP Telephone
- 1 Communication server (includes SIP Server and other necessary servers)
- 1 Site manager
- 1 Internet server
- 1 intercom device

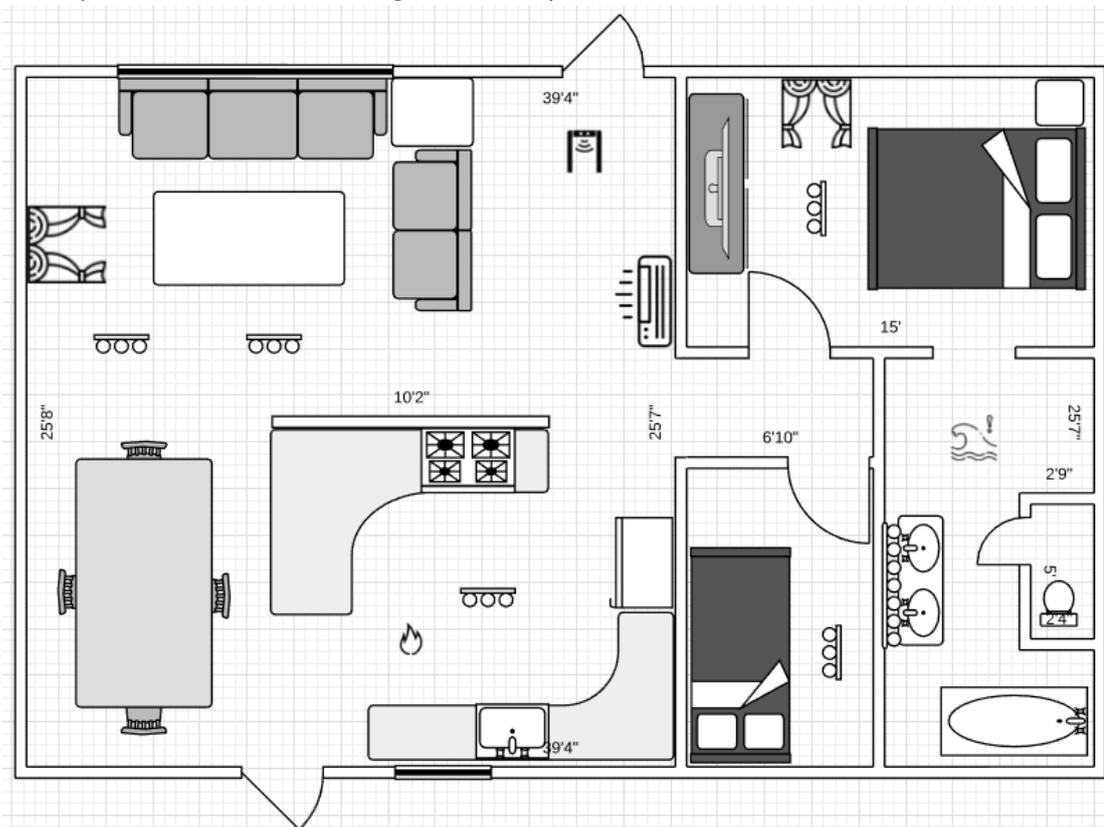
- 1 camera
- 1 Valesa Touch Panel for each apartment



Each apartment has safety equipment for gas, electric and city water systems.

Each apartment has burglar alarm.

Each apartment has the following floor room plan & features:

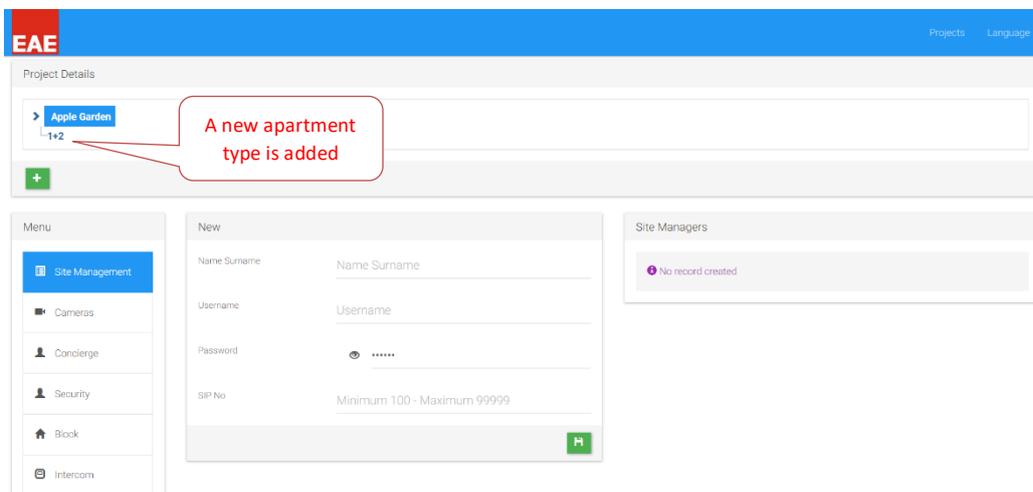


- Living room features:
  - 2 light groups

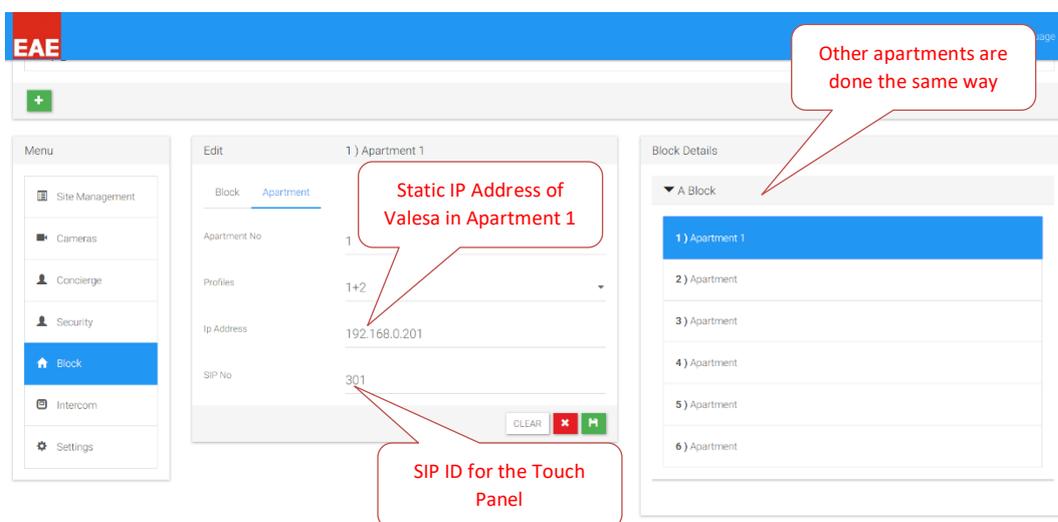
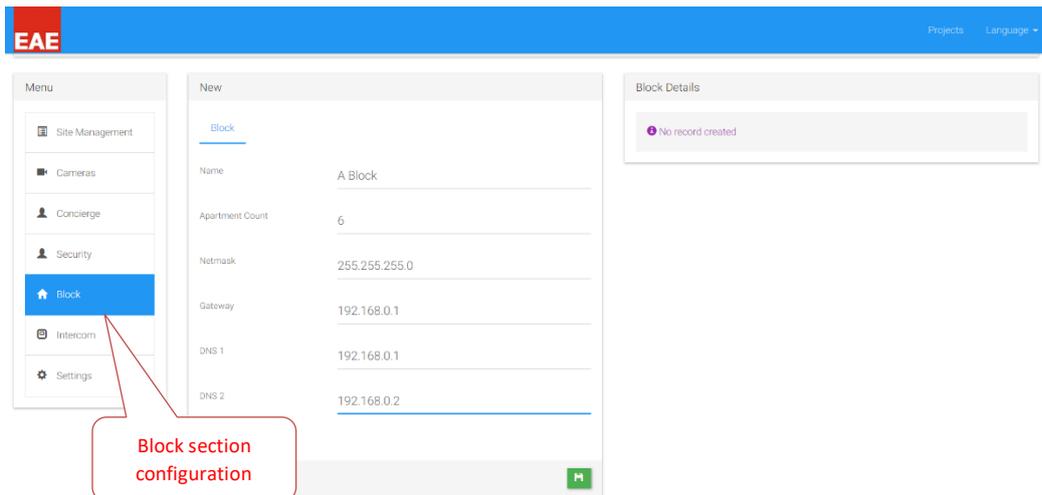
- 1 air conditioner
- 1 PIR for burglar alarm
- 1 magnetic door contact
- 1 siren for burglar alarm
- 1 window blind
- Bedroom features:
  - 1 window blind
  - 1 light group
  - 1 magnetic window contact
- Room features:
  - 1 light group
- Kitchen features:
  - 1 light group
  - 1 smoke detector
- Bathroom features:
  - 1 flood sensor
  - 1 light group

## 6.2 Creating the Project

Smart home configurator is installed and launched. A new project called “Apple Garden” is created. There is only a single apartment type in the project, hence one 1+2 type is created.



