

FSM

Fire Monitoring System



Manual V.5.02.BF

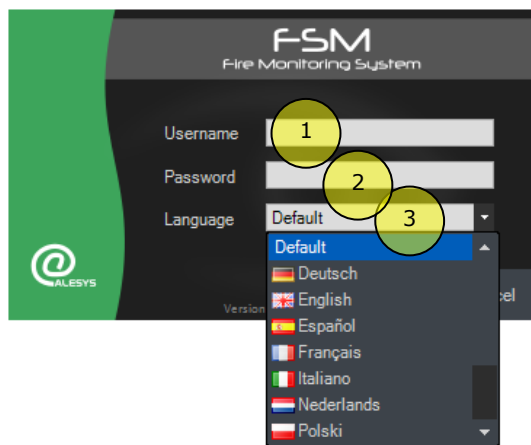
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Introduction

The Security Control SBE is a centralized client server platform with a multi-monitor maps graphical user interface.

Easy to install, to setup and to maintain.

Start Up - login

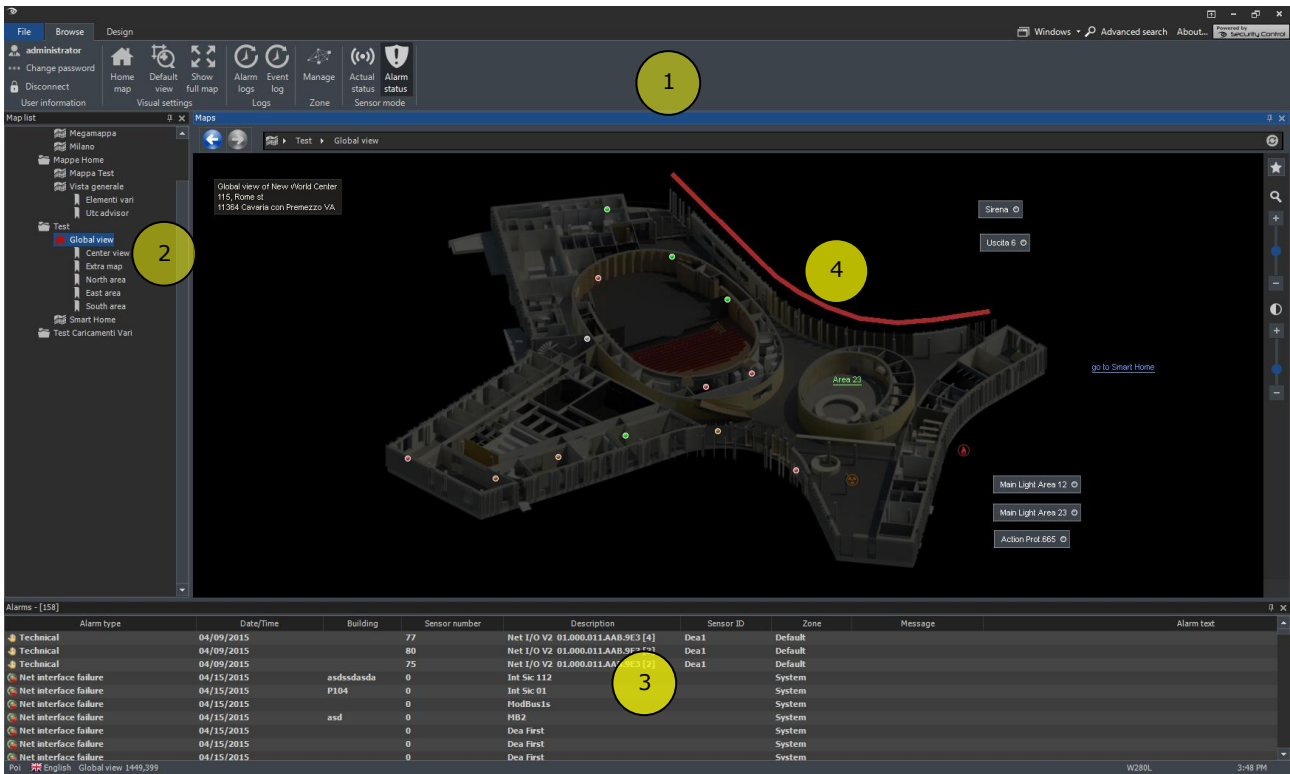


Insert your login credentials into the login form.

- 1) Username
- 2) Password
- 3) Language - it is possible to select any specific language. Default is the preferred language configured in the user settings.

System SETUP

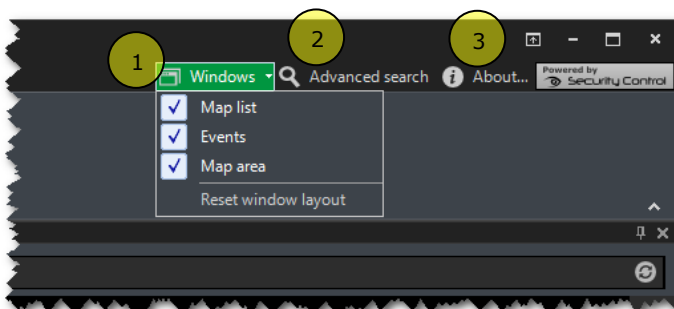
Main Window



Windows part of the main screen:

- 1) Menu area
- 2) Maps tree
- 3) Active alarms and system alerts
- 4) Current map

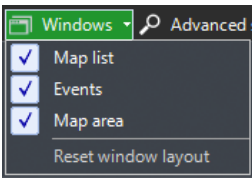
These windows can be moved to customize the operator GUI. From the “windows” panel it is possible to select or hide the windows you want to be active in the main screen.



1. Windows
2. Advanced Search
3. About ...

FSM – Fire Monitoring System

1. Windows:

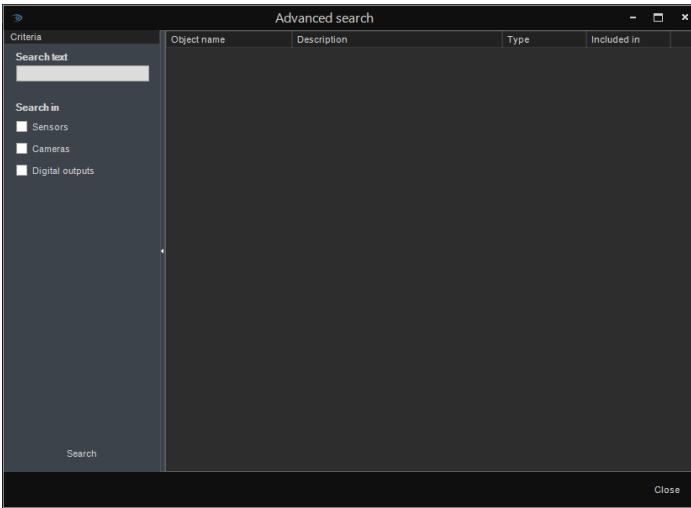


Selection of the windows part of the main screen. It is possible to move them in different parts of the screen.

