

SGSE

Soluciones Globales de Seguridad Electrónica

ARITECH MONITOR

Installation Manual

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1. Document versions

| Version | Date | Author | Description |
|----------------|-------------|---------------|-------------------------|
| 1.0 | 1/2024 | CLL | First version |
| 1.1 | 1/2024 | JCR | Addition of information |
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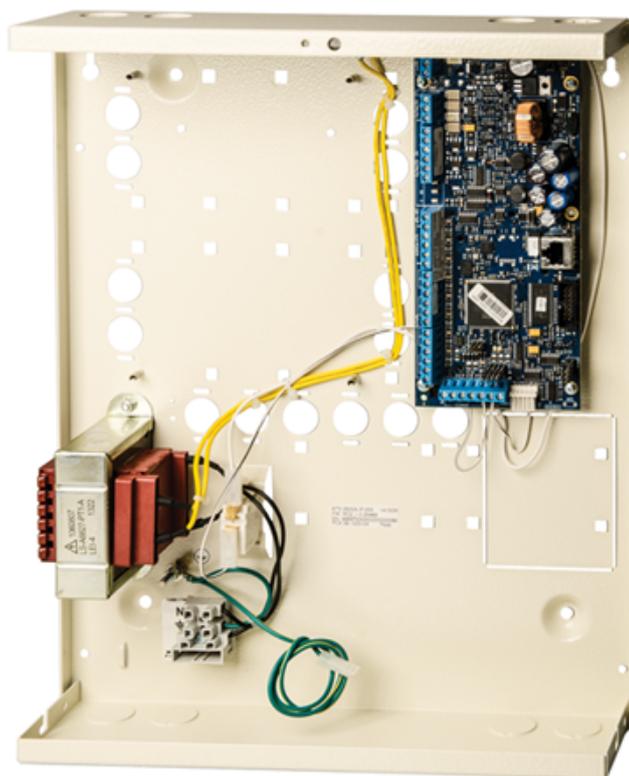
2. Introduction

The Aritech Monitor Plug-in for XProtect sends commands and notifications about events to the Aritech Panels and receives this information from these panels.

This plug-in also enables commands to be sent from the XProtect Smart Client application to the Aritech panel. Additionally, it monitors events within the Aritech panel closely and sends notifications about these events to XProtect. The user can configure alarms for these events in the XProtect Management Client.

The plug-in has been tested with the following panels:

- "ATS4500AIP"



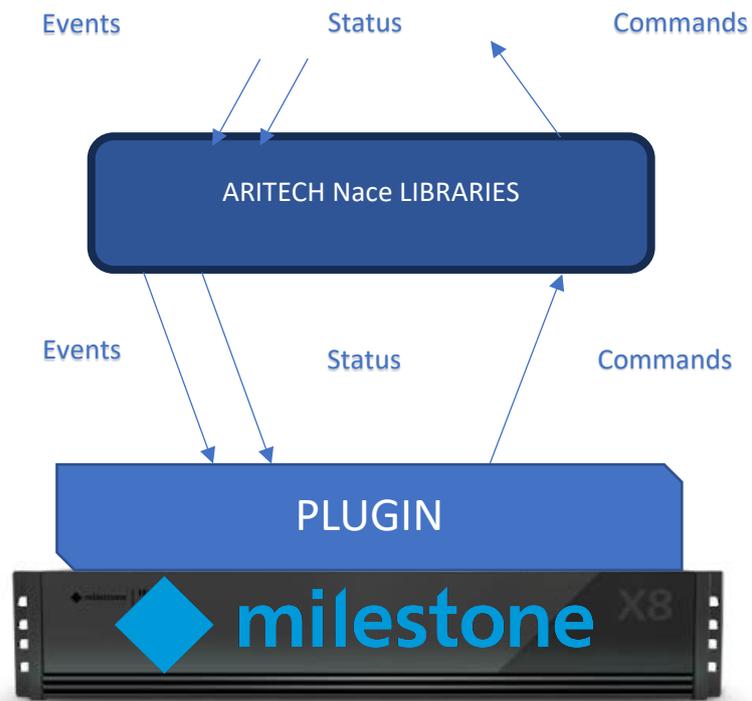
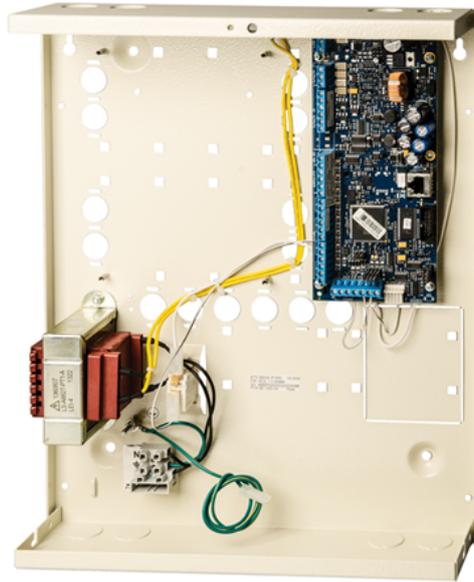
3. Architecture

The plug-in and the Aritech Panels communicate directly with each other through the TCP/IP protocol using the Aritech NAcE libraries.