It's time to create the block and its apartments.



### 6.3 Configuring 3<sup>rd</sup> party devices

Each 3<sup>rd</sup> party device requires configuration for SIP. It is usually done by logging into configuration interface of each device and changing some parameters. After the completion of this step following SIP IDs are assigned to devices.

Security telephone -> 321

Intercom device -> 100

Site Manager -> 204

Concierge -> 201

Touch Panels -> 301-306

Camera is located facing the entrance door and it will be referred as Door Cam from this point to the rest of this document.

For this project an NVR is not be used since there is not many cameras. Hence following static IP address is given to the camera.

Door Cam -> 102.168.0.227

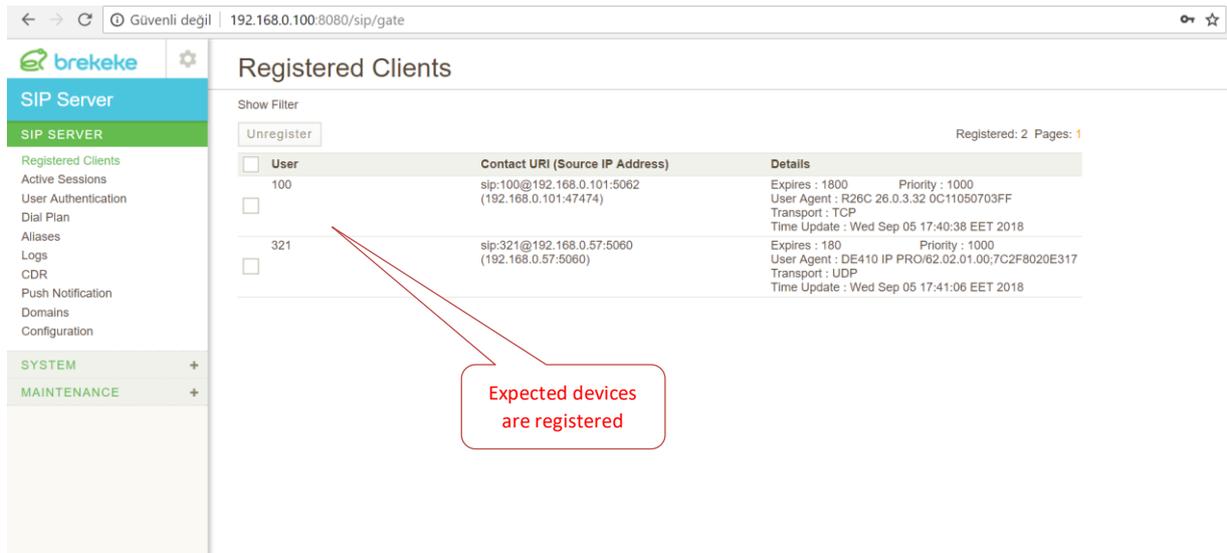
For more information refer to section 4 of this manual.

Configuration of 3<sup>rd</sup> party devices has been done after this step.

## 6.4 Configuring SIP Server

At this step, SIP users are defined in the SIP server. To do so, by logging in the SIP server URL:  
<http://192.168.0.100:8080/sip>

User authentication configurations are done. Next, as observed the security telephone and the intercom are registered on the SIP server. For more information refer section 2.

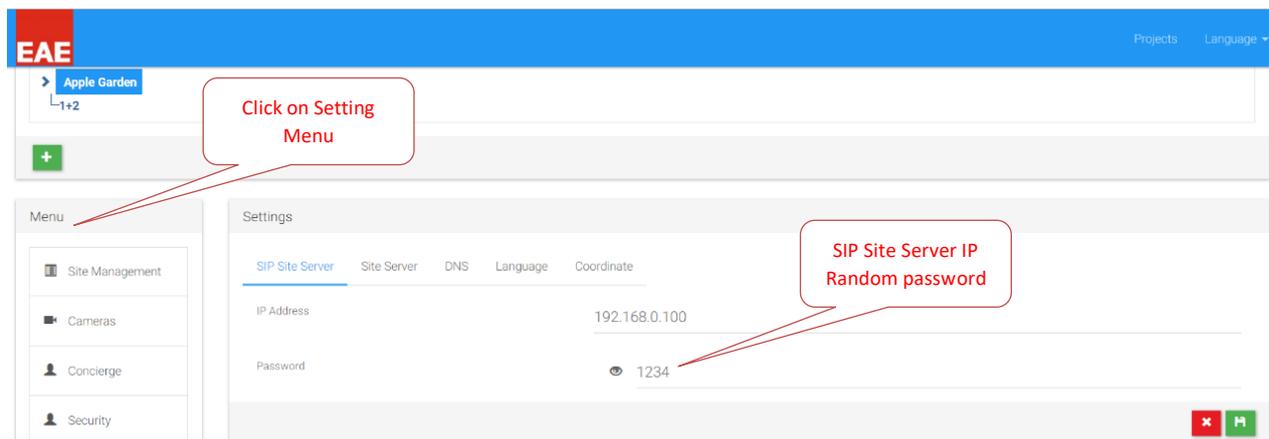


The screenshot shows the Brekeke SIP Server web interface. The browser address bar displays "192.168.0.100:8080/sip/gate". The left sidebar contains a navigation menu with "SIP SERVER" selected, and sub-items like "Registered Clients", "Active Sessions", "User Authentication", "Dial Plan", "Aliases", "Logs", "CDR", "Push Notification", "Domains", and "Configuration". The main content area is titled "Registered Clients" and shows a table with two entries:

User	Contact URI (Source IP Address)	Details
100	sip:100@192.168.0.101:5062 (192.168.0.101:47474)	Expires : 1800 Priority : 1000 User Agent : R26C 26.0.3.32 0C11050703FF Transport : TCP Time Update : Wed Sep 05 17:40:38 EET 2018
321	sip:321@192.168.0.57:5060 (192.168.0.57:5060)	Expires : 180 Priority : 1000 User Agent : DE410 IP PRO/62.02.01.00;7C2F8020E317 Transport : UDP Time Update : Wed Sep 05 17:41:06 EET 2018

A red callout box points to the two rows in the table with the text: "Expected devices are registered".