From this panel it is possible to enable or disable any single window view.

The reset window layout will restore the factory default view.

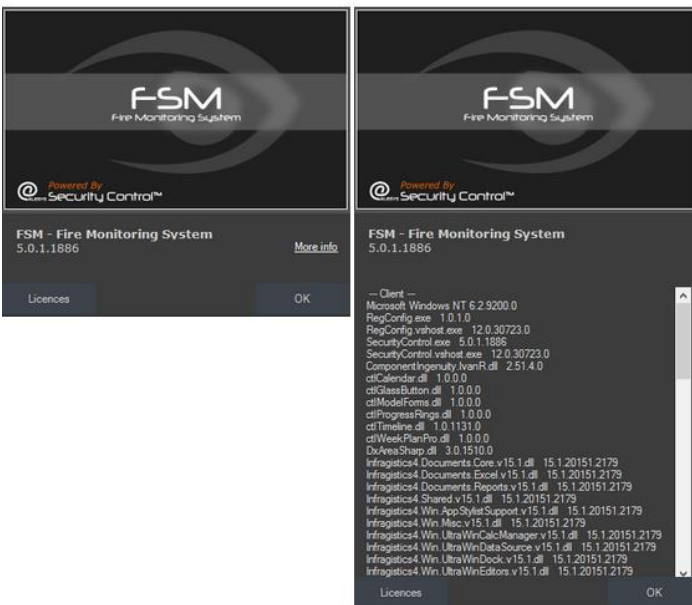
2. Advanced Search:



In the advanced search it is possible to search objects with different parameters like: name, ID, description, etc

A double click, on the selected object, opens the map where it is placed to select it.

3. About...:



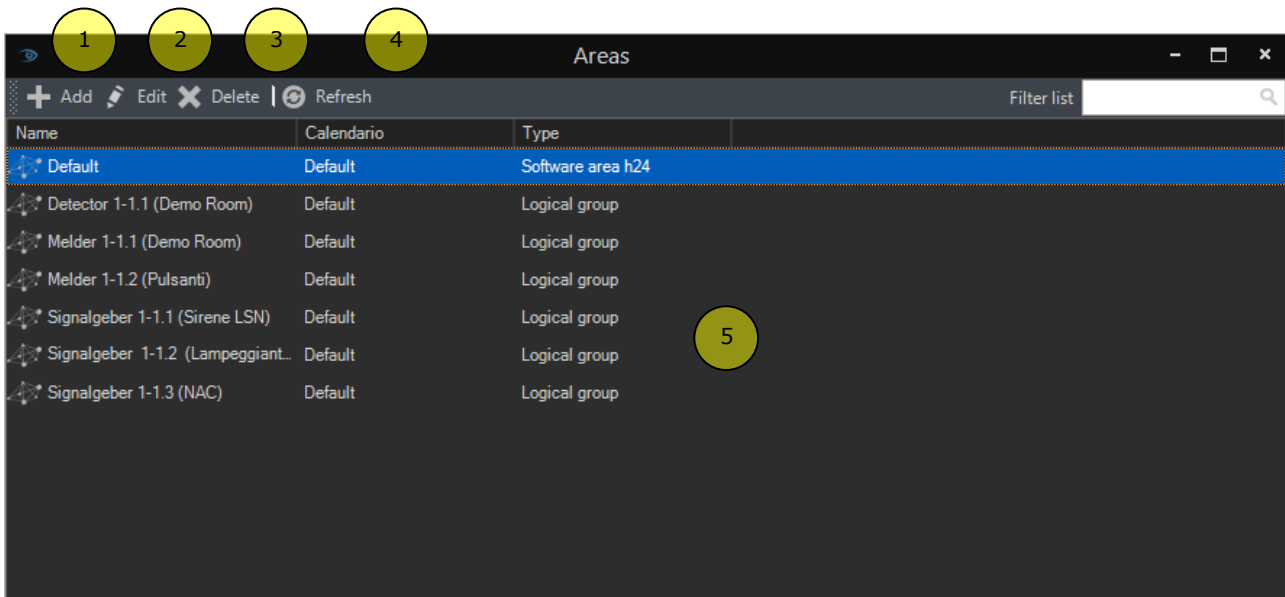
Main information about the software release.

Main window - Menu area (File, Design)

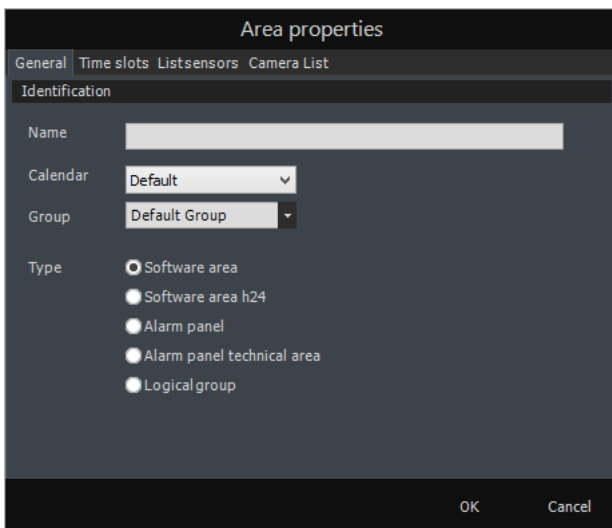
File

Device management

○ Zones



1) Add



Click “add” to create a new zone in the system.

Name: Name of the zone

Calendar: Select the calendar

Group: Select the group to which it belongs

Type – With the selection of a type, different “tabs” have to be configured, here below we will see the list:

Software area

Software area h24

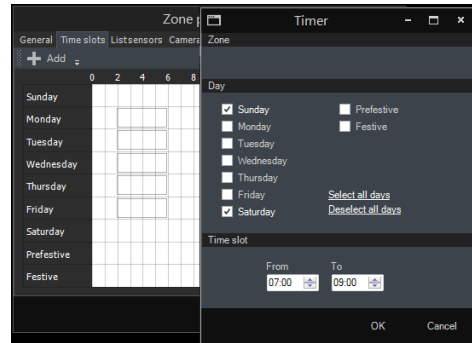
Alarm panel

Alarm panel technical area

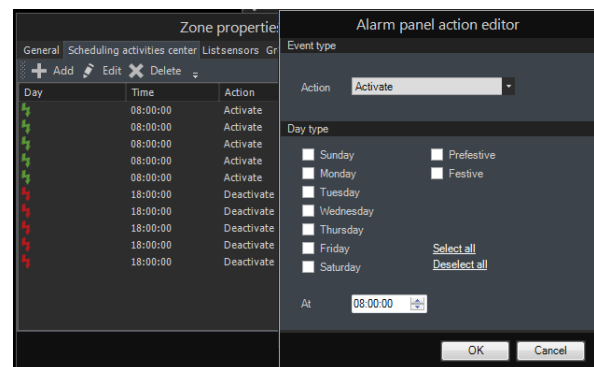
Logical group

FSM – Fire Monitoring System

- 1) **Software area:** Timer mode
 - a) Time slot: define the schedule
 - b) Sensor list: list of sensors part of this area
 - c) Camera list: list of cameras part of this area