The table below lists the ATS Advanced and ATS Master family of panels as well as the supported firmware versions.

| ATS ADVANCED PANELS | | |
|--|--|--|
| ATS1000A AND ATS2000A SERIES SUPPORTED FIRMWARE VERSIONS | | |
| ATS1000/2000A_MR_003.003.xxx | ATS1000/2000AIP_MR_012.012.xxx | ATS1000/2000AIP_MR_026.026.xxx |
| ATS1000/2000A_MR_005.005.xxx | ATS1000/2000AIP_MR_013.013.xxx | ATS1000/2000AIP_MR_027.027.xxx |
| ATS1000/2000A_MR_008.008.xxx | ATS1000/2000AIP_MR_017.017.xxx | ATS1000/2000AIP_MR_028.028.xxx |
| ATS1000/2000A_MR_010.010.xxx | ATS1000/2000AIP_MR_019.019.xxx | ATS2000/2000AIPC_MR_023.023.xxx |
| ATS1000/2000A_MR_012.012.xxx | ATS1000/2000AIP_MR_020.020.xxx | ATS2000/2000AIPC_MR_024.024.xxx |
| ATS1000/2000A_MR_013.013.xxx | ATS1000/2000AIP_MR_021.021.xxx | ATS2000/2000AIPC_MR_025.025.xxx |
| ATS1000/2000A_MR_017.017.xxx | ATS1000/2000AC_MR_022.022.xxx | ATS1000/2000AIPC_MR_026.026.xxx |
| ATS1000/2000A_MR_019.019.xxx | ATS2000/2000AIP_MR_023.023.xxx | ATS1000/2000AIPC_MR_027.027.xxx |
| ATS1000/2000A_MR_020.020.xxx | ATS2000/2000AIP_MR_024.024.xxx | ATS1000/2000AIPC_MR_028.028.xxx |
| ATS1000/2000A_MR_021.021.xxx | ATS2000/2000AIP_MR_025.025.xxx | ATS2000/2000AIPC_MR_022.022.xxx |
| ATS1000/2000AIP_MR_010.010.xxx | | |
| ATS3500A SERIES SUPPORTED FIRMWARE VERSIONS | | |
| ATS3500AIP_MR_1.0.26851 | ATS1500/3500/4500AIP_MR_4.1.xxx | ATS1500/3500/4500AIP_MR_4.5.xxx |
| ATS1500/3500/4500AIP_MR_2.0.xxx | ATS1500/3500/4500AIP_MR_4.2.xxx | ATS1500/3500/4500AIP_MR_4.6.xxx |
| ATS1500/3500/4500AIP_MR_2.1.xxx | ATS1500/3500/4500AIP_MR_4.3.xxx | ATS1500/3500/4500AIP_MR_4.7.xxx |
| ATS1500/3500/4500AIP_MR_3.0.xxx | ATS1500/3500/4500AIP_MR_4.4.xxx | ATS1500/3500/4500AIP_MR_4.8.xxx |
| ATS1500/3500/4500AIP_MR_4.0.xxx | | |
| ATS MASTER PANELS AND SUPPORTED FIRMWARE VERSIONS | | |
| ATS4000/ATS3000/ATS2000/ATS1000 04.11.xx | ATS4000/ATS3000/ATS2000/ATS1000 04.10.xx | ATS4000/ATS3000/ATS2000/ATS1000 04.09.xx |

The plug-in can send commands to the panels, areas, zones, keypads, expansion modules and outputs. Some examples of these commands are arm, disarm and isolate. It also regularly reads the status of the panels, areas and zones. For example, it flags up when an alarm has gone off or there is a malfunction in a zone. Finally, depending on its configuration, the plug-in sends notifications about these events to XProtect and then displays the status of the panel, area or zone on a plan in XProtect Smart Client.

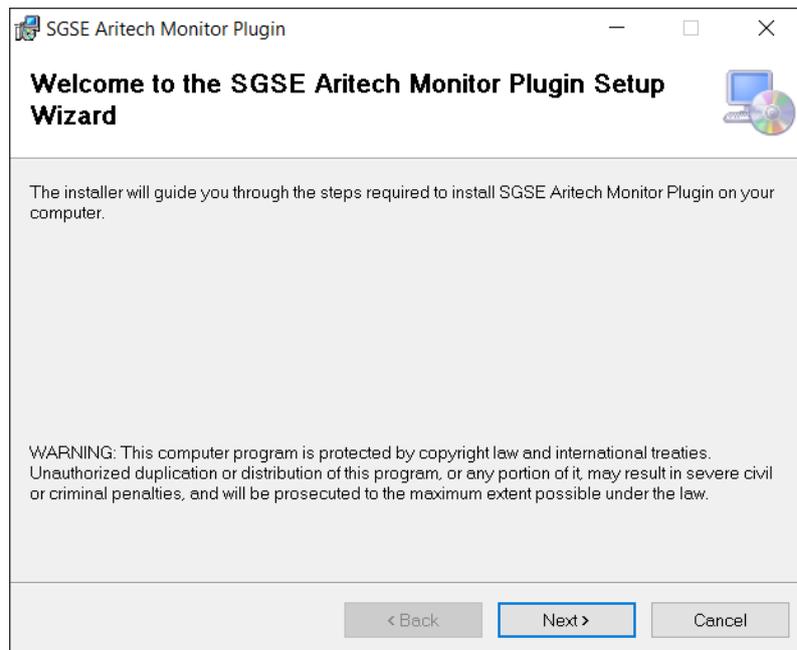


Given the nature of this configuration architecture, the XProtect server needs to have direct access to the panel via the network so that communication can take place.

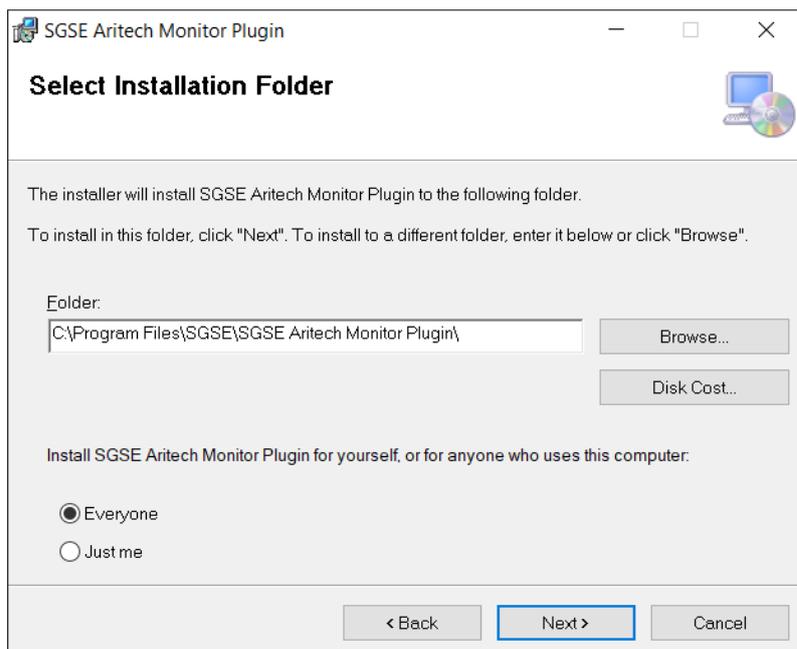
4. Installation

The installation of the plug-in is very straightforward: all you need to do is run the "AritechMonitorPlugin.msi" file and follow the instructions that appear in the dialog boxes.