## 6.5 Configuring Valesa Settings

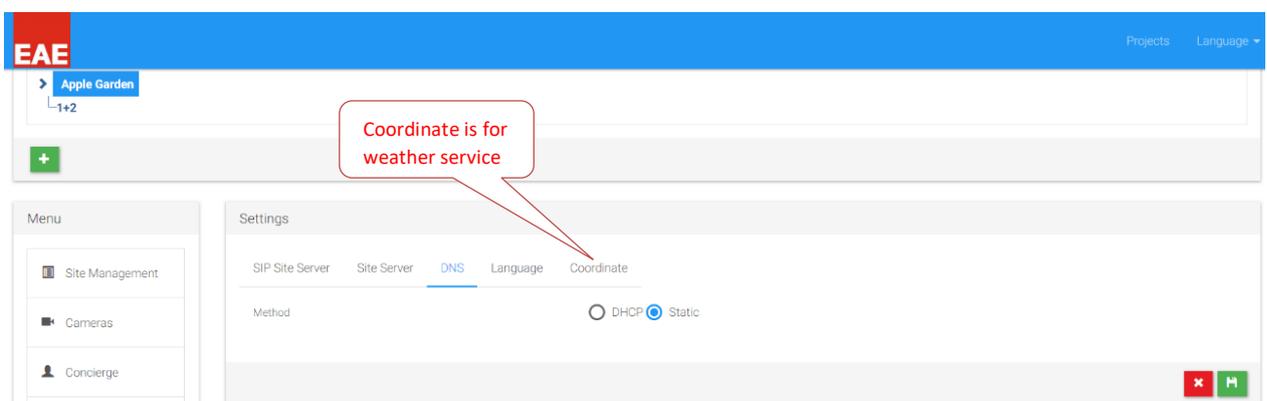
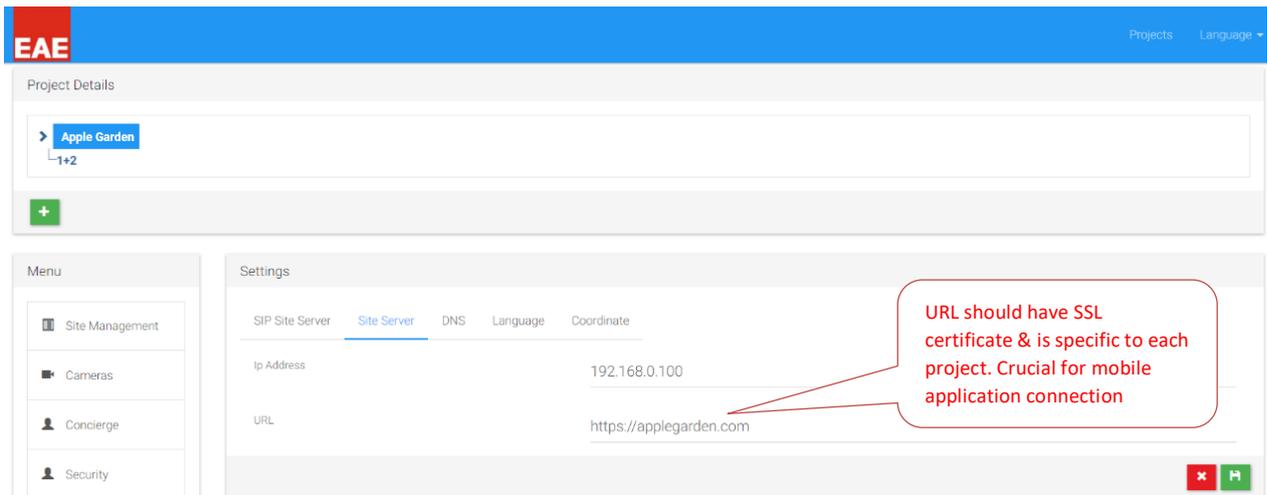


The screenshot shows the Valesa Settings web interface. The top header is blue with the EAE logo and "Projects Language" dropdown. Below the header, there is a "Menu" section with a list of items: "Site Management", "Cameras", "Concierge", and "Security". A red callout box points to the "Menu" section with the text: "Click on Setting Menu".

The main content area is titled "Settings" and has tabs for "SIP Site Server", "Site Server", "DNS", "Language", and "Coordinate". The "SIP Site Server" tab is active, showing the following fields:

- IP Address: 192.168.0.100
- Password: 1234

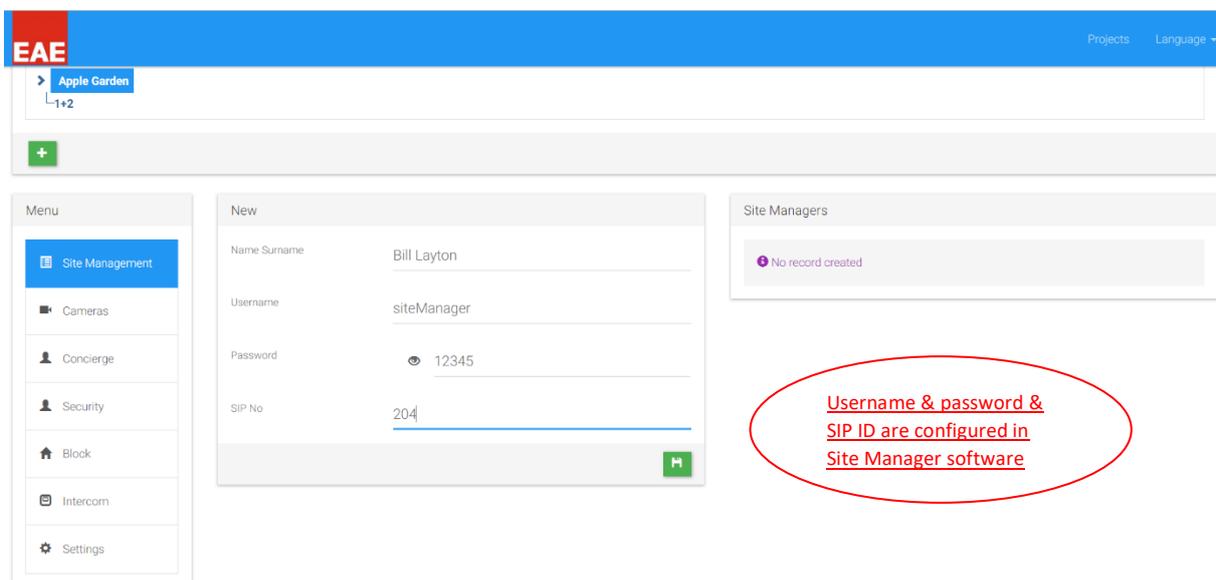
A red callout box points to the "Password" field with the text: "SIP Site Server IP Random password".



## 6.6 Connecting 3<sup>rd</sup> party devices to Valesa

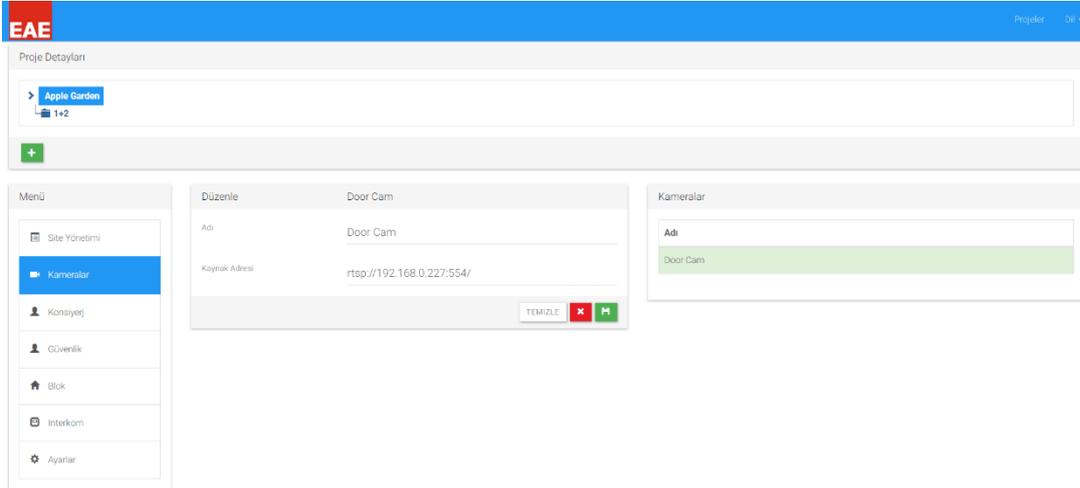
As SIP configurations are done both for the 3<sup>rd</sup> party devices and Valesa, time has come to communicate devices with Valesa through communication server.

