VIRTUAL MONITOR

User Manual

Contents

1. Document versions

Version	Date	Author	Version Description
1.0	07/2024	CLL	First version of the document
1.1	10/2024	APL	Second version of the document

2. License

To license the Virtual Panel, first access the Virtual Panel menu and select the 'License' option.

Once inside, you must send the UID code to SGSE so they can activate the license.
After sending the UID to SGSE, you will receive a file containing the activated license.
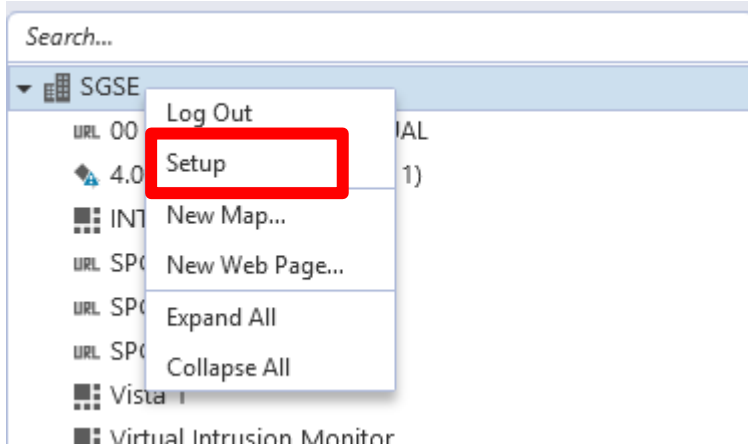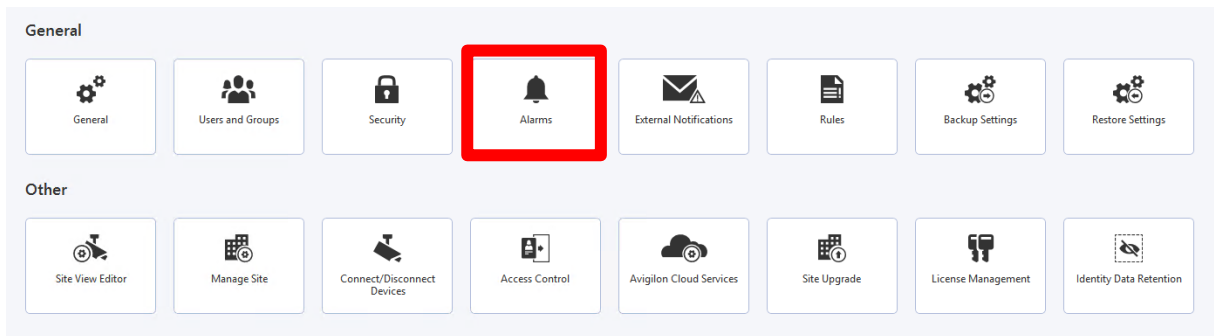
Next, click on 'Select License File.'

Once done, locate the license file provided by SGSE. After selecting it, the Virtual Panel will be activated.
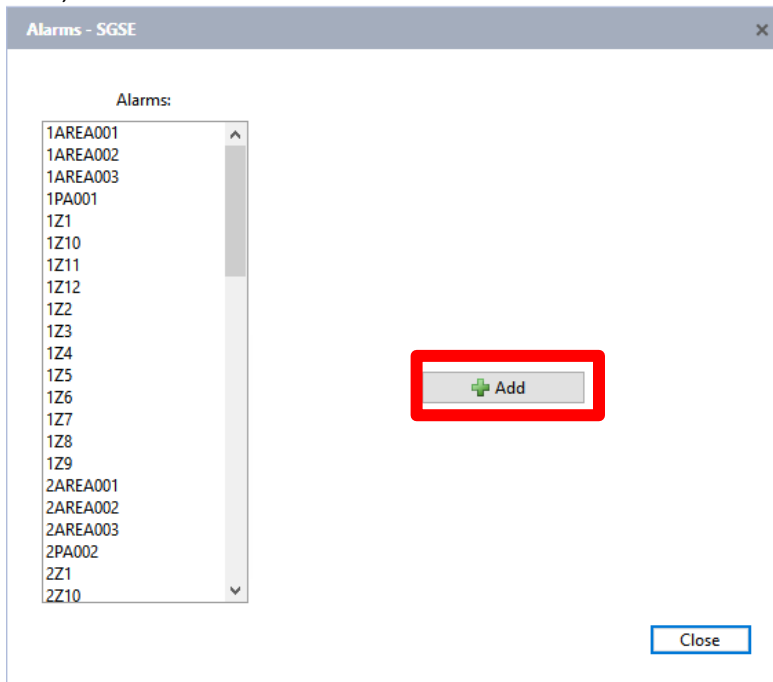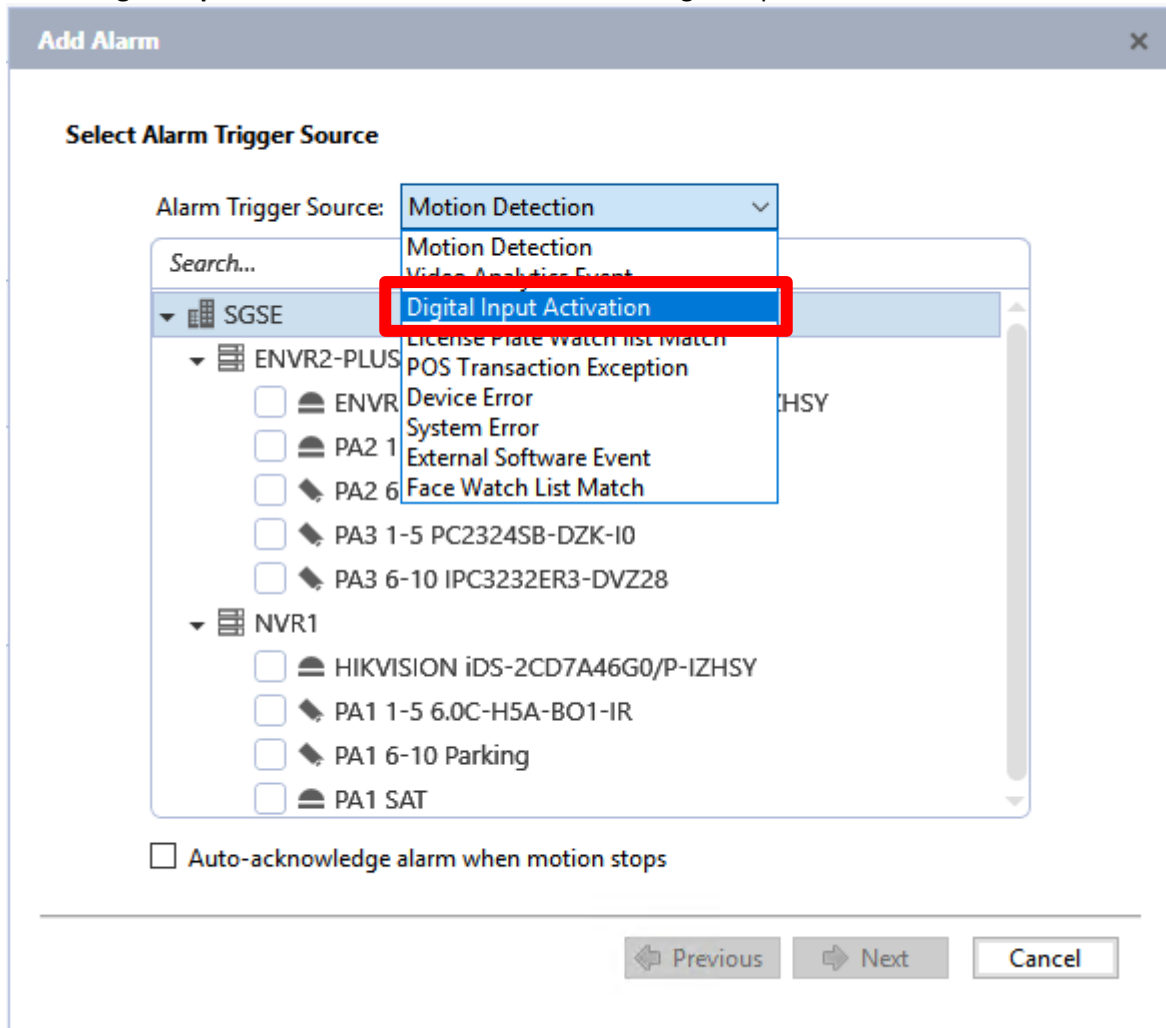
3. Create alarms in ACC