- 2) **Software area h24:** The area is always on.
 - a) Sensor list
 - b) Camera list
- 3) **Alarm panel:** Management of the alarm panel areas.
 - a) Scheduling tasks: schedule actions (arm – disarm)
 - b) Sensor list: list of sensors part of this area
 - c) Group alarm: select the group to which it belongs



- 4) **Technical zone:** Management of the alarm panel technical areas.
 - a) Sensor list: list of sensors part of this zone
 - b) Alarm group: select the group to which it belongs
- 5) **Logical group:** Management of logical areas where no physical areas are present.
 - a) Sensor list: list of sensors part of this zone

2) Edit

Edit the area properties to be modified or updated.

3) Delete

Delete the selected area.

4) Refresh

Refresh and reload all the configured zones.

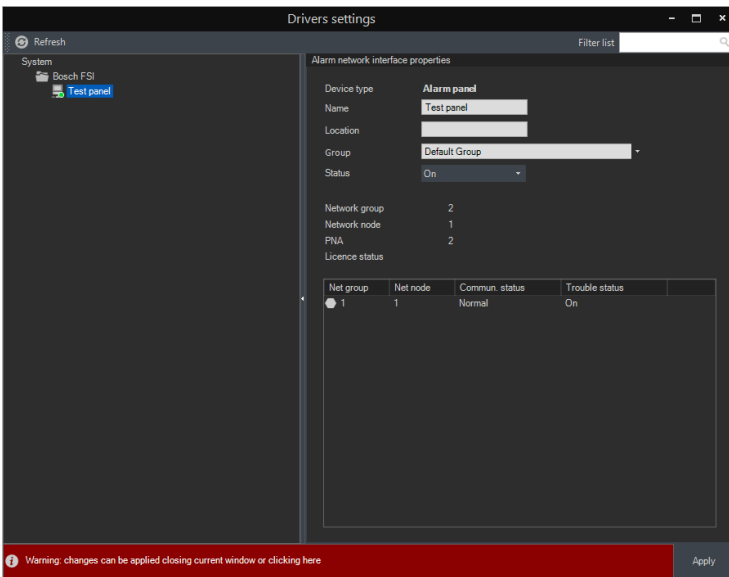
5) Area list

Area displaying the list of areas with corresponding information:

- Area name
- Calendar related
- Area type

- Driver settings

This is the section to configure the drivers (alarm panels, fire panels, etc)



Click the system part to enter in the device configuration

The list of parameters is strictly linked to the selected panel model with information required by the product manufacturer and by the protocol implemented.

Name: Name of the panel – MAX 6 characters

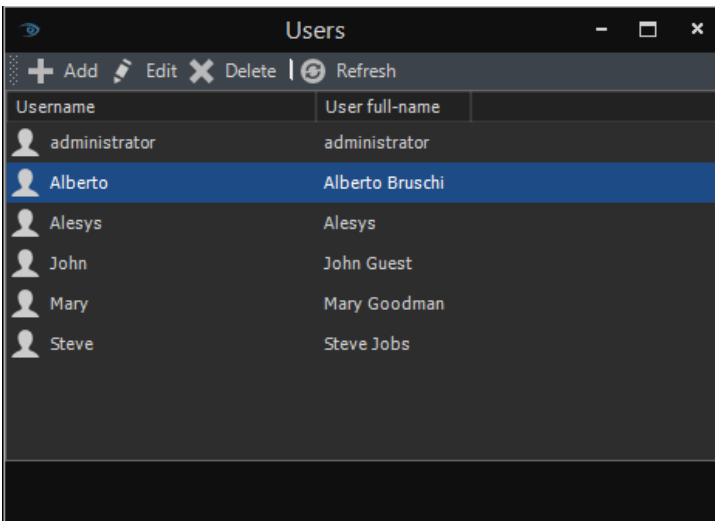
Location: MAX 6 characters

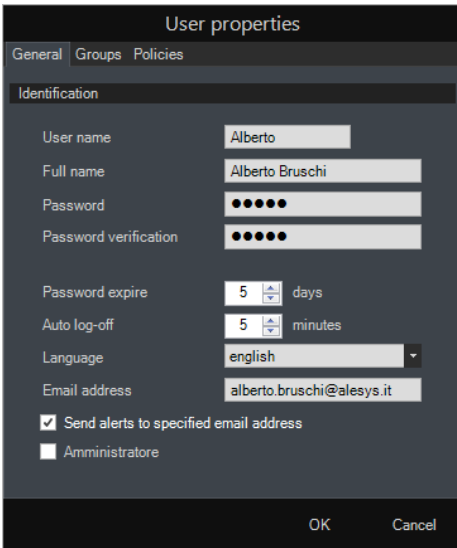
Group: Select the group to which it belongs

Status: On/Off

Administration tools

- Users





General

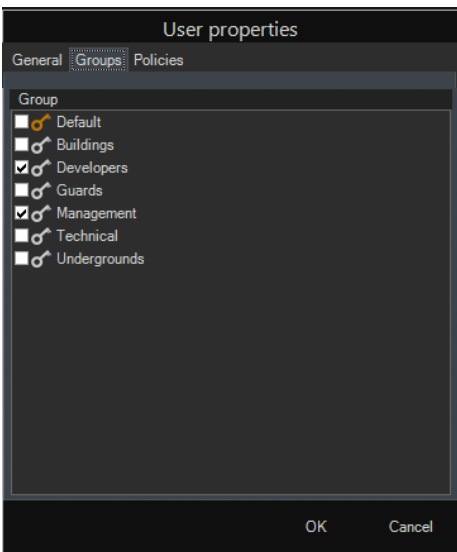
Username: login ID – **User full-name:** complete name of the user

Password expiration: Each user can have a password expiration, if the user access after the password expiration time he needs to setup the new password first.

Auto log-off: automatic user log-off after a configured inactivity time. The system keep displaying any alert but when the user re-use the system the user password is required.

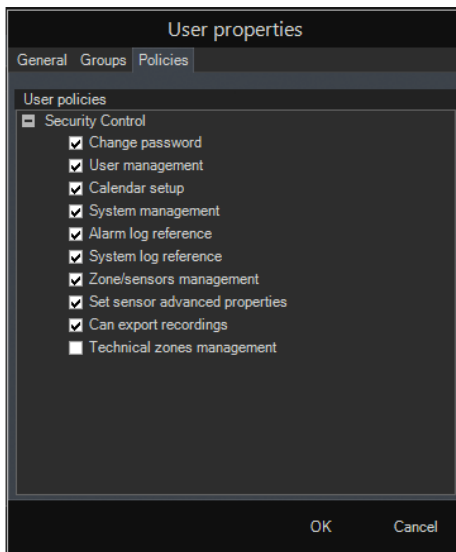
Language: default user language

Email address: User email to address alert in case it is configured



Groups

Select in which group the user can access.