### 6.6.1 Site Management

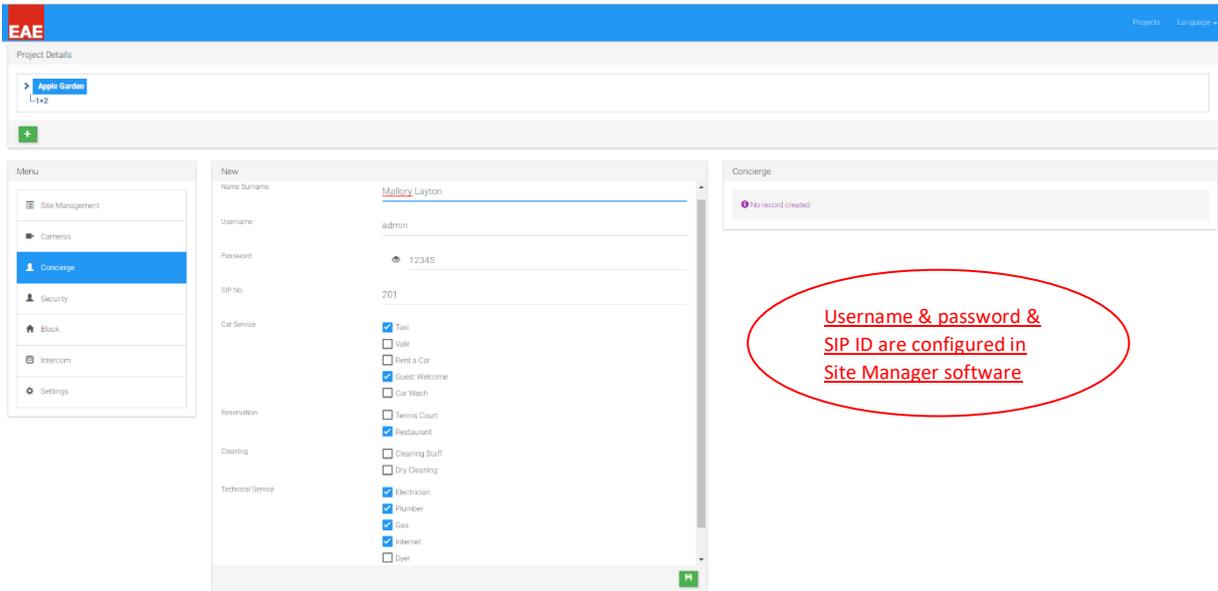


## 6.6.2 Cameras

Camera is given an IP address at section 6.3 and has the following rtsp URL:  
rtsp://192.168.0.227:554/.

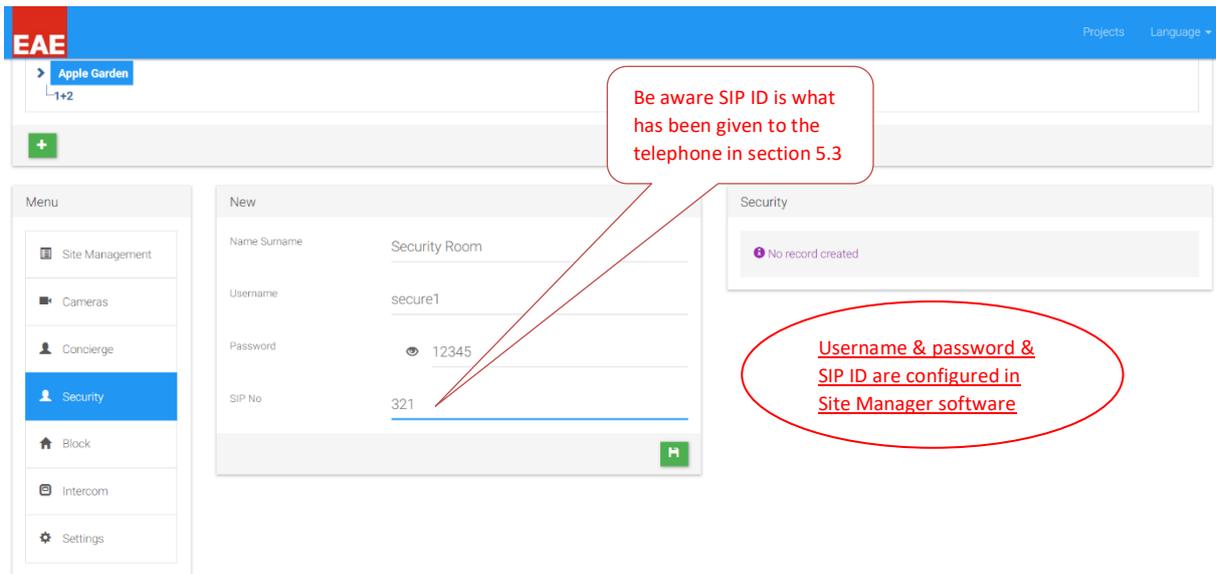


## 6.6.3 Concierge



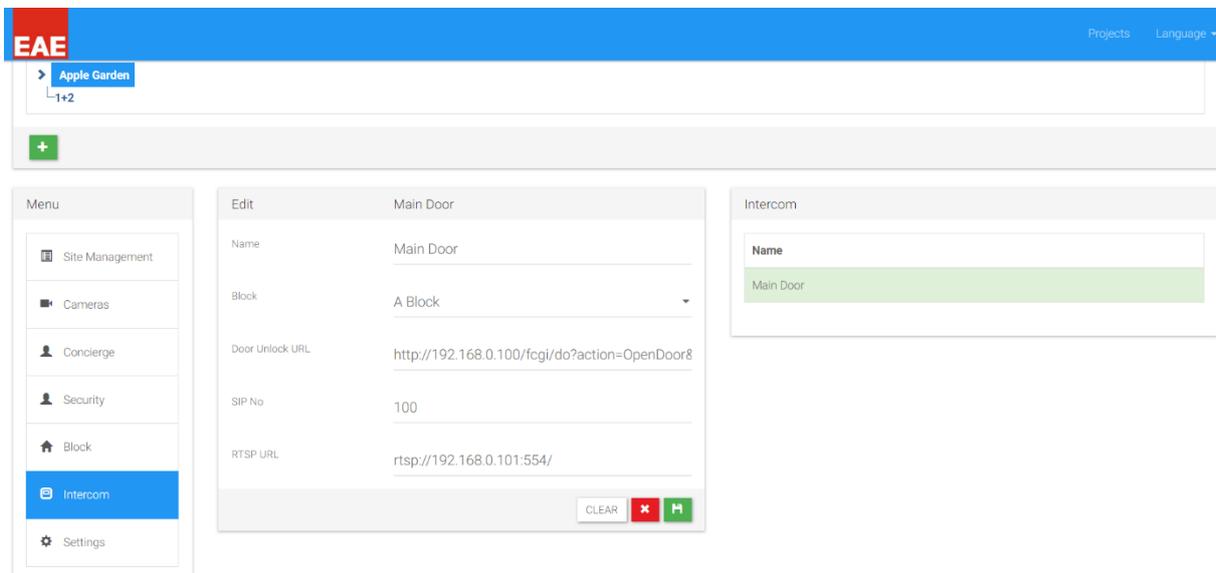
For more information refer section 3.1.

### 6.6.4 Security



For more information refer section 3 & 4.

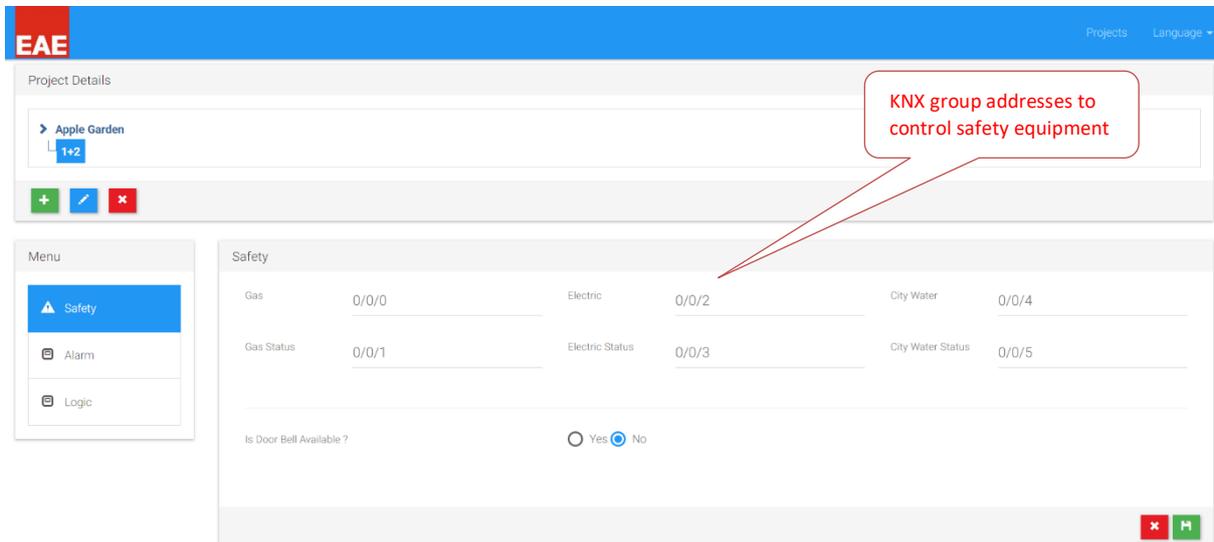
### 6.6.5 Intercom



For more information refer section 3 & 4.