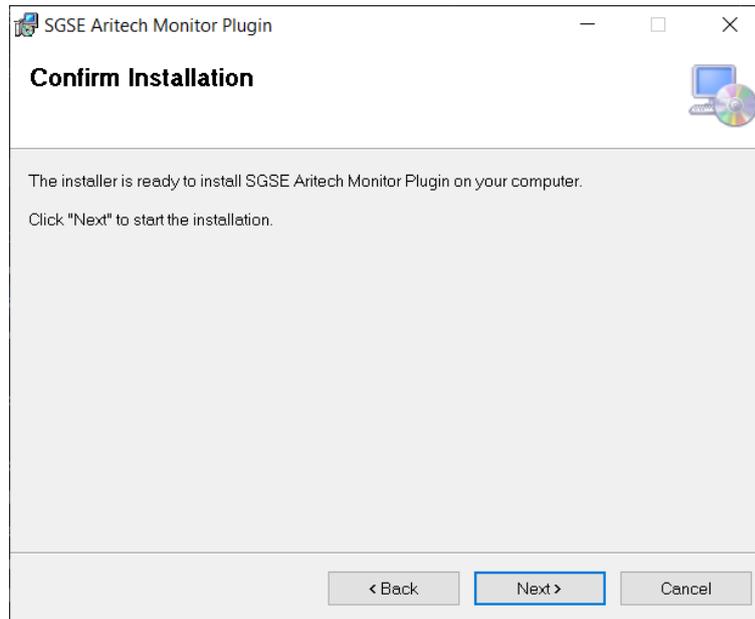
Click "Next>" in the first dialog box that appears.



In the second dialog box, select the folder where you would like the Aritech Monitor Plug-in to be installed. You can also choose whether the plug-in will be installed for the current user only or for all users. Click "Next>" to continue.



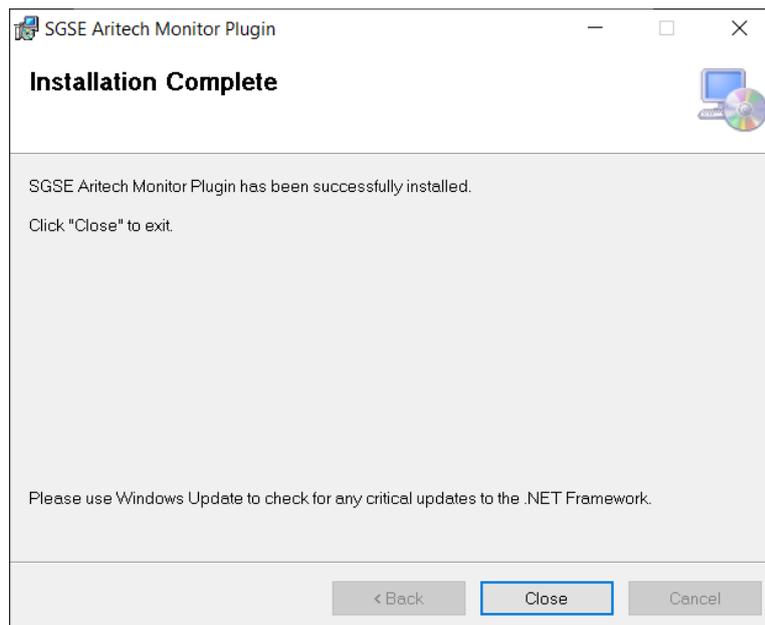
Click "Next>" to start the installation.



The installer will ask whether you wish to install the plug-in with administrator permissions. There is no screenshot to demonstrate this so the client will need to add this to the document.

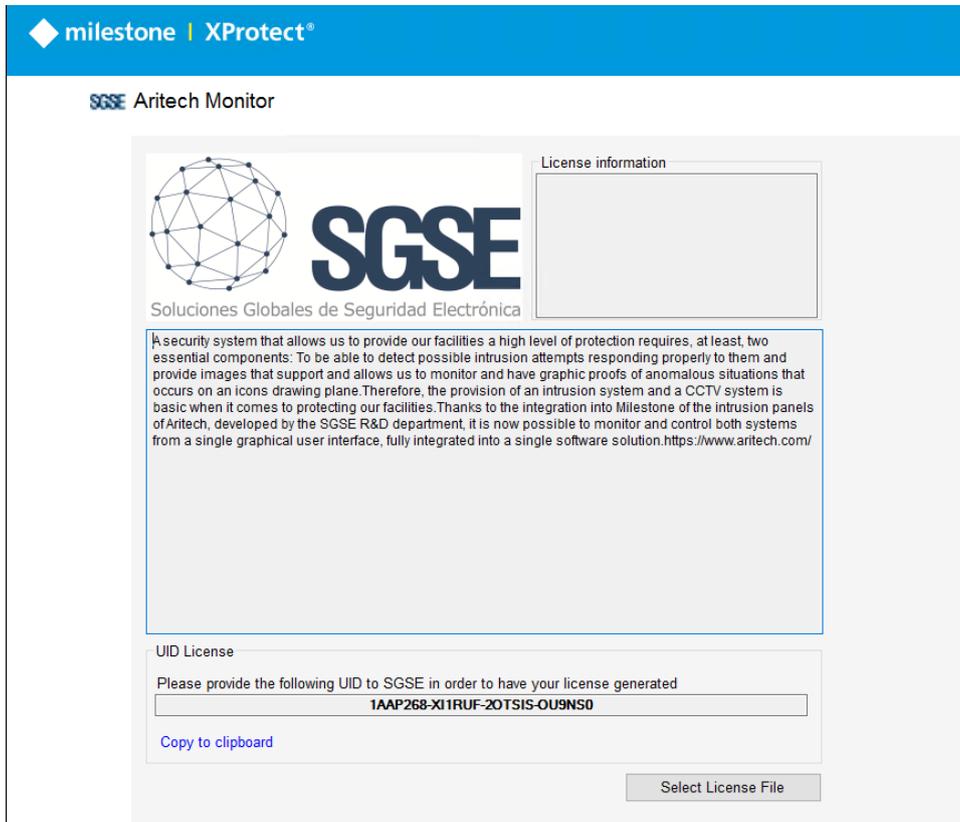
You will need to click on "Accept" to continue with the installation. A progress bar will show how much of the installation has been completed. There is no screenshot to demonstrate this so the client will need to add this to the document.