First, go to **Setup**.

Then go to **Alarms**.

Next, click on **'Add.'**

Select **'Digital Input Activation'** and choose one of the digital inputs.

Then, click **'Next'** and select the camera where you want to activate the alarm.

Now, add the users who should receive a notification when the alarm is activated.

In this step, simply click 'Next.'

Finally, assign a name to the alarm and click 'Finish.'

Add Alarm ✕

Select Alarm Properties

Name: New Alarm

Priority: 1 ⌄

Schedule: Always ⌄ ✏️

☑ Enable alarm

⬅ Previous ✅ Finish Cancel

4. Create Analytical events in ACC

Go to **Setup**.
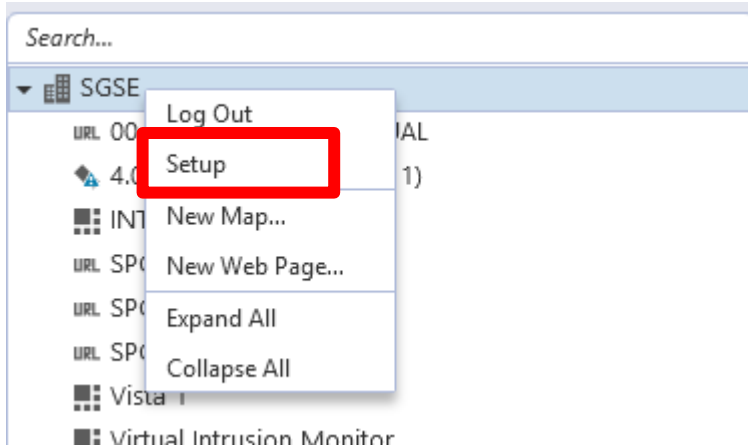
Next, select a camera and click on **'Analytical Events**.'
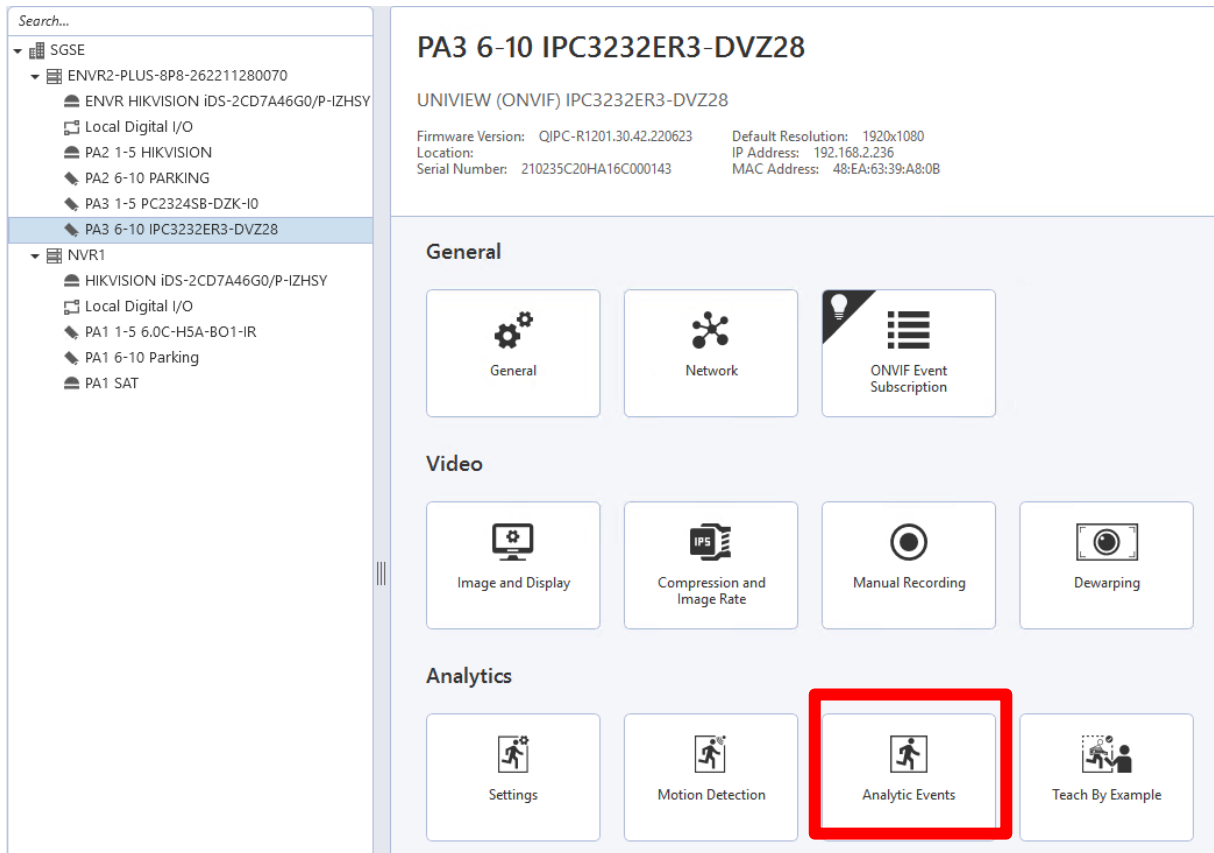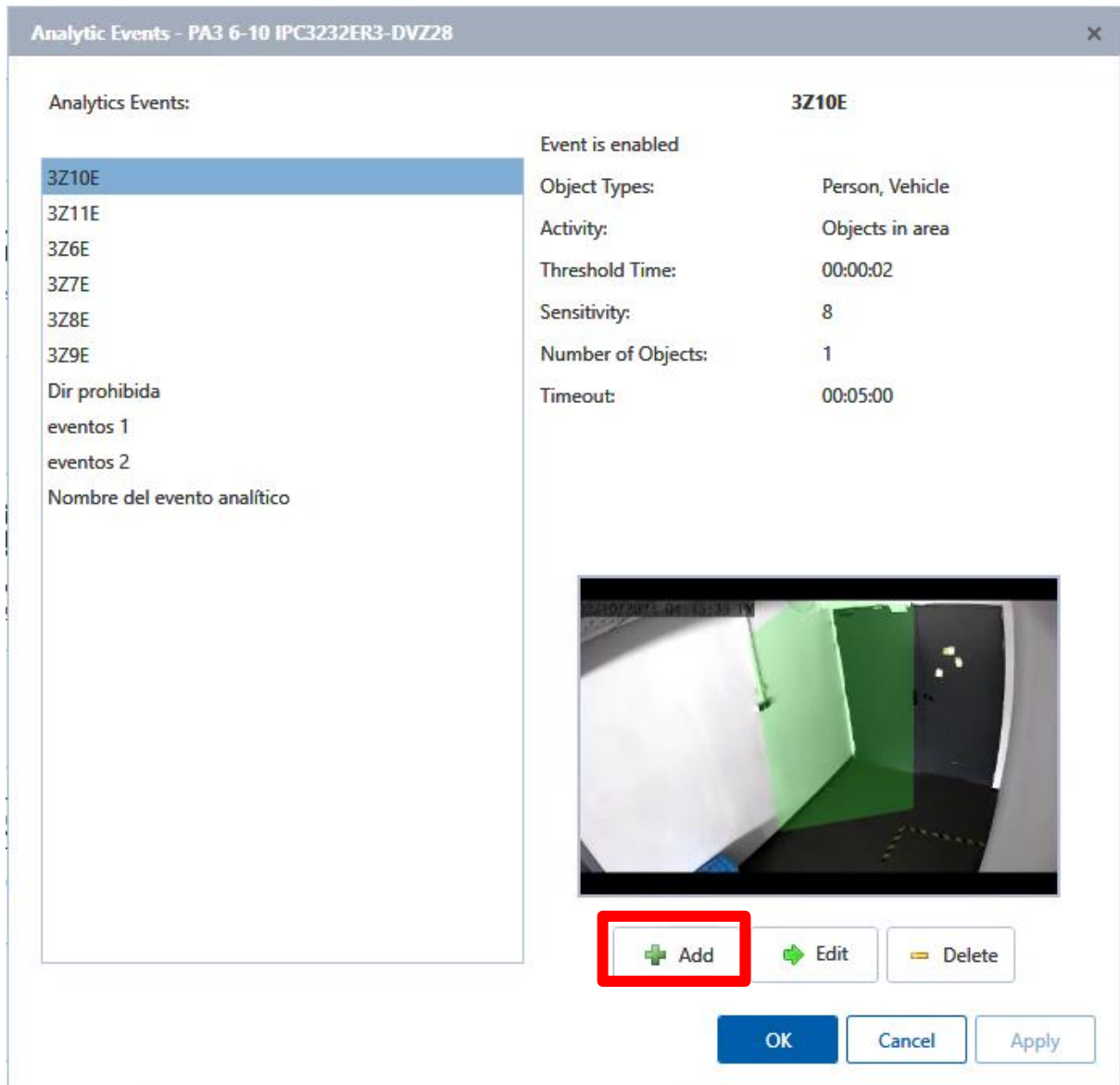
Then, assign a name to the analytical event and select the zone where you want to configure the event.
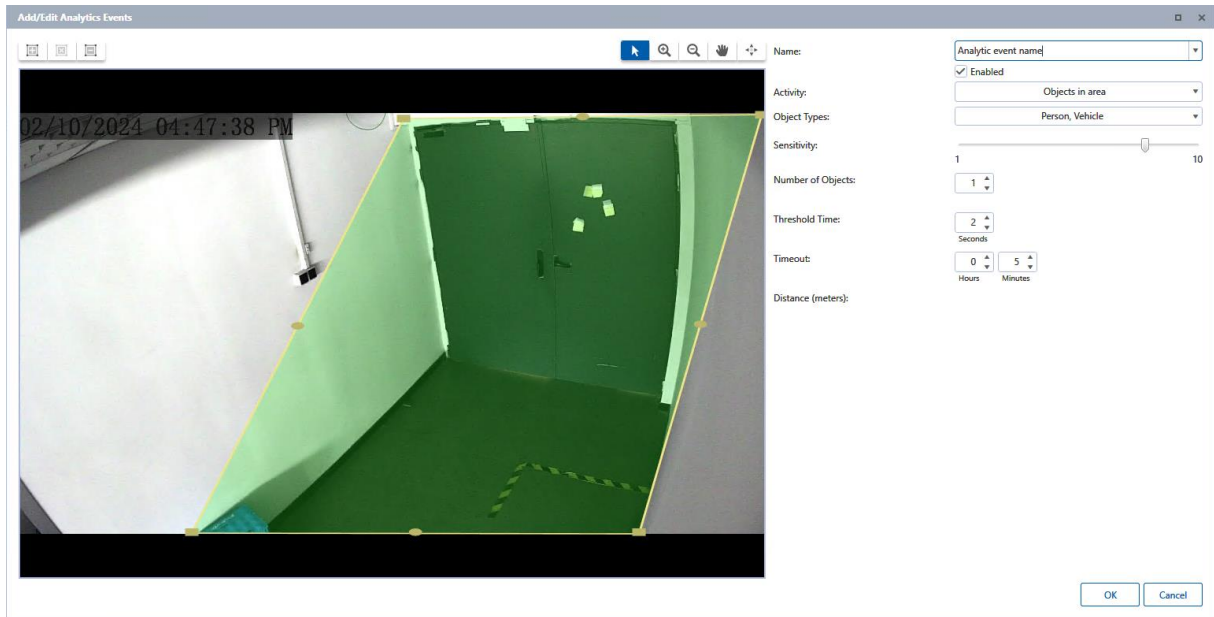
Next, select the activity and specify whether you want it to be a vehicle or a person.