## 6.7 Configuring Apartment Type

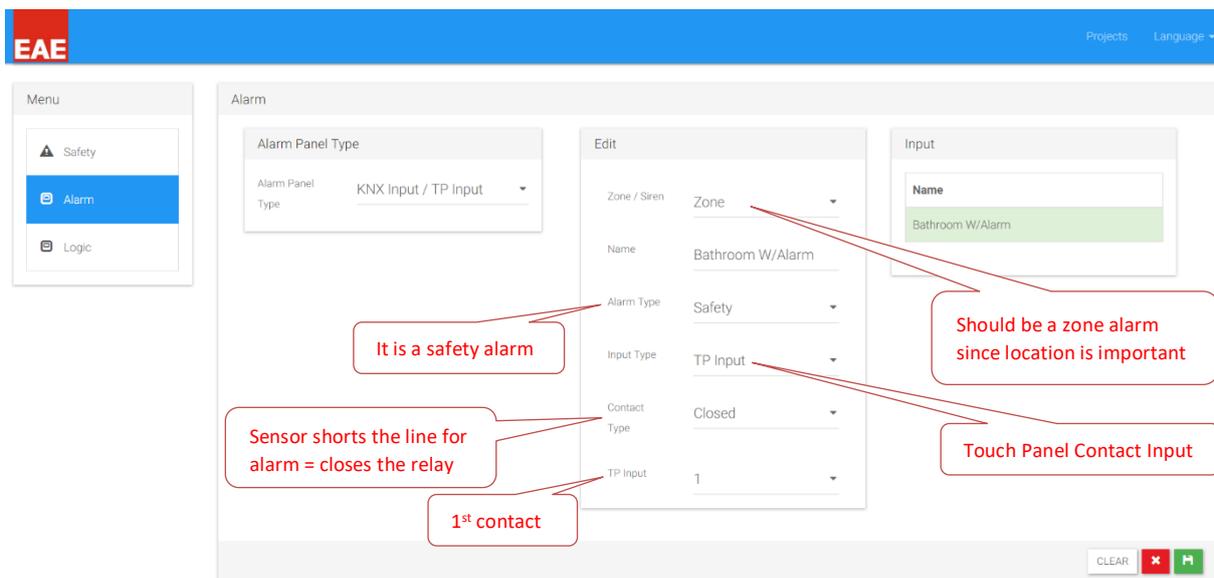
### 6.7.1 Safety

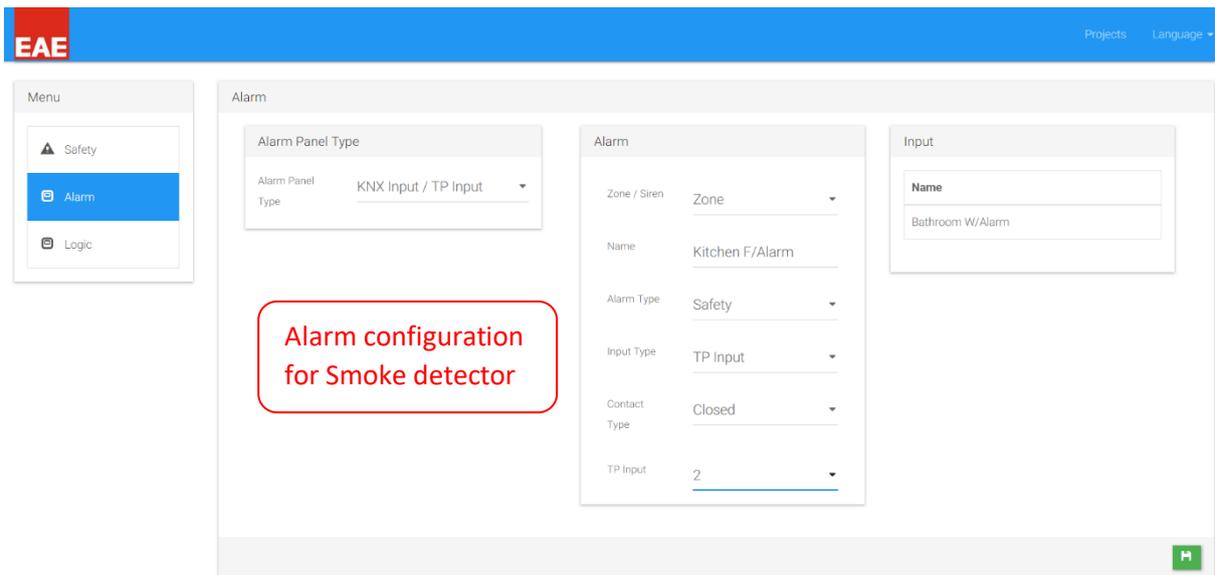


### 6.7.2 Alarms

Although the sequence is not important, safety alarms will be created first in this case.

There are 2 safety sensors in this project: 1 smoke detector in the kitchen and 1 flood sensor in the bathroom. These sensors short their contact line in case of an alarm. Contacts 1 & 2 on Valesa will be used for safety alarms.





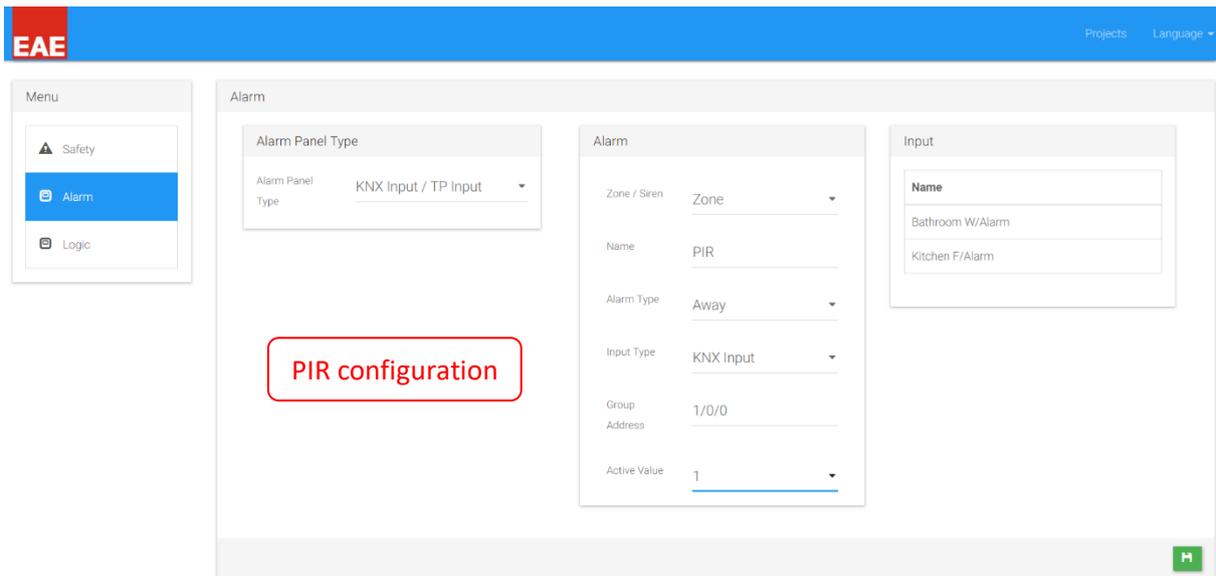
Burglar alarm configuration consists of 1 PIR sensor, 1 magnetic window contact, 1 siren in the living room and 1 magnetic contact in the bedroom window. Magnetic contacts will be TP inputs and PIR KNX input. TP inputs 3 & 4 will be used for magnetic contacts.