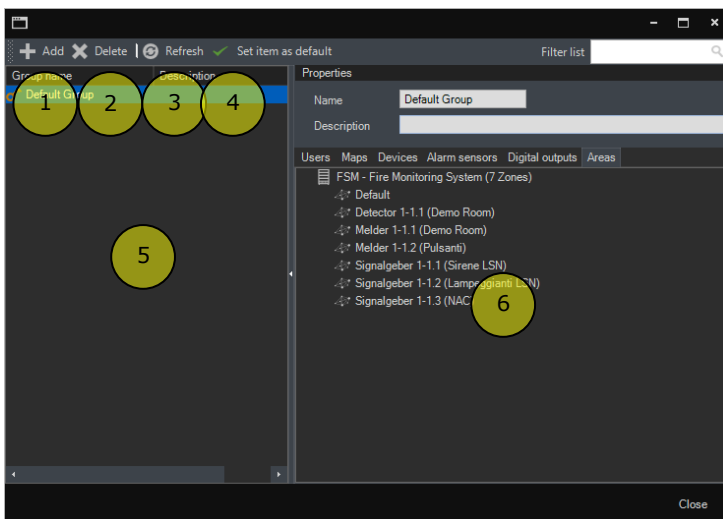


System Policies:

Select the actions or parts of the system the user can access or manage.

Administrators have all selections enabled

o User groups



Groups are at the base of the system policies and access rights.

All maps, resources and objects must be part of one group in order to grant access and visibility to the users.

Each object, map or resource can be part of only one group.

Each user can be part of one, more or all groups to see and manage the resources associated.

Administrators are part of all groups and have rights to access to all parts of the system.

Here you can see which resources are included in any specific group.

1) Add

Click “add group” to create a new group adding all the Maps/Objects, Drivers and Areas part of that specific group.

2) Delete

Delete a specific group. Deleting a specific group all the resources will be added automatically to the default group.

3) Refresh

Refresh and reload all the configured groups

4) Set as Default

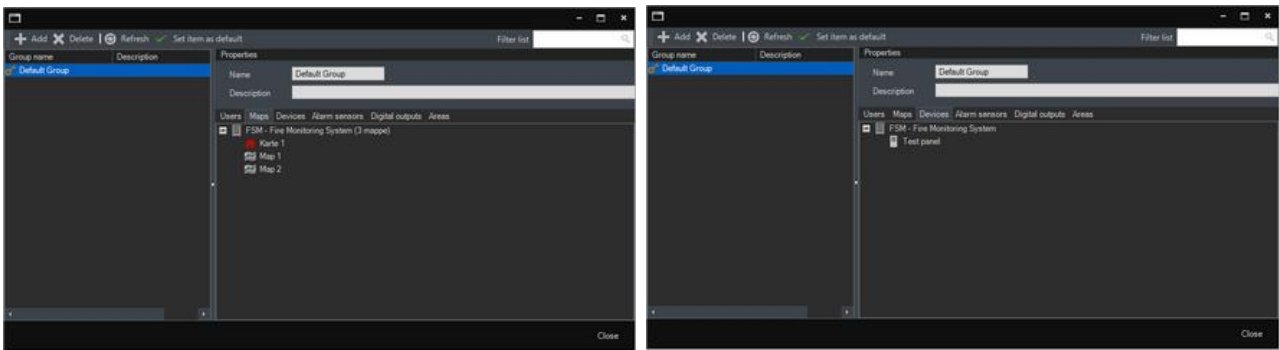
One group can be configured as default group.

5) Groups area

In this section it is possible to find all the configured groups

6) Settings area

In this section it is possible to view all the settings of the selected group in the groups area (5)



○ Calendars management

This section manages multi-calendars with holidays, pre-holidays, bank holidays and working days. More calendars can be added for different purposes.

○ Manage alarm and sounds

Different sounds can be associated to specific events.

Change password

The connected user can change its own password.

Disconnect

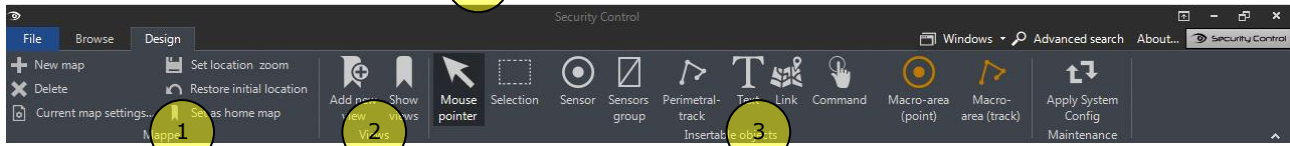
User disconnection

Exit

Exit from the Security Control

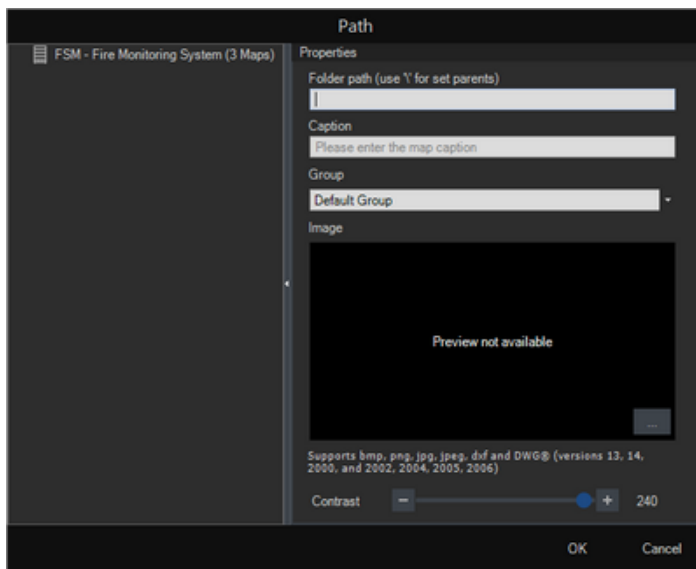
Design

The Design menu enables the setup of the maps and the insertion / configuration of the objects



1) Maps management

a. New map



Select “New map” to add a map in the system.

The Security Control must have at least one map in order to add field resources (sensors, keyboards, panels, etc) to be properly managed.