Finally, click 'OK' and the analytical event will be created.

5. Configuring ACC Servers

The ACC servers whose video analysis events you wish to monitor must be registered on the configuration page:

https://sgse-virtual-monitor.eu:7348/AvigilonServers

- By clicking the "+" button located in the upper-right corner of the table, a new entry will be created. Next, the following fields must be filled in with the ACC server information:
- IP or domain.
- Port.
- User.
- Password.
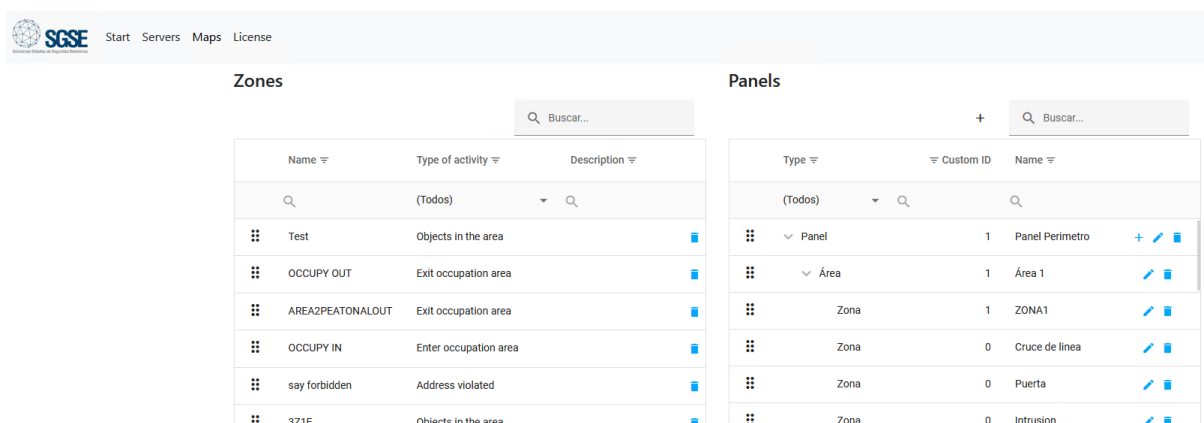
6. System Elements Configuration

The zones (the video analysis events of the ACC server's cameras) will be registered automatically, appearing in the integration, and will be displayed on the page https://sgse-virtual-monitor.eu:7348 in the left column, whose header is titled "Zones."

For more details about existing or upcoming analytical events, please carefully read the ACC 7 system manual from Avigilon (avigilon-acc7-client-es.pdf). In this manual, you will find the activities performed by the events along with their descriptions.

The panels and areas must be created by the user in the left-hand tree, and will be organized hierarchically. You can drag and drop zones onto areas to associate them. Similarly, areas can be dragged between panels.

Registering a Panel

At the top-right of the tree displaying the hierarchy of elements, next to the search panel, click the "+" button.
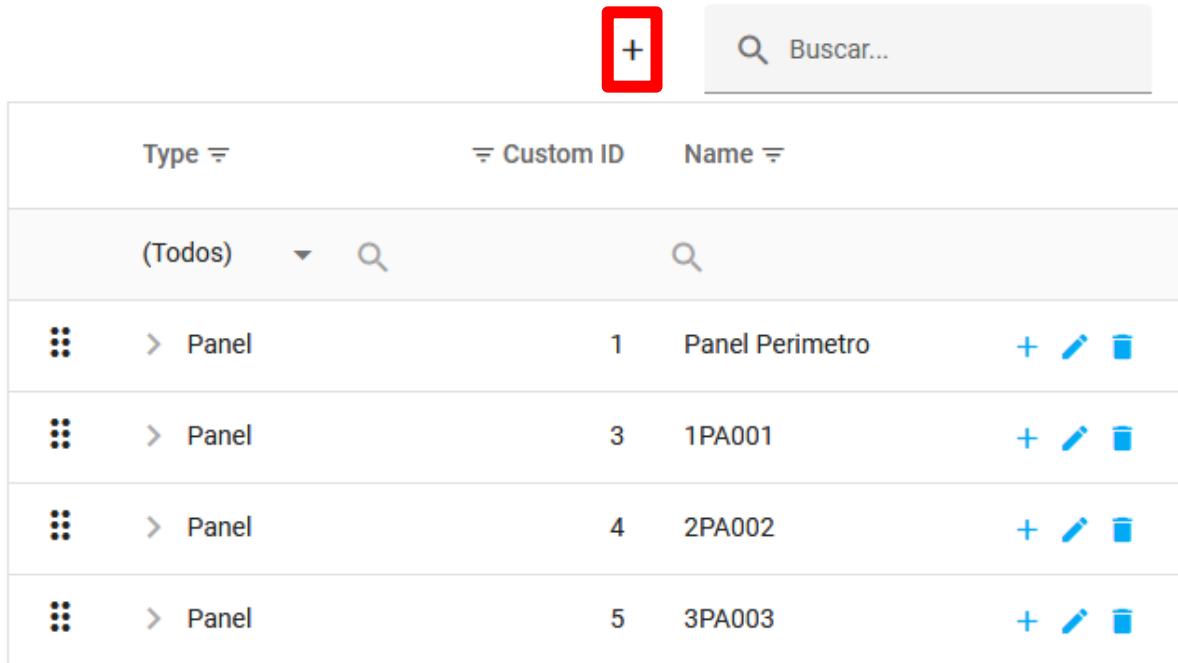
Panels

	Type ⩯		⩯ Custom ID	Name ⩯			
	(Todos) ▾ 🔍			🔍			
⠿	> Panel		1	Panel Perimetro	+	✎	🗑
⠿	> Panel		3	1PA001	+	✎	🗑
⠿	> Panel		4	2PA002	+	✎	🗑
⠿	> Panel		5	3PA003	+	✎	🗑

In the pop-up dialog, the value of the element type will be preset to "Panel." First, you can specify the name and description of the element:

Item details

Type

Panel

Custom ID

0

Name *

Description

KEEP   CANCEL

Second, you can specify the number of seconds it will take to arm the delayed arming option and associate an alarm.