Logic behind the configuration is the scenario of the alarm. There are two modes to arm the alarm: Stay & Away.

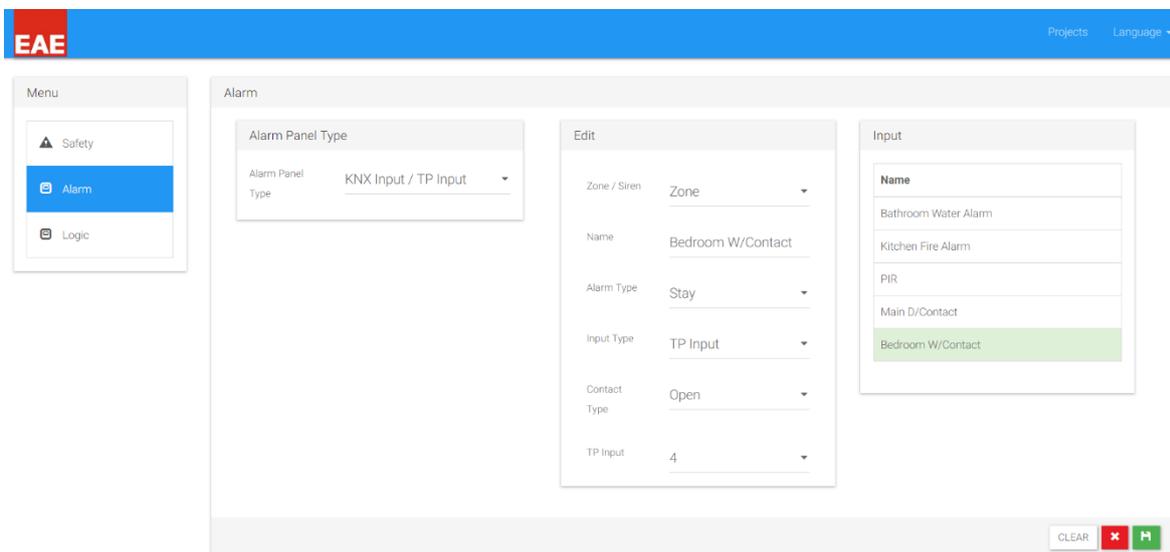
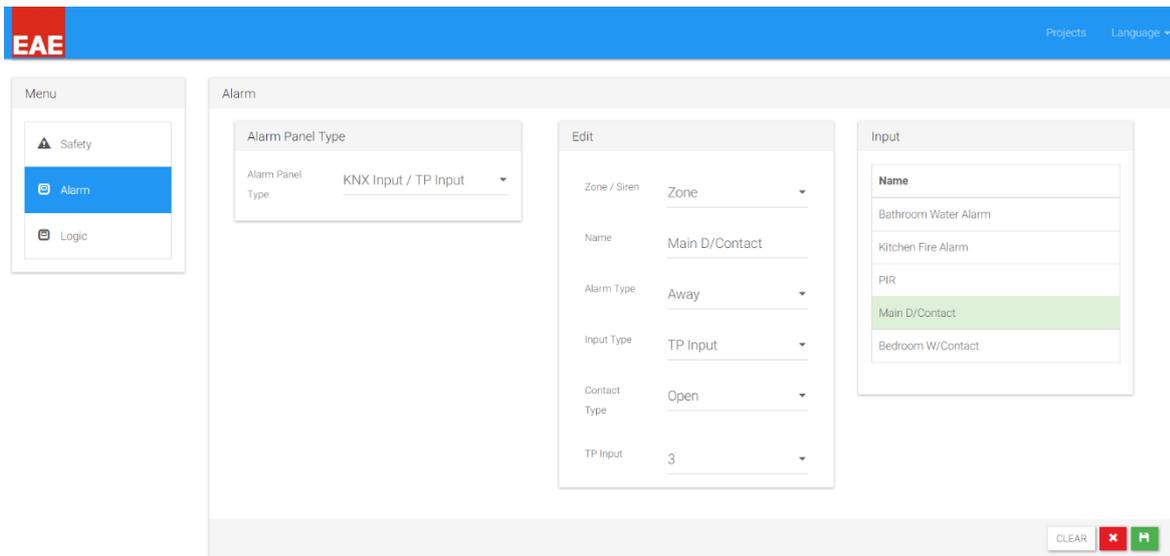
In the stay mode, window and door magnetic contacts may be activated but the PIRs. Residents may move inside the house or sleep in unless they want to open windows whose magnetic contacts been activated in stay mode. For convenience resident can disable zones individually. In example, if resident wants to open the bedroom window and arm the burglar alarm at the same time, he can disable the zone for the bedroom window, other zones will be activated but the bedroom window in stay mode.

In the away mode, all the alarms including stay mode zones will be activated. Hence, the window contacts plus PIRs will be activated. The main difference in Valesa between modes; in away mode there is a 20 second delay before the alarm is armed to let the resident leave the house. Also, when there is an alarm in away mode, Valesa siren does not go off immediately. One-minute warning time is provided for the enter a password and disable the alarm. In contrast, stay mode does not feature any of these. In the case of an intrusion, alarm from a window contact will force the alarm to go off immediately.

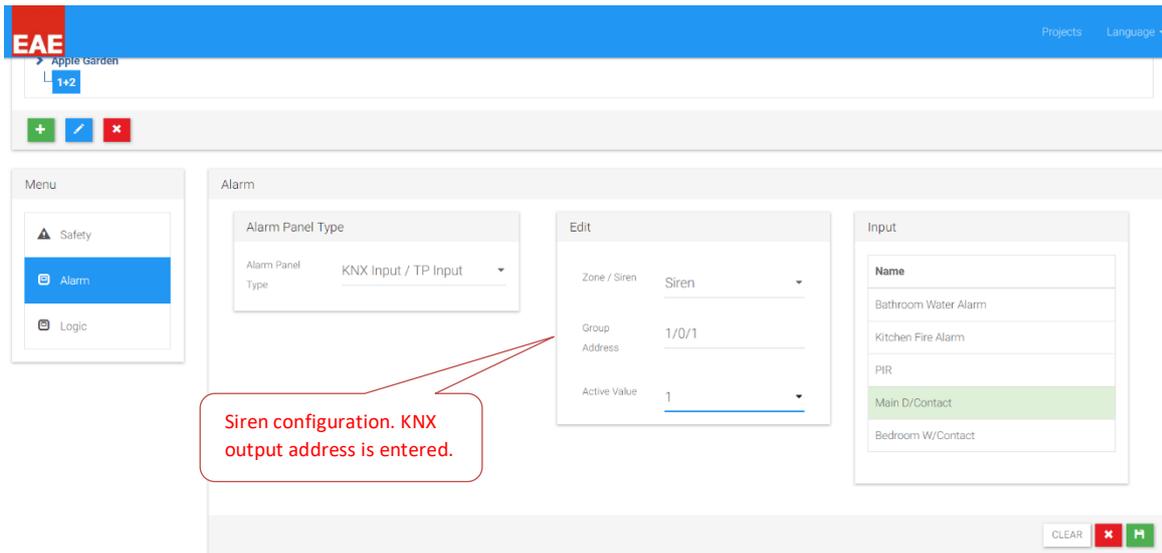
For this project, door contact and PIR will be programmed in away mode. Window contact will be programmed in stay mode.



In the project, magnetic contact is normally closed when the door/window is closed. If door is open, contact output is open. Hence alarm condition occurs when contact is open.