- 1) Folder path: folder in which the map will be placed
- 2) Caption: name of the map
- 3) Group: select the group in which you want the map
- 4) Image: selection of the map image file (DWG, BMP, JPG, PNG; ...)
- 5) Contrast: select the desired contrast or transparency
- 6) Existing maps tree folders with the complete path. Clicking on a folder the new map will be added to that specific folder.

b. Delete map

Delete a map in the GUI. This command will delete the map and all the resources included.

c. Current maps settings

Enter the settings of the map (see Figure).

In this section it is possible to change the map image, the path, the name.

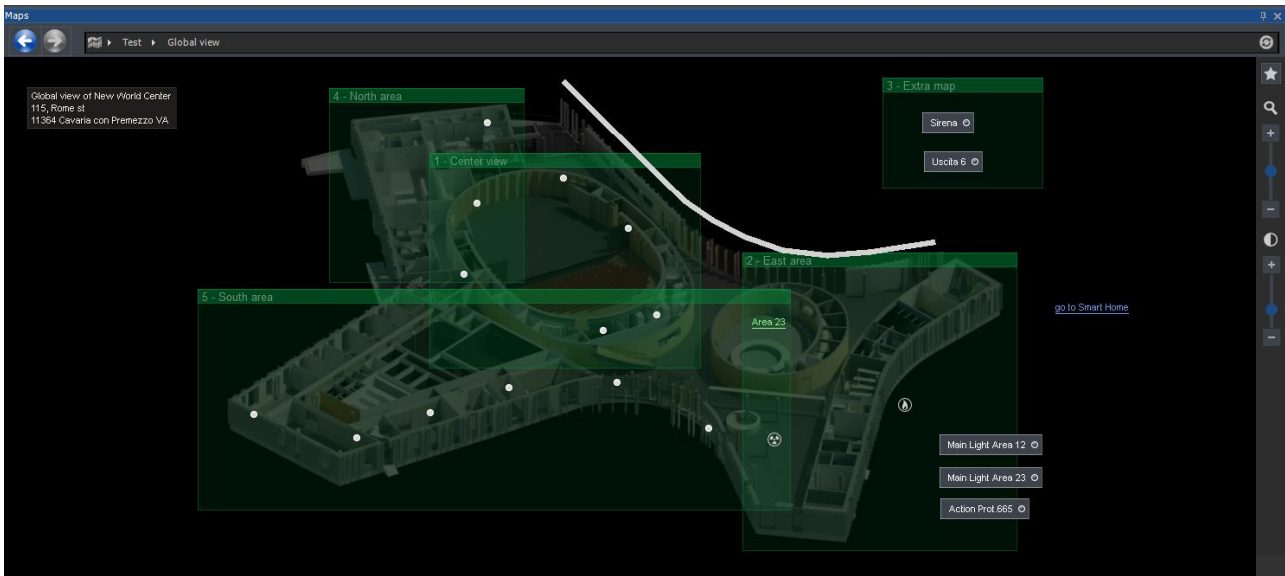
d. Set location zoom

When the map is added in the system it is possible to setup the start view of the map itself selecting the desired zoom and position level.

e. Set home map

Each map can be setup as “home map”, only one “home map” can be present.

2) Views management



For each map it is possible to create preset zoom views in order to have more “submaps” in the map. The operator can select manually the “submap” or the system can automatically zoom in case of event. It is possible to create more views and the system, in case of event, zoom to the closest and smallest view where the alarmed device is placed.

a. New views

Creation of a new view in the selected map. Each view must have a unique name.

b. Show views

All the views present are displayed (see image)

With right click on the maps tree it is possible to Delete, Rename or Redefine the view area

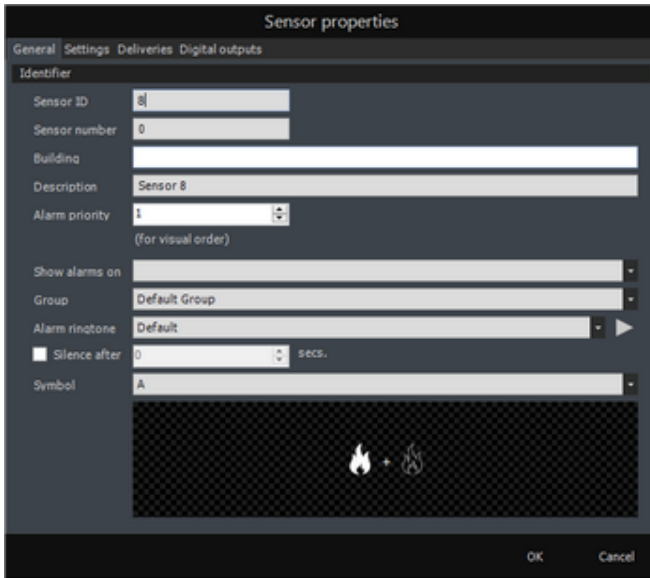
3) Objects management

The objects have to be added to the maps in the system in order to be tracked properly. A sensor not present in any map in case of alarm gives a generic alert to the system.

Each object can be placed only in one map, it is not possible to place the same sensor in different maps.

In case of multilayer maps (maps in maps) it is possible to create “macro area” that includes some or all sensors present in that area.

a. Sensors properties



Select the **Sensors** command, in the menu area
Click with the mouse positioning the Sensor icon on the map

Tab - ***General***

Sensor ID: Global ID in the system

Sensor Number: Sensor label

Building: Label

Description: Sensor description

Alarm Priority: Priority of the alarm

Shows alarm on: Select the Macro Area

Group: Select the group to which it belongs

Alarm ringtone: sound related to the event

Silence after: time to switch of the alarm sound

Symbol: Select the interactive icon to show on the map

Tab - ***Settings***

Device: device to which it is connected

Zone: zone to which it belongs

Tab - ***Deliveries***

Operator deliveries in case of “alarm”, “tamper” or “failure”.

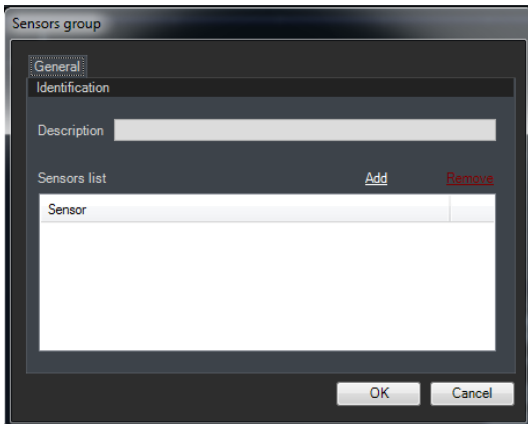
More deliveries (multilingual) can be added

It is possible to select, from the list, which delivery needs to be applied to each event

Tab – ***Digital Outputs***

Activation of digital output in case of event.