Once the installation is complete, the dialog box below will be displayed:

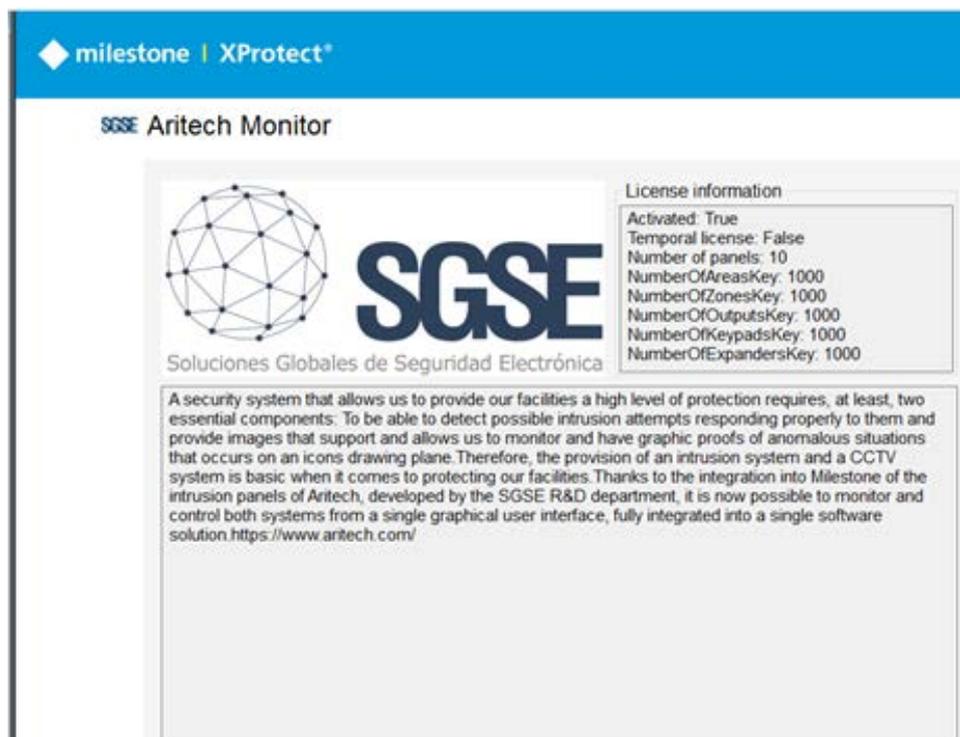


You will need to click on "Close". The plug-in will now be installed on your system.

If the plug-in was installed correctly, the XProtect Management Client will display the dialog box below:



You will need to submit the UID code to SGSE so that the corresponding licence can be sent to you. Once the licence has been installed, the plug-in will be ready to use:



5. Configuration

ARITECH Panel Configuration

The ARITECH desktop configuration application will need to be used for the configuration of the panels. This application will also need to be used for the configuration of the areas and the linking of the relevant zones. This application can be downloaded using the link below:

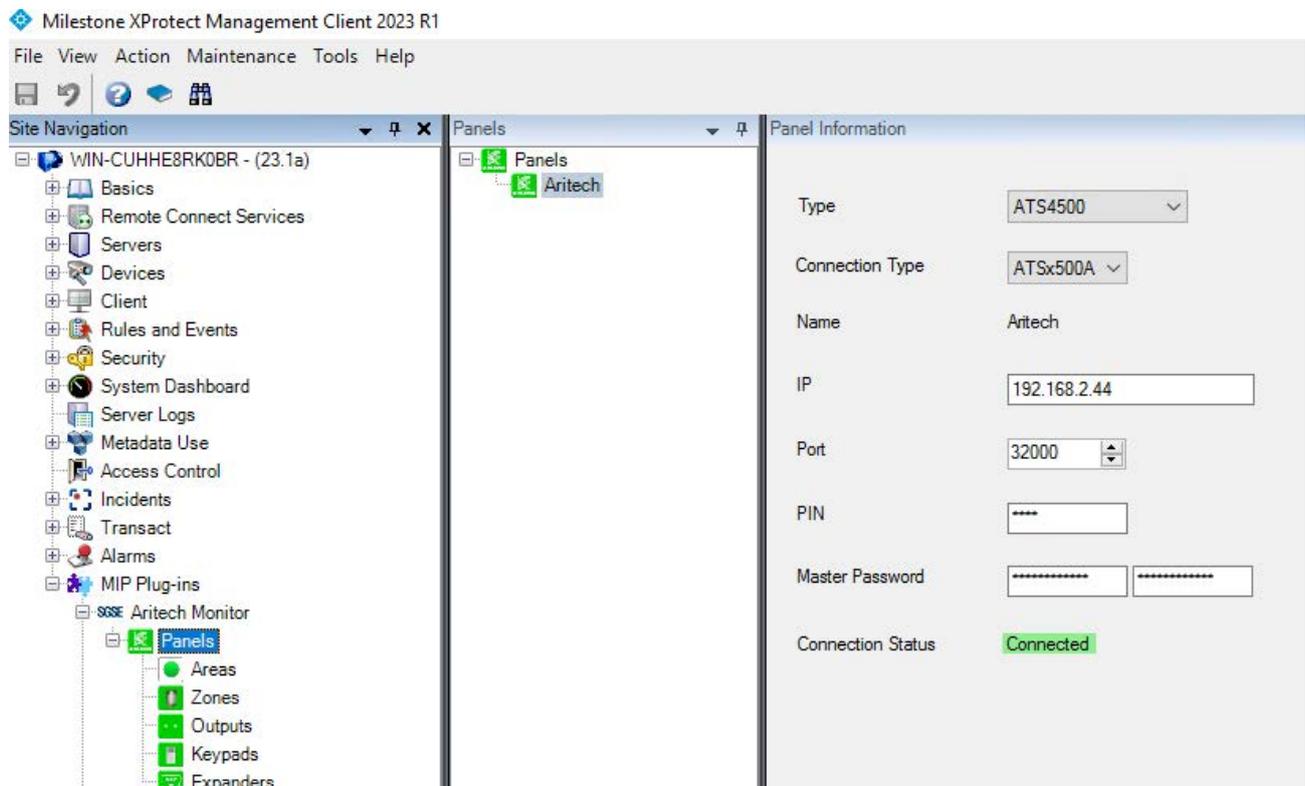
<https://uk.firesecurityproducts.com/en/products/intrusion/intrusion-software>