The "Associated Alarm" field includes a search box. You can select one of the alarms defined in ACC (Avigilon).

If the element has an associated alarm, it will appear in alarm status on the map when the alarm is triggered, and by acknowledging the alarm in the element, the alarm will also be acknowledged in ACC.

Armed seconds delayed

0

Associated alarm

🔍 Buscar

1Z7

ZONA 2 (1002)

3AREA003

Registering an area

To create a new area, navigate to the panel where you wish to create it and click on the "+" button.

Just like the panel, the area configuration includes name, description...

Seconds for the delayed arming option, and associated alarm (alarms declared in Avigilon ACC).

Armed seconds delayed

0

Associated alarm

Q Buscar

2Z5

3Z7

Registering a Zone

Todas las zonas disponibles aparecerán listadas en el panel derecho: Zones will be automatically imported when a new ACC server is registered in the server configuration at: https://sgse-virtual-monitor.eu:7348/AvigilonServers

All available zones will appear listed on the right-hand panel.

Zones can be associated with a panel's area. To do this, drag the zone you wish to associate from the left list ("Zones" box) to the tree on the right ("Panels" box), dropping it onto the corresponding area.

Just like panels and areas, zones include "Name" and "Description" fields...

Item details

Type

Zona

Custom ID

1

Name *

ZONA1

Description

KEEP   CANCEL

Additionally, it includes the following options:

- "Arm in partial arming": When the partial arming command is executed on an area, zones with this property enabled will be armed.
- "Associated Alarm": Same behavior as in panels and areas.
- "Custom Type": Allows selecting an icon from the available zone types.

Arm in partial assembly
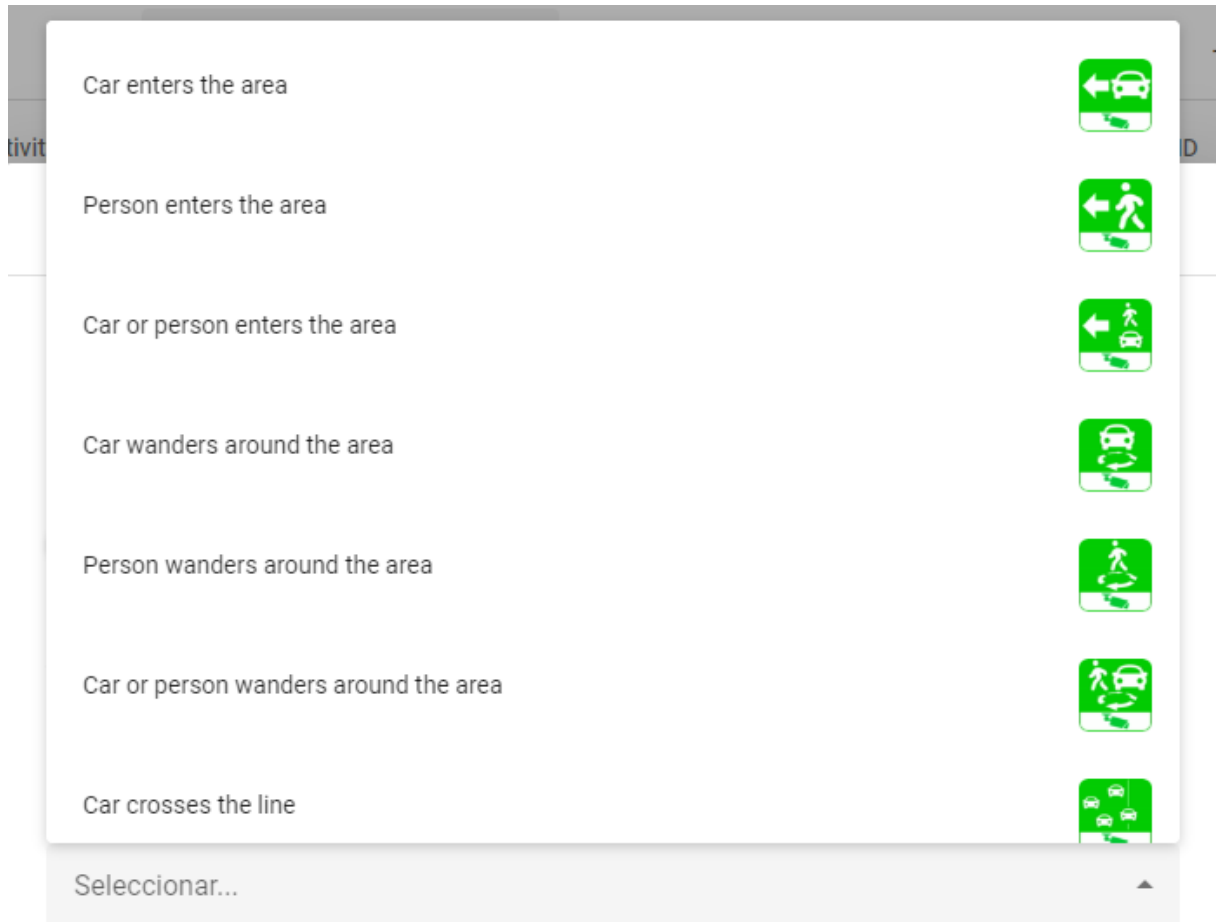
Associated alarm

1AREA001

Custom Type

Seleccionar...

KEEP   CANCEL

The "Custom Type" icon configuration will display a list of activity types and their corresponding icons.