b. Sensors group



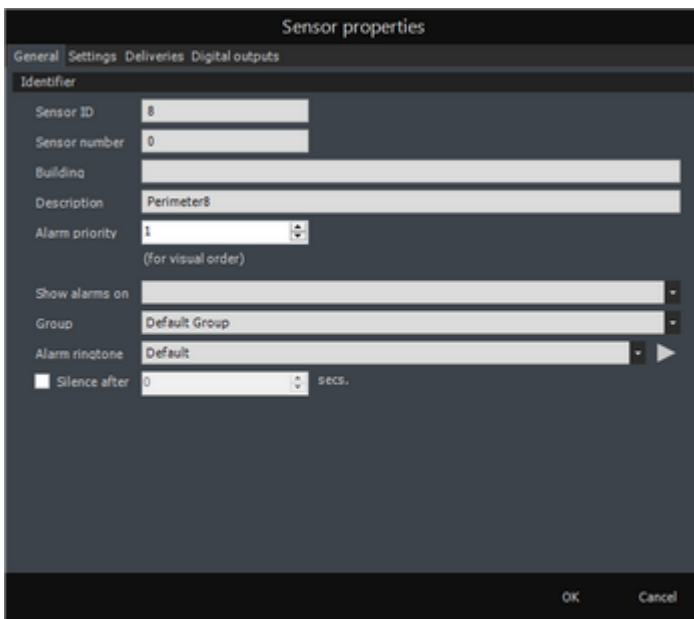
Select the **Sensors group** command, in the menu area
Click with the mouse positioning the Sensor icon on the map

Description: name of the sensor group

Add: sensors or parts to display as a single alarm

Remove: remove the selected sensor from the list

c. Perimetral track



Select the **Perimetral track** command, in the menu area

Click with the mouse to positioning the track icon on the map. Each click is a vertex of the track. “Esc” to enter in the track setup.

Sensor ID: Unique ID in the system

Sensor Number: Sensor label

Building: Label

Description: Sensor description

Alarm Priority: Priority of the alarm

Shows alarm on: Select the Macro Area

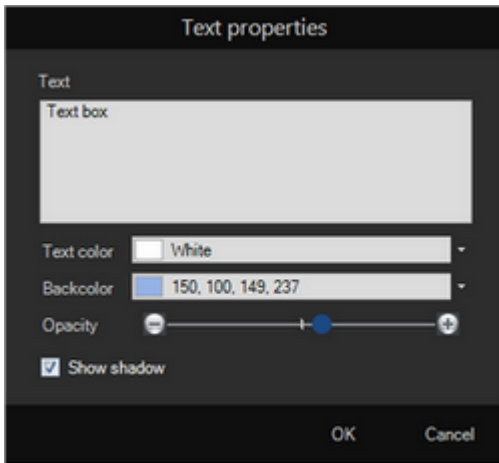
Group: Select the group to which it belongs

Alarm ringtone: sound related to the event

Silence after: time to switch of the alarm sound

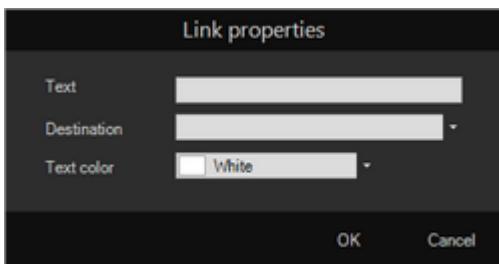
Refer to a) “Sensors properties” for Tab:
Settings
Deliveries
Digital outputs

d. Text



Select the **Text** command from the menu area.
Click in the position you want to add the text
Complete the related configuration box.

e. Links to maps



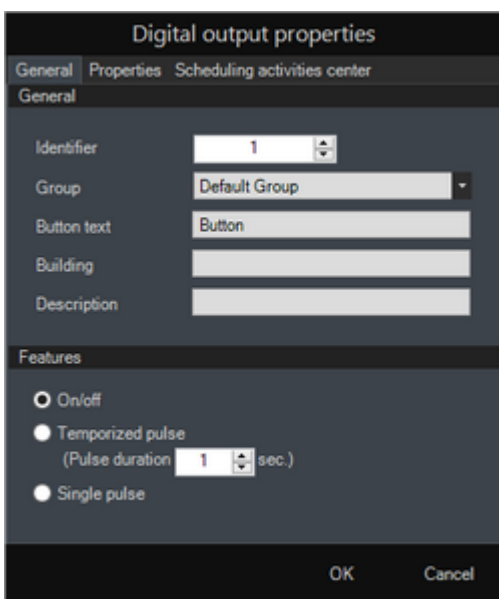
Select the **Link** command from the menu area.
Click on the map at the position where you want to add the link to another map

Text: Label of the link

Description: Select the map of destination (only map can be selected, not views)

Text Color: Select the text color

f. Digital outputs



Select the **Command** selection from the menu area.
Click on the map where you want to add the button

Button Text: Text displayed on the map

Group: Select the group to which it belongs

Identifier: Button ID

Building: button label description (max 10 ch)

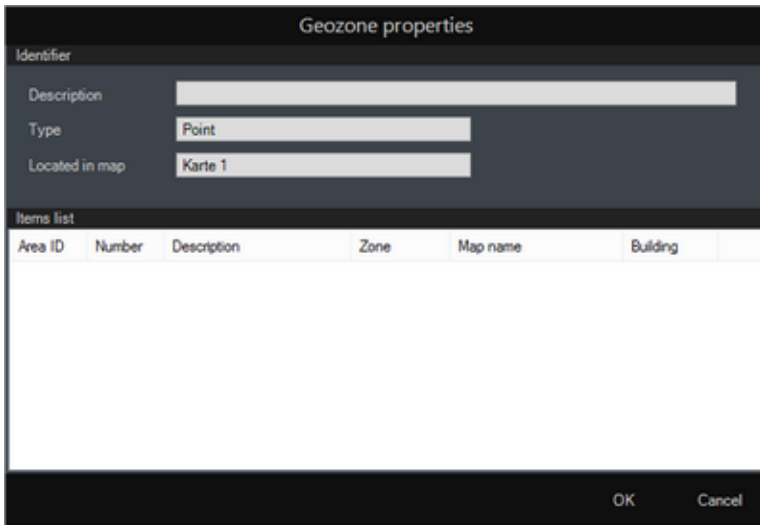
Description: Brief button description (max 10 ch)

On/Off: change status on each mouse click

Tempor. Pulse: Impulsive for a limited configured time

Pulse: follow the mouse click status

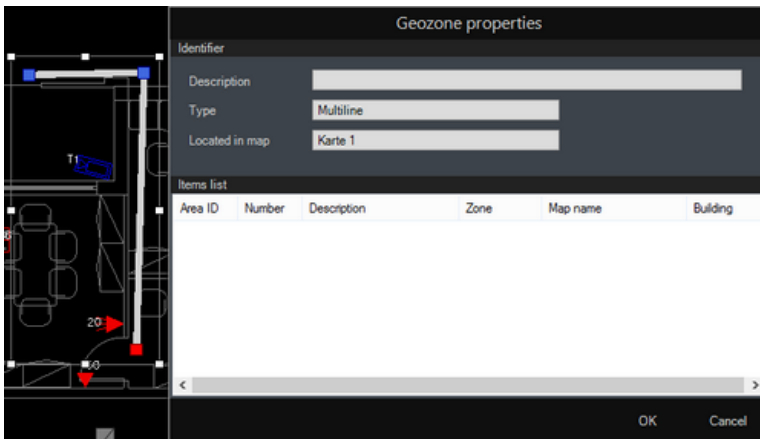
g. Macro area (points)



Select the Macro area (points) command
Click with the mouse to positioning the Macro Area icon on the map

Description: add the name of the Macro Area

h. Macro area (tracks)



Select the Macro area (tracks) command
Click with the mouse to positioning the Macro Area icon on the map

Description: add the name of the Macro Area

Design special features

Move objects between maps

This feature allows to move sensors between maps in order to optimize the setup process.