Configuration in XProtect

There is hardly any configuration work to do within the plug-in as it reads all the information on the existing areas and zones itself and configures XProtect accordingly.

Panel configuration

To register a new panel, right-click on the "Panels" node and select "Add new".



In the panel configuration interface, the following information will need to be entered: the panel type, the connection type, the IP address of the panel, the port, the PIN for the designated "installer" user of the panel, and the master password, which has two separate parts consisting of 12 characters each.

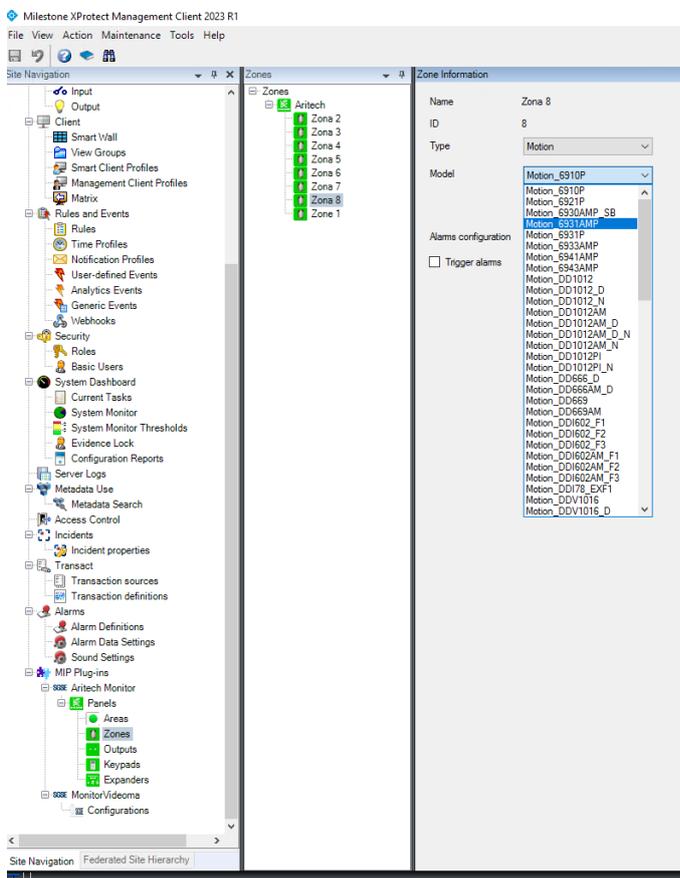
The plug-in will establish a connection with the Aritech panel and download the panel elements automatically. These elements, which consist of areas, zones, outputs, keypads and expansion modules, will be registered with their corresponding names as they appear in the panel. A list of all the devices and configurations for the elements associated with the panel will appear in XProtect Management Client automatically.

Configuration of elements: zones, keypads and expansion modules

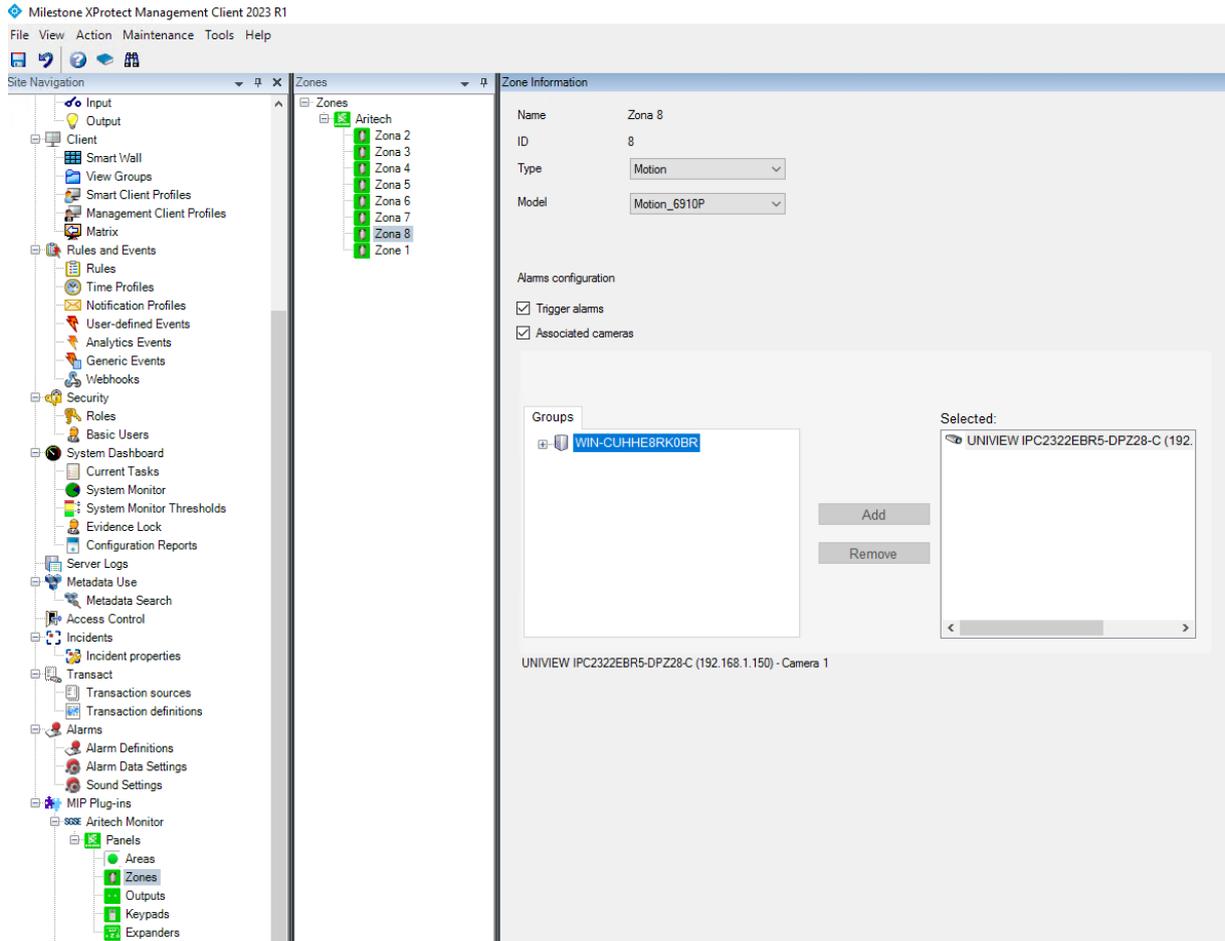
The information on the zones will be pulled from the panel automatically. The type of zone can be selected based on the nature of the sensor, more specifically, whether it is a motion, perimeter, glass breakage, seismic or smoke detector, within it in the Management Client.