Event Display

Events received from the ACC server will be displayed at the bottom of the screen, and it will be possible to sort and filter them by any of their fields (name, type, activity, date/time, and server).

Events

| Name ⇌	Type ⇌	Activity ⇌	Date ⇌	Server ⇌
🔍	🔍	🔍	🔍	📅 🔍
ZONA3	DEVICE_ANALYTICS_START	OBJECT_PRESENT	13/08/2024, 13:50:06.002	NVR1
1Z7E	DEVICE_ANALYTICS_START	OBJECT_PRESENT	13/08/2024, 13:50:06.002	NVR1
AREA2PEATONALOUT	DEVICE_ANALYTICS_START	OBJECT_COUNTING_EXIT	13/08/2024, 13:50:19.002	NVR1
OCCUPY IN	DEVICE_ANALYTICS_START	OBJECT_COUNTING_ENTER	13/08/2024, 13:50:22.002	NVR1
OCCUPY OUT	DEVICE_ANALYTICS_START	OBJECT_COUNTING_EXIT	13/08/2024, 13:50:23.002	NVR1
1Z9E	DEVICE_ANALYTICS_START	OBJECT_PRESENT	13/08/2024, 13:50:26.002	NVR1
1Z9E	DEVICE_ANALYTICS_STOP	OBJECT_PRESENT	13/08/2024, 13:50:27.002	NVR1
1Z9E	DEVICE_ANALYTICS_START	OBJECT_PRESENT	13/08/2024, 13:50:29.002	NVR1
AREA2PEATONALOUT	DEVICE_ANALYTICS_STOP	OBJECT_COUNTING_EXIT	13/08/2024, 13:50:33.002	NVR1
1Z9E	DEVICE_ANALYTICS_STOP	OBJECT_PRESENT	13/08/2024, 13:50:33.002	NVR1
OCCUPY IN	DEVICE_ANALYTICS_STOP	OBJECT_COUNTING_ENTER	13/08/2024, 13:50:33.002	NVR1
OCCUPY OUT	DEVICE_ANALYTICS_STOP	OBJECT_COUNTING_EXIT	13/08/2024, 13:50:33.002	NVR1
Line cross	DEVICE_ANALYTICS_START	OBJECT_CROSSES_BEAM	13/08/2024, 13:50:42.002	NVR1

7. Map Layout

In the "Maps" tab, the user will be redirected to the web interface of the map layout service. All items will be available to be dragged onto the map with the name assigned from the configuration page.

To do this, click "**Edit**" at the top right.
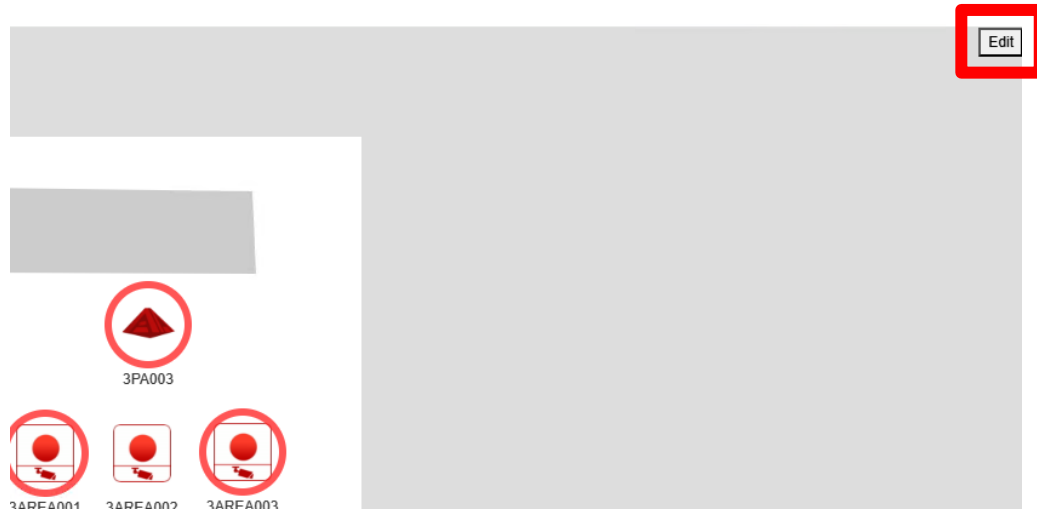
Next, the **'Tools'** menu will appear, where the icons will be organized into zones, areas, or panels. Simply open each menu and drag the icons you want onto the map.
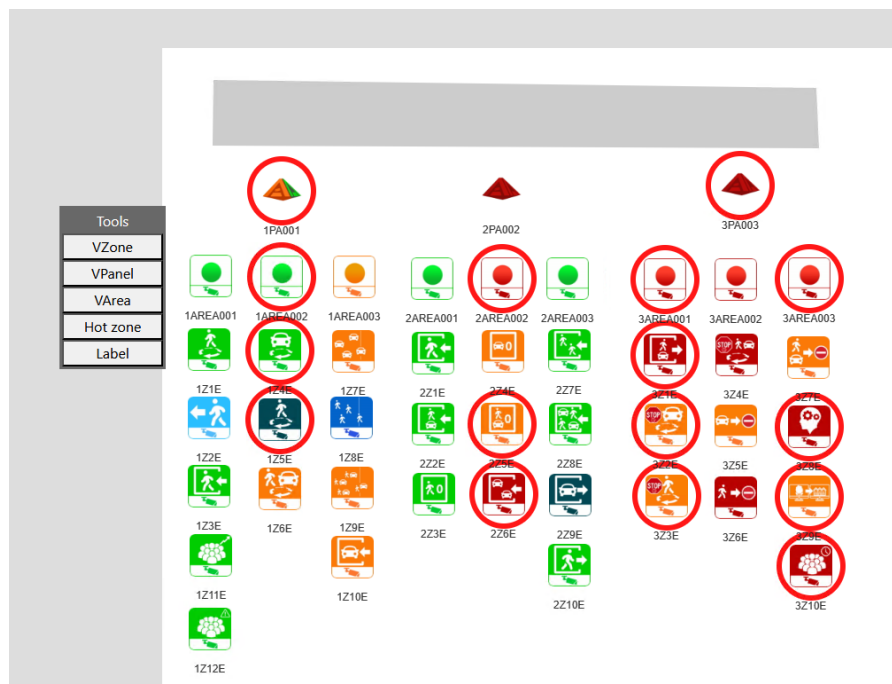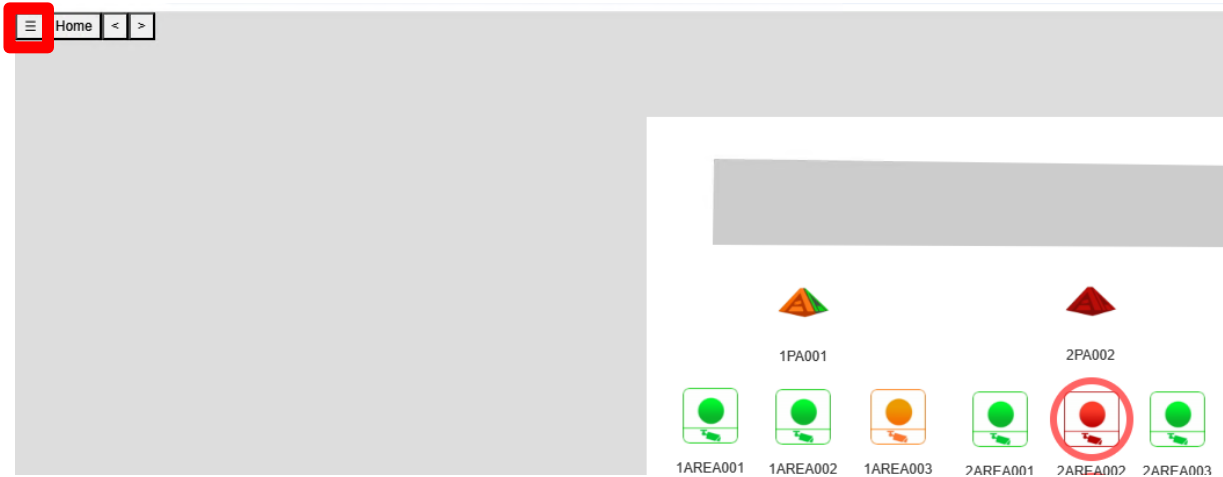
For example, if we want to display an area, click on "VArea."