1. Choose "Selection" from the "insertable object" commands in Design tab
2. Select one or more resources/sensor on the map
3. Right click
4. Select "move..."
5. Move the selected items in another map
6. Adjust the scale with the mouse wheel
7. Press "Enter" to release the selected items

User Guide

Main window - Menu area (Browsing)

Browsing



1) User logged information

Information about the logged user.

2) Map view options

Home Map: short cut to view the configured home map

Default view: to select the default view of the displayed map

Show full map: to view the full map, in some cases the default view is the full map

3) Logs

Alarm log:

The screenshot shows the Alarm log panel with a table of events. The table has the following columns: Alarm type, Event type, Datetime, Building, Sensor number, Description, and Area name.

Alarm type	Event type	Datetime	Building	Sensor number	Description	Area name
Malfunction	Alarm	9/29/2015 - 9:45:17 AM		0	Topology room communication	System
Malfunction	Alarm	9/29/2015 - 9:45:14 AM		0	Network Node 1-12	System
Malfunction	Alarm	9/29/2015 - 9:44:20 AM		0	Communication	System

The alarm log panel can filter the event search by:

- Alarm type
- Event type
- Date/time
- Building
- Sensor number
- Description
- Area name
- Alarm Text
- Alarm message
- User name
- Acknowledge date/time
- Deliveries
- Deliv. closed
- Annotations

This log shows all the alarms/events tracked by Security Control.

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The screenshot shows the 'Alarm log' window with a search filter for 'Malfunction (3 items)'. The table displays the following data:

Event type	Date/time	Building	Sensor number	Area name	Alarm Text	Alarm message
Alarm	9/29/2015 - 9:44:20 AM		0	System		Fault
Alarm	9/29/2015 - 9:45:14 AM		0	System		Missing

Search result: 3 items

Advanced search tools are included in this panel to help the user to find any specific alarm/event. The search results can be exported in excel file or printed in a pdf file or directly to a printer. The selection of the event in the filtered list shows all the details, operator deliveries included.

Event log:

The screenshot shows the 'System-events log' window with a list of events. The table displays the following data:

Event description	Date/time	Username
User login	9/29/2015 - 10:22:23 AM	administrator
Application closed	9/29/2015 - 10:22:17 AM	administrator
User login	9/29/2015 - 10:22:04 AM	administrator
Application closed	9/29/2015 - 10:21:42 AM	administrator
User login	9/29/2015 - 9:49:28 AM	administrator
Application closed	9/29/2015 - 9:49:22 AM	administrator
User login	9/29/2015 - 9:47:34 AM	administrator
Application closed	9/22/2015 - 11:17:13 AM	administrator
Custom action request for sensor 5: Bypass off	9/22/2015 - 10:55:10 AM	administrator
Custom action request for sensor 3: Bypass off	9/22/2015 - 10:55:06 AM	administrator
Custom action request for sensor 4: Active uscite off	9/22/2015 - 10:55:03 AM	administrator
Custom action request for sensor 4: Active uscite on	9/22/2015 - 10:54:56 AM	administrator
Custom action request for sensor 2: Ripristina	9/22/2015 - 10:54:25 AM	administrator
Custom action request for sensor 3: Bypass on	9/22/2015 - 10:52:37 AM	administrator
Custom action request for sensor 5: Bypass on	9/22/2015 - 10:52:34 AM	administrator
User login	9/22/2015 - 10:42:01 AM	administrator
Application closed	9/21/2015 - 3:39:34 PM	administrator
Custom action request for sensor 2: Ripristina	9/21/2015 - 12:49:33 PM	administrator
Custom action request for sensor 2: Ripristina	9/21/2015 - 11:17:38 AM	administrator
Custom action request for sensor 4: Active uscite off	9/21/2015 - 11:17:23 AM	administrator
Custom action request for sensor 5: Active uscite off	9/21/2015 - 11:17:08 AM	administrator
Custom action request for sensor 3: Active uscite off	9/21/2015 - 11:17:04 AM	administrator

All the system events activities are tracked and displayed in this module.

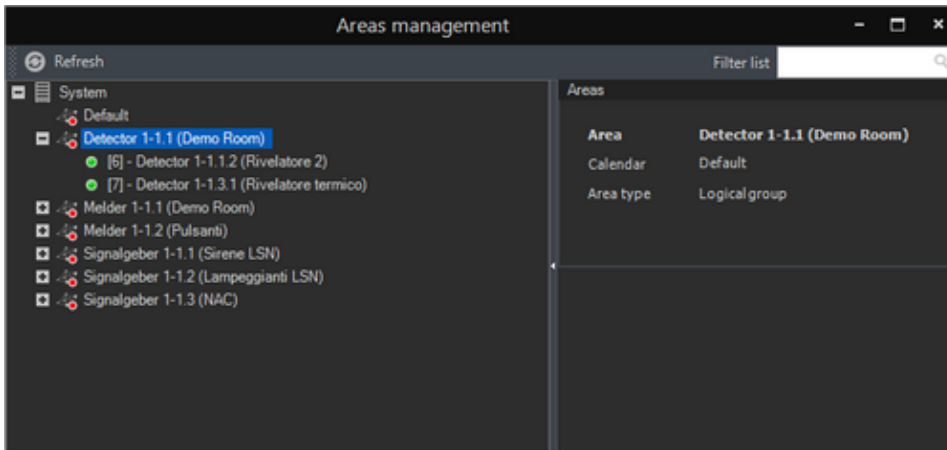
Advanced search tools are included in this panel to help the user to find any specific alarm/event.

It is possible to filter by:

- Event Description
- Date/time
- User

The search results can be exported in excel file.

4) Areas management



The user can view the area's main characteristics and in case permitted turn it on/off. The system sends the command and wait for the panel answer.