The detector model can also be selected from the Aritech range of detectors to display a customised icon with an image of that particular model.

The elements that make up the software solution can be customised in line with their model in the Management Client, and these elements will be displayed in the Smart Client plans. For example, you can choose the icon for a device connected to the zone you have selected by going to Mip Plug-ins> Aritech Monitor >Panels >Zones and selecting the zone to which the icon you wish to change is connected. Due to the wide range of icons available, there are several types of icon to choose from, namely motion, perimeter, glass breakage, seismic or smoke detector. Once the icon type has been selected, you can then proceed to choose the icon you wish to represent the connected device. This process can be repeated for the zones, keypads and expansion modules.



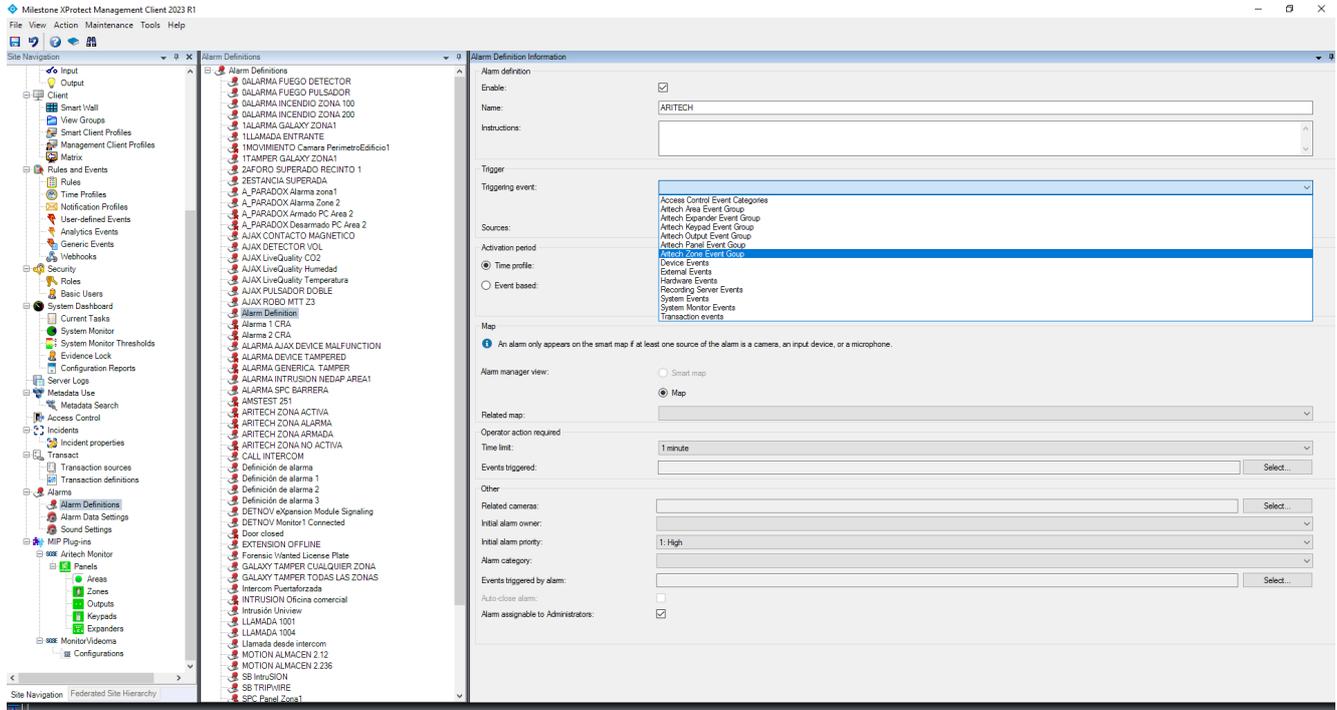
Additionally, you can choose whether the alarms will be set off automatically in XProtect when the zone goes into alarm status in the panel. You can also select any associated cameras so that their footage can be linked to the zone alarms in XProtect automatically.



The icons for the keypads and expansion modules can be customised in a similar way based on their model.