We'll open the areas menu and then simply drag the available area onto the map. In this case, I dragged "Area 2."

Items that are already gray are those that have already been placed on the map.

Adding a Map

To add a map, go to the menu located all the way to the left and click on the three horizontal bars to open it.

Next, a menu will open on the far left. To add a new map, click on **'Add Map.'**
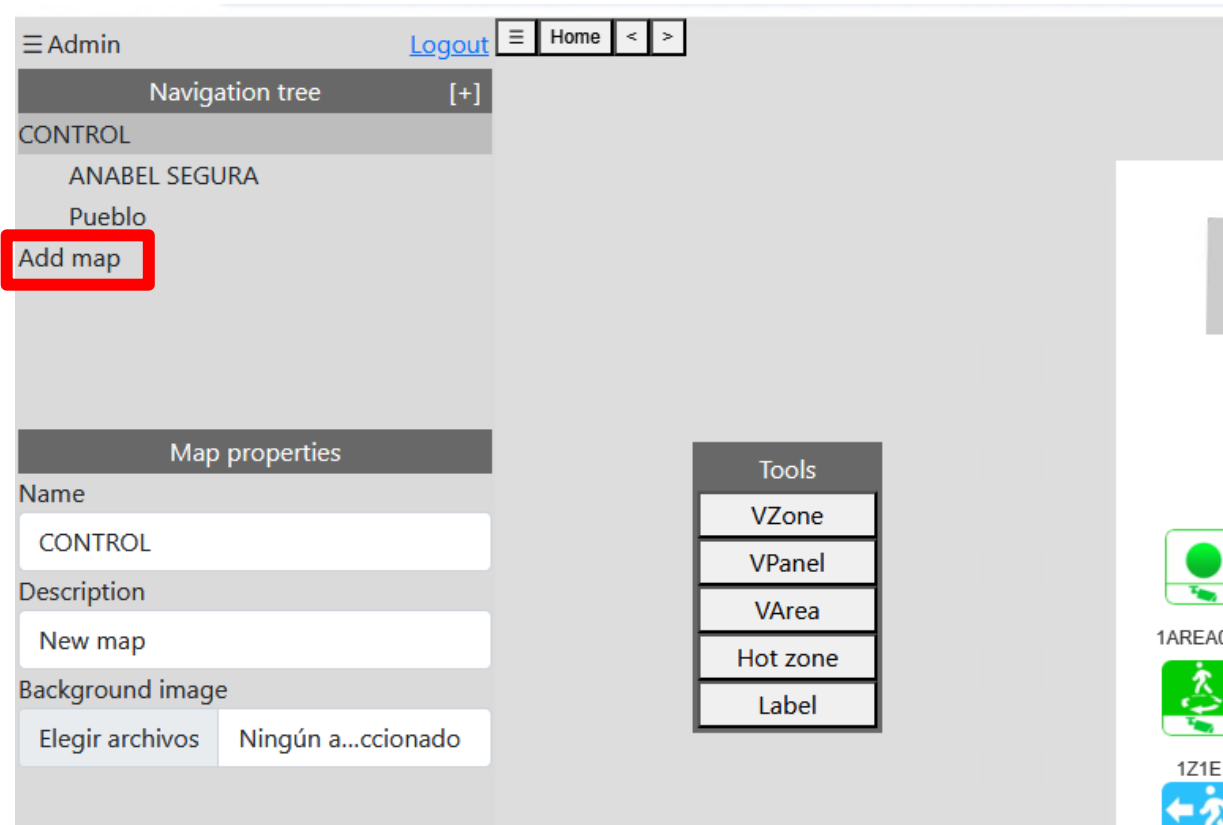
Once created, to add an image, click on "**Edit**" at the top right.