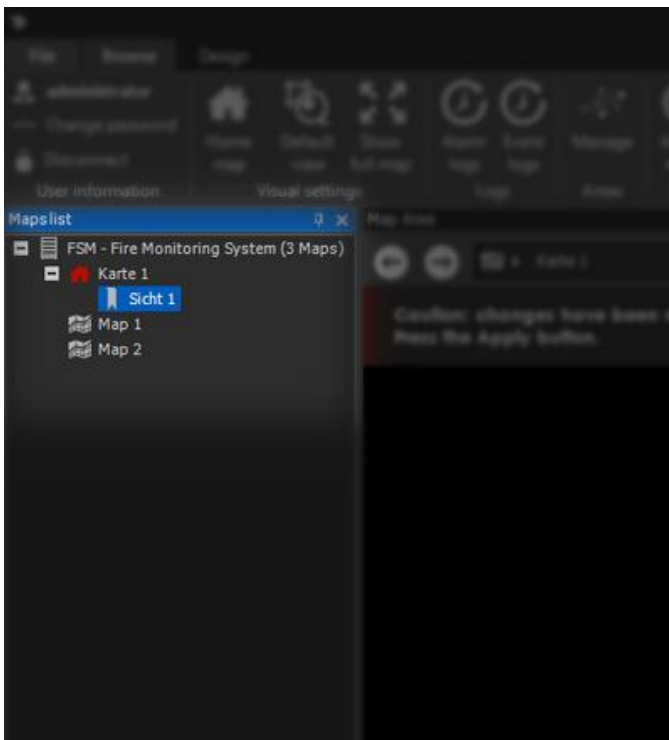
5) Alarms status overview

Alarm status: it shows the objects status filtered by areas, schedule etc, only when the alarm panel is armed.

Actual status: It shows the real status of the object (active, alarmed, etc) even if the alarm panel is not armed.

Specific drivers could add new overviews more than Alarm and Actual status.

Main window - Maps tree



Interactive Maps's tree.

Here is present the list of the selectable maps, depending on the user rights.

Maps and views can be selected directly by the user to be shown in the Current Map window.

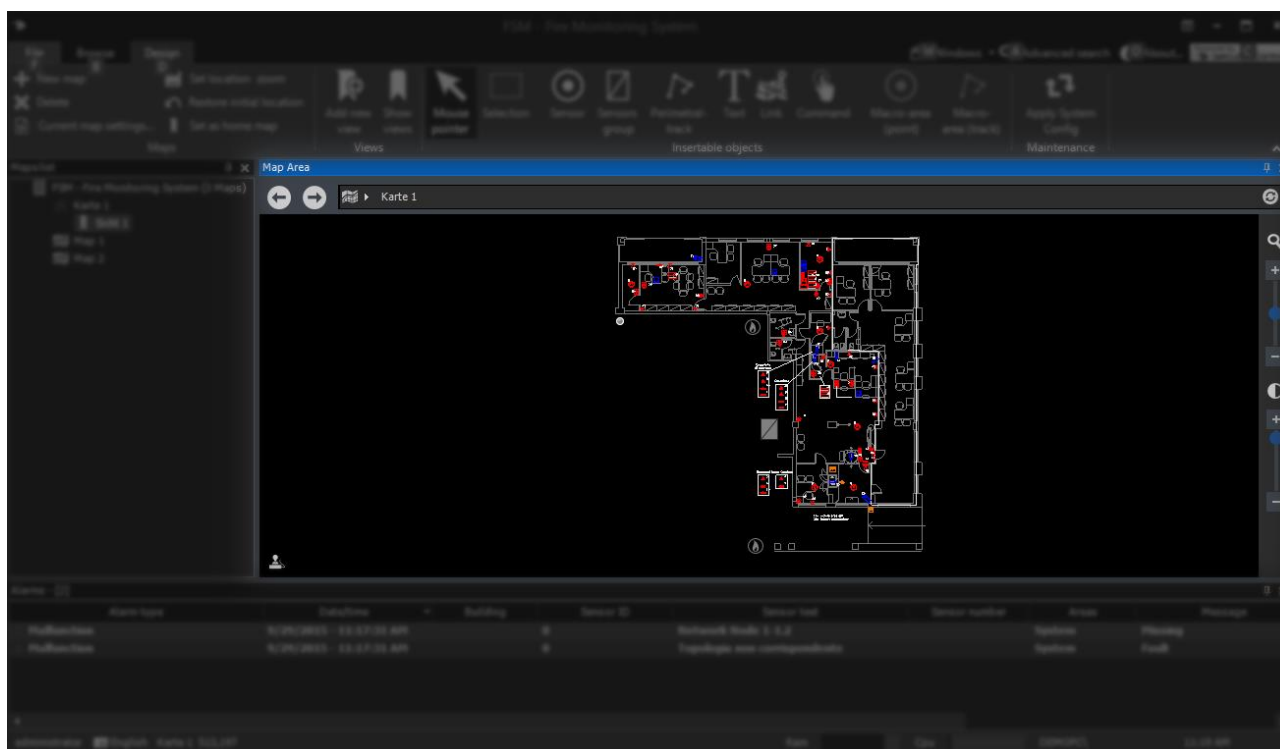
The shown map is highlighted.

Main window - Active alarms and system alerts

Alarm type	Date/Time	Building	Sensor ID	Sensor text	Sensor number	Zone	Message
Technical	04/12/2015		80	Net I/O V2 01.000.011.AAB.9E3 [3]	Dea1	Default	
Technical	04/03/2015		76	Net I/O V2 01.000.011.AAB.9E3 [7]	Dea1	Default	
Technical	02/07/2015		77	Net I/O V2 01.000.011.AAB.9E3 [4]	Dea1	Default	
Technical	01/30/2015		67	Net I/O V2 01.000.011.AAB.9E3 [3]	Dea1	Default	
Net interface failure	05/29/2015	P104	0	Int Sic 01		System	
Net interface failure	05/29/2015		0	ModBus1s		System	
Net interface failure	05/29/2015	asd	0	MB2		System	

A list of the actual events is displayed. In bold the events not yet managed.

Main window - Current map



The current map shows the selected map with the objects status.

Each object has “Alarm status” and “Actual status”:

“Alarm status”, shows the icon status only in case of the system is armed;

“Actual status”, shows the icon physical status.

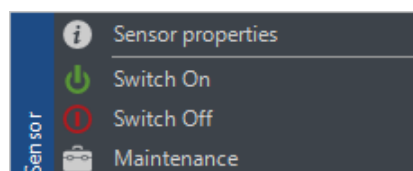
The user can manually select the desired Map or View from the Maps tree.

In automatic mode, when the operator manages the incoming alarm, if the logged operator has the rights, the map with the sensor appears with the status of the alarmed objects

The operator can interact with the displayed map, pan (click and move) and zoom in/out (mouse wheel).

The operator with the proper rights can manage directly the objects present on the map:

Select the object



Example:

Open a selection menu with a right click on the object/device. The menu will show commands enabled for that specific object/device.



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