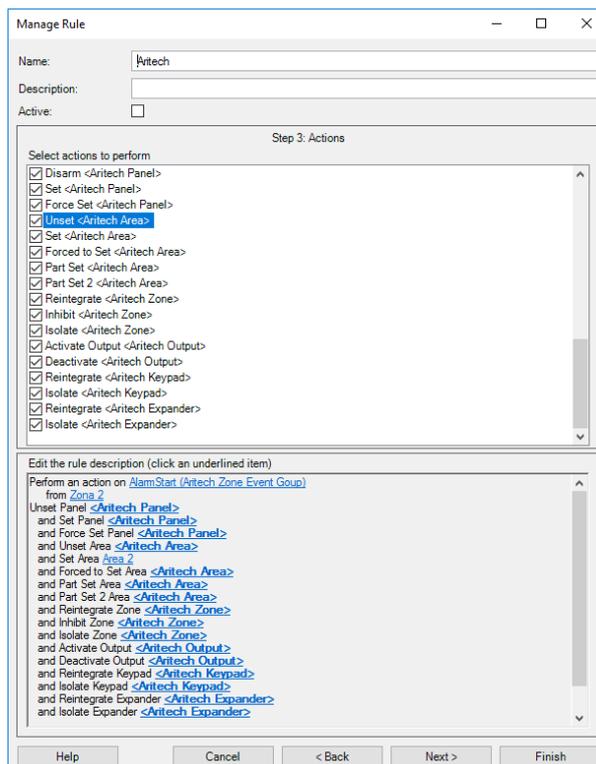
Alarms in XProtect

After the installation has been completed, you can view additional events in the XProtect Management Client. This consists of a list of panel, area, zone, output, keypad and expansion module Aritech events that are read by the plug-in and sent to XProtect. Alarms associated with these events can be configured.

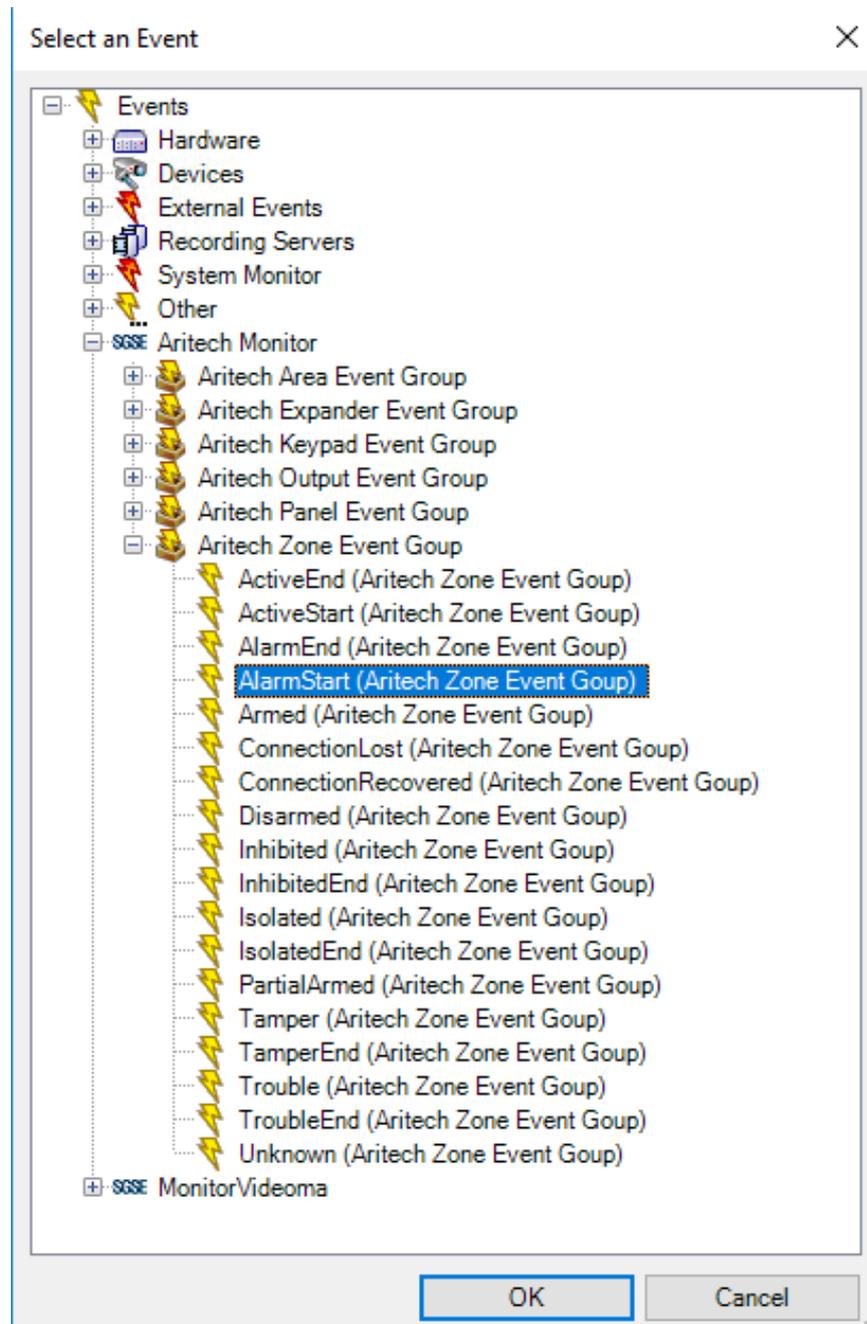


Rules in XProtect

You can also configure the actions you wish to be carried out on the panel:



And/or link panel events to specific rules:



User roles

In some facilities, you may want some users to have the permissions to carry out more actions on the devices within this software integration than others, and you may wish to make this dependent on their roles. It is now possible to implement this thanks to the integration solution developed by SGSE.