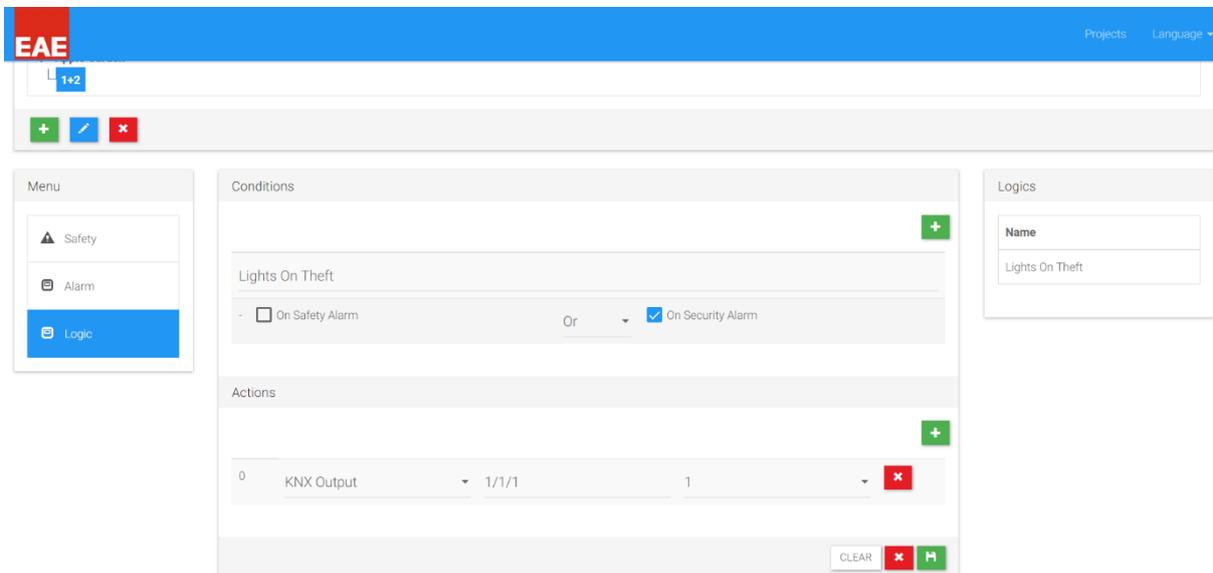


If an alarm occurs from any of the defined zones, siren will go off.



### 6.7.3 Logic

Residents want all the lights to be turned on if there is an intrusion to the house. KNX 1/1/1 group address is created on ETS for this application.



More complex logic could be added here depending on users' desire.

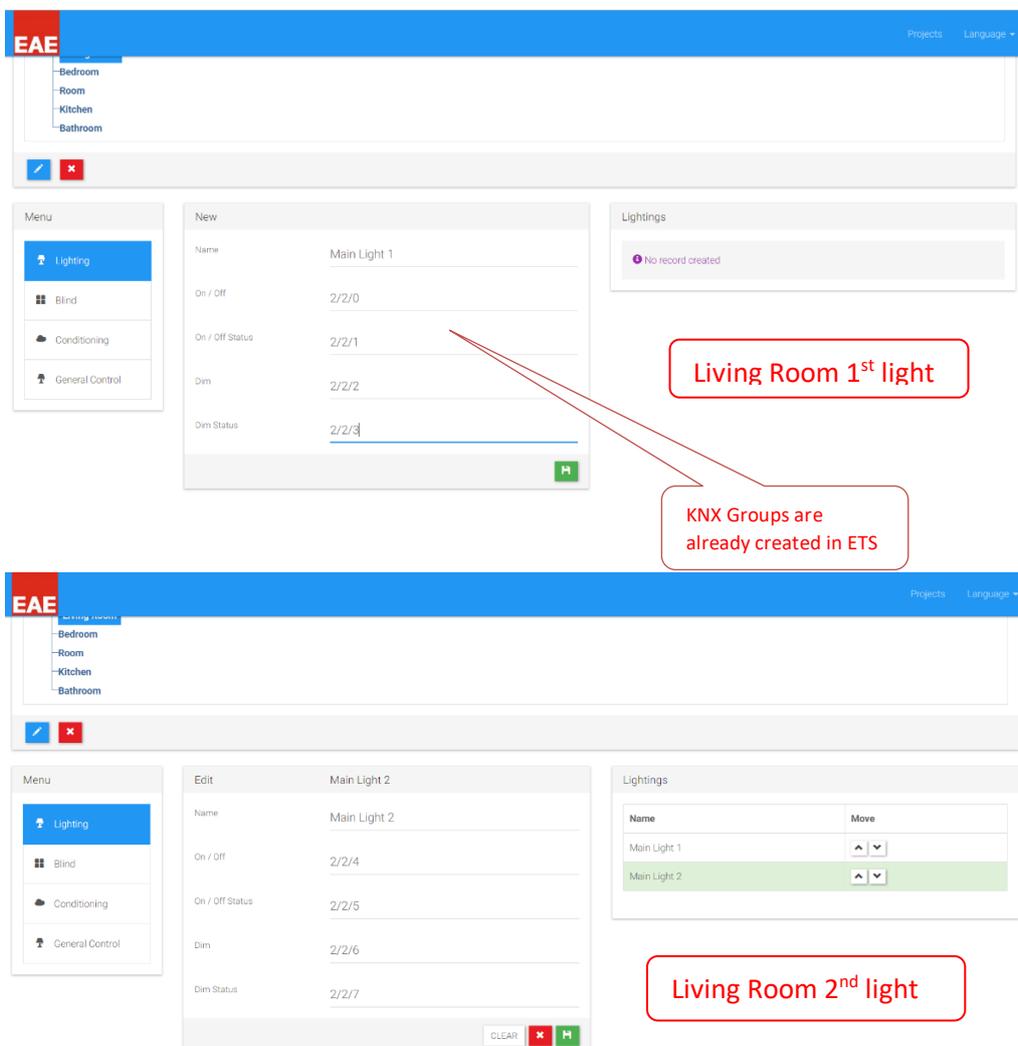
## 6.8 Creating Rooms

Based on the floor plan shown in section 6.1, following rooms must be created:

- 1 Living Room
- 1 Bedroom
- 1 Room
- 1 Kitchen
- 1 Bathroom

For more information how to create rooms refer section 3.3.

### 6.8.1 Lighting



The screenshot displays the EAE software interface for creating lighting fixtures. The interface is divided into several sections: a top navigation bar with the EAE logo and 'Projects' and 'Language' dropdowns; a left sidebar with a tree view showing 'Bedroom', 'Room', 'Kitchen', and 'Bathroom'; a central 'New' form for creating a lighting fixture; and a right 'Lightings' panel.

In the first screenshot, the 'New' form is filled out for 'Main Light 1' with the following details:

Field	Value
Name	Main Light 1
On / Off	2/2/0
On / Off Status	2/2/1
Dim	2/2/2
Dim Status	2/2/3

A red callout box points to the 'On / Off' field with the text: "Living Room 1<sup>st</sup> light". Another red callout box points to the 'Dim Status' field with the text: "KNX Groups are already created in ETS".

The second screenshot shows the 'Edit' form for 'Main Light 2' with the following details:

Field	Value
Name	Main Light 2
On / Off	2/2/4
On / Off Status	2/2/5
Dim	2/2/6
Dim Status	2/2/7

A red callout box points to the 'Name' field with the text: "Living Room 2<sup>nd</sup> light".

The 'Lightings' panel on the right shows a list of created fixtures. In the second screenshot, 'Main Light 2' is highlighted in green, and a 'Move' dropdown menu is visible next to it.

The screenshot shows the EAE configuration interface. At the top, there is a blue header with the EAE logo and 'Projects Language' dropdown. Below the header is a navigation tree with 'Bedroom' selected. The main area is divided into three panels: 'Menu' on the left with 'Lighting' selected; 'New' in the center, showing a form for a new light with fields for Name (Light), On / Off (2/3/0), On / Off Status (2/3/1), Dim (2/3/2), and Dim Status (2/3/3); and 'Lightings' on the right, which is currently empty with the message 'No record created'. A red box labeled 'Bedroom light' is overlaid on the right side of the interface.

The screenshot shows the EAE configuration interface. The navigation tree has 'Room' selected. The 'Edit' panel in the center shows a form for an existing light with fields for Name (Light), On / Off (2/4/0), On / Off Status (2/4/1), Dim (2/4/2), and Dim Status (2/4/3). The 'Lightings' panel on the right shows a list with one entry 'Light'. A red box labeled 'Room light' is overlaid on the right side of the interface.