In this section, you can change the name and description. Finally, by clicking on 'Choose Files,' you can select the image you wish to place on the map.
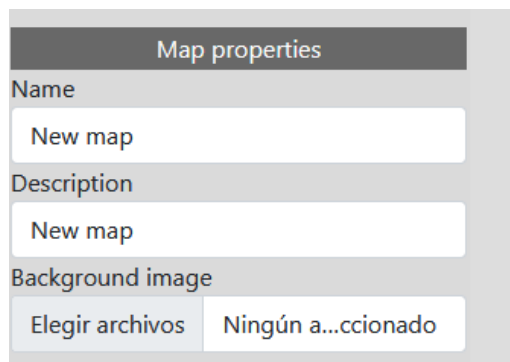
Selecciona la imagen y haz clic en 'Open'. Por último, para que la imagen se cargue en el plano, haz clic en **'Save'**, que aparecerá en el lugar donde antes estaba el botón **'Edit'**.
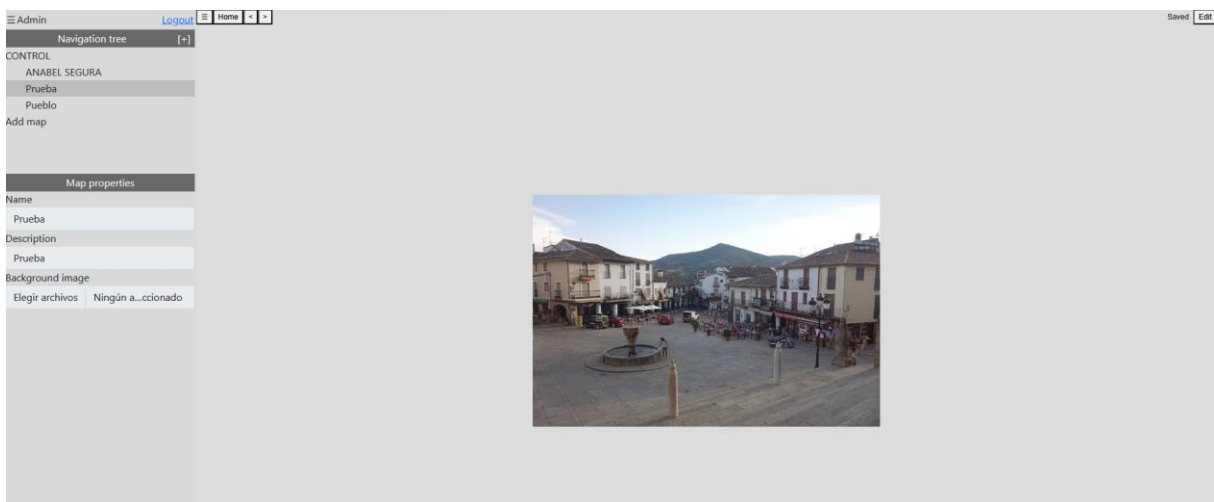
Commands

On the map with icons, the operator must right-click on the icon, and the system will display the available commands for the selected item.

The panels have the following commands:
- Arms
- Partial Assembly
- Timed Arming
- Disarm
- Forced Armed
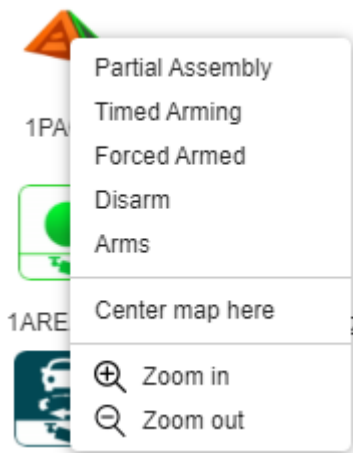
Each area has the following commands:

- Forced Armed
- Partial Assembly
- Disarm
- Timed Arming
- Arms
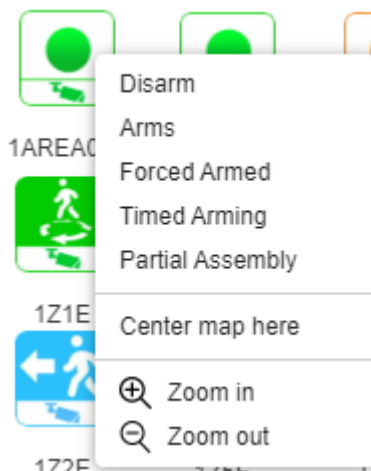
Each zone has the following commands:

- Inhibit
- Isolate
- Reintegrate
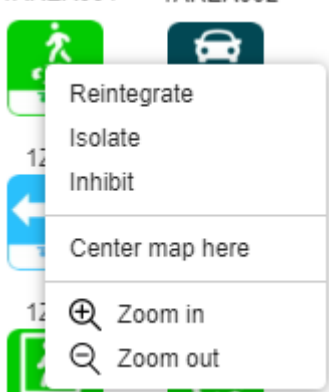
Lastly, if we have an **alarmed zone/area/panel**, we will also be able to acknowledge the alarms.
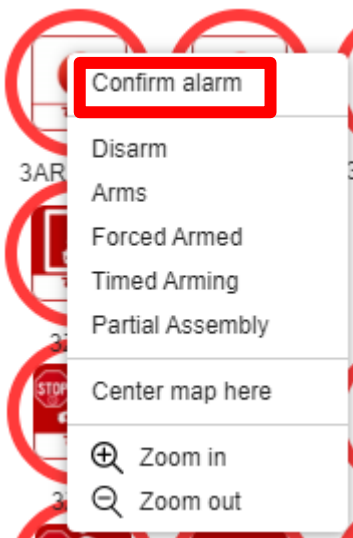
Iconography

Panel

Status	Icon
Normal	
Alarm	
Armed	
Partially Armed	
Waiting for Delayed Arming	
Malfunctions	
Unknown	

Area

Status	Icon
Normal	
Alarm	
Armed	
Force set	
Partially Armed	
Waiting for Delayed Arming	
Malfunctions	
Unknown	

Zone

Status	Icon
Normal	
Alarm	
Active	
Armed	
Inhibit	
Isolated	
Malfunctions	
Unknown	

Zone Type

Type	Icon
Car enters the zone	
Person enters the zone	
Car or person enters the zone	
Person loiters in the zone	
Car loiters in the zone	
Car or person loiters in the zone	
Car crosses the line	
Person crosses the line	
Car or person crosses the line	
Car appears in the zone	
Person appears in the zone	
Car or person appears in the zone	
Missing person	
Missing car	
Missing car or person	
Car enters the area of interest	
Person enters the area of interest	
Car or person enters the area of interest	
Car exits the area of interest	
Person exits the area of interest	
Car or person exits the area of interest	
Car stops in the zone	
Person stops in the zone	
Car or person stops in the zone	
Car going in the wrong direction	
Person going in the wrong direction	

Car or person going in the wrong direction		
Intelligent movement		
Tampering		
Crowd size		
Unusual crowd growth		
Unusual crowd size		

More Information

For more information, visit http://www.sgse.eu or contact SGSE at info@sgse.eu.