Milestone XProtect Management Client 2023 R1

File View Action Maintenance Tools Help

Site Navigation

- Input
- Output
- Client
 - Smart Wall
 - View Groups
 - Smart Client Profiles
 - Management Client Profiles
 - Matrix
- Rules and Events
 - Rules
 - Time Profiles
 - Notification Profiles
 - User-defined Events
 - Analytics Events
 - Generic Events
- Webhooks
- Security
 - Roles**
 - Basic Users
- System Dashboard
 - Current Tasks
 - System Monitor
 - System Monitor Thresholds
 - Evidence Lock
 - Configuration Reports
- Server Logs
- Metadata Use
 - Metadata Search
- Access Control
- Incidents
 - Incident properties
- Transact
 - Transaction sources
 - Transaction definitions
- Alarms
 - Alarm Definitions
 - Alarm Data Settings
 - Sound Settings
- MIP Plug-ins
 - Artech Monitor
 - Panels
 - Areas
 - Zones
 - Outputs
 - Keypads
 - Expanders
 - Monitor/Videoma
 - Configurations

Roles

| Name |
|---|
| Administrators (Administrators have co |
| Operador (Operador sin privilegios de a |
| Test 3 |
| Test1 |
| Test2 |

Role Settings

MIP configurations

- Artech Monitor
 - Panels
 - Artech
 - Areas
 - Zones
 - Zona 2
 - Zona 3
 - Zona 4
 - Zona 5
 - Zona 6
 - Zona 7
 - Zona 8
 - Zona 1
 - Outputs
 - Keypads
 - Expanders
- Dashboard
- Monitor/Videoma

Security settings for: Zona 2

Read

Write

Site Navigation Federated Site Hierarchy

External IDP Overall Security Device PTZ Speech Remote R

6. Operation

XProtect Smart Client

The plug-in automatically pulls all the information on the areas and zones associated with the panels that have been registered so they can be managed in the Management Client through the integration solution.

All items will be available to be dragged onto the plan. They will have the same name that was assigned to them by the Aritech configuration application.

The operator can send commands to:

- a) The panel itself
- b) The areas
- c) The zones
- d) The outputs
- e) The keypads
- f) The expansion modules

Right-click on a plan icon and the system will display the commands available for the selected item.

- a) Panel
 - The following commands are available for the Panel:
 - Set
 - Forced to set
 - Unset



b) Area

The following commands are available for each area:

- Set
- Forced to set
- Partially Set 1
- Partially Set 2
- Unset



c) Zone

The following commands are available for each zone:

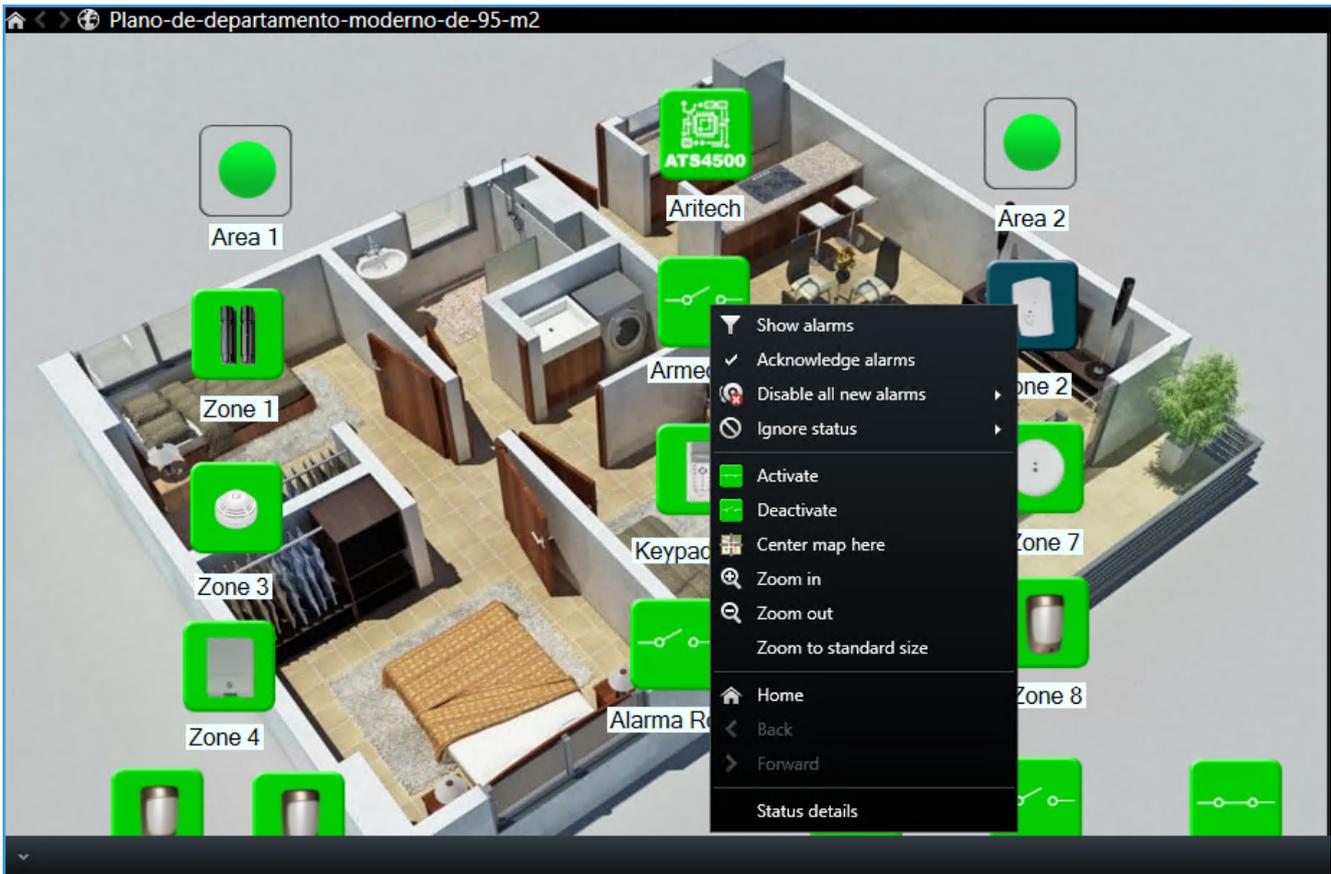
- Inhibit
- Isolate
- Reset



d) Output

The following commands are available for each output:

- Activate
- Deactivate



e) Keypad