The screenshot shows the EAE configuration interface. The navigation tree has 'Kitchen' selected. The 'Edit' panel in the center shows a form for an existing light with fields for Name (Light), On / Off (2/5/1), On / Off Status (2/5/2), Dim (2/5/3), and Dim Status (2/5/4). The 'Lightings' panel on the right shows a list with one entry 'Light'. A red box labeled 'Kitchen light' is overlaid on the right side of the interface.

The screenshot shows the EAE configuration interface for a Bathroom light. The top navigation bar includes the EAE logo, 'Projects', and 'Language'. A sidebar on the left lists room categories: Bedroom, Room, Kitchen, and Bathroom. The main content area is divided into three sections: a 'Menu' on the left with 'Lighting' selected, an 'Edit' table in the center, and a 'Lightings' list on the right. The 'Edit' table contains the following data:

Field	Value
Name	Light
On / Off	2/6/0
On / Off Status	2/6/1
Dim	2/6/2
Dim Status	2/6/3

The 'Lightings' list shows a single entry: 'Light'. A red callout box labeled 'Bathroom light' points to the configuration area.

### 6.8.2 Blind

The screenshot shows the EAE configuration interface for a Living Room blind. The top navigation bar includes the EAE logo, 'Projects', and 'Language'. A sidebar on the left lists room categories: Living Room, Bedroom, Room, Kitchen, and Bathroom. The main content area is divided into three sections: a 'Menu' on the left with 'Blind' selected, an 'Edit' table in the center, and a 'Blinds' list on the right. The 'Edit' table contains the following data:

Field	Value
Name	Blind
Move To Position	3/0/0
Move To Position Status	3/0/1
Move Slat	3/0/2
Move Slat Status	3/0/3

The 'Blinds' list shows a single entry: 'Blind'. A red callout box labeled 'Living Room blind' points to the configuration area.

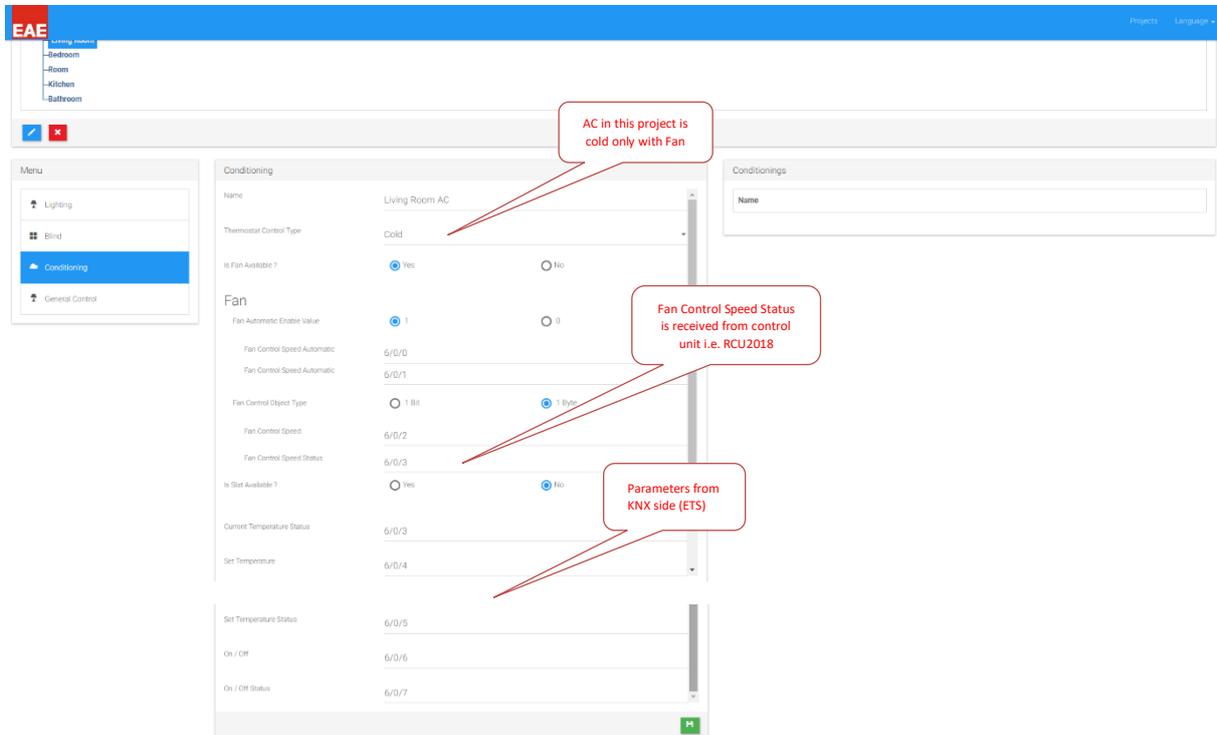
The screenshot shows the EAE configuration interface for a Bed Room blind. The top navigation bar includes the EAE logo, 'Projects', and 'Language'. A sidebar on the left lists room categories: Bedroom, Room, Kitchen, and Bathroom. The main content area is divided into three sections: a 'Menu' on the left with 'Blind' selected, an 'Edit' table in the center, and a 'Blinds' list on the right. The 'Edit' table contains the following data:

Field	Value
Name	Blind
Move To Position	3/1/0
Move To Position Status	3/1/1
Move Slat	3/1/2
Move Slat Status	3/1/3

The 'Blinds' list shows a single entry: 'Blind'. A red callout box labeled 'Bed Room blind' points to the configuration area.

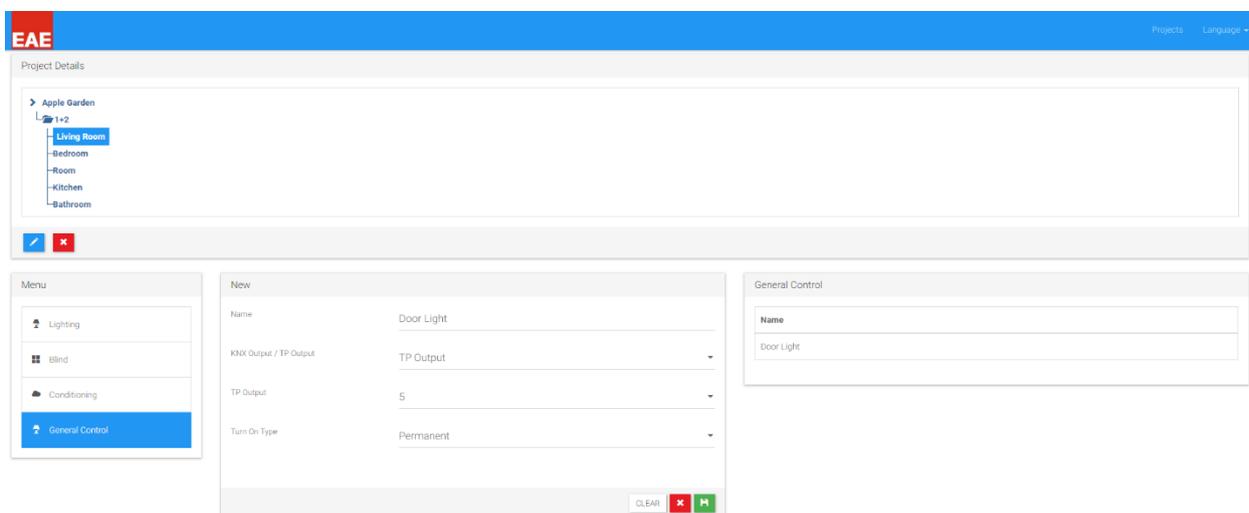
### 6.8.3 Conditioning

Prior to configuring the Touch Panel conditioning section, all the relevant configurations should be made on the KNX side.



### 6.8.4 General Control

Resident wants to turn on/off apartment door from the touch panel. Hence General Control feature of Valesa will be used for this case. 5<sup>th</sup> touch panel output is used for this purpose. It has been added to Living Room.



## 7.0 Summary

Valesa Touch Panel configuration is explained with an example in this document. One should have good knowledge in KNX to configure ETS for Valesa. For more information or any questions please contact EAE Technology: [www.eaetechnology.com/](http://www.eaetechnology.com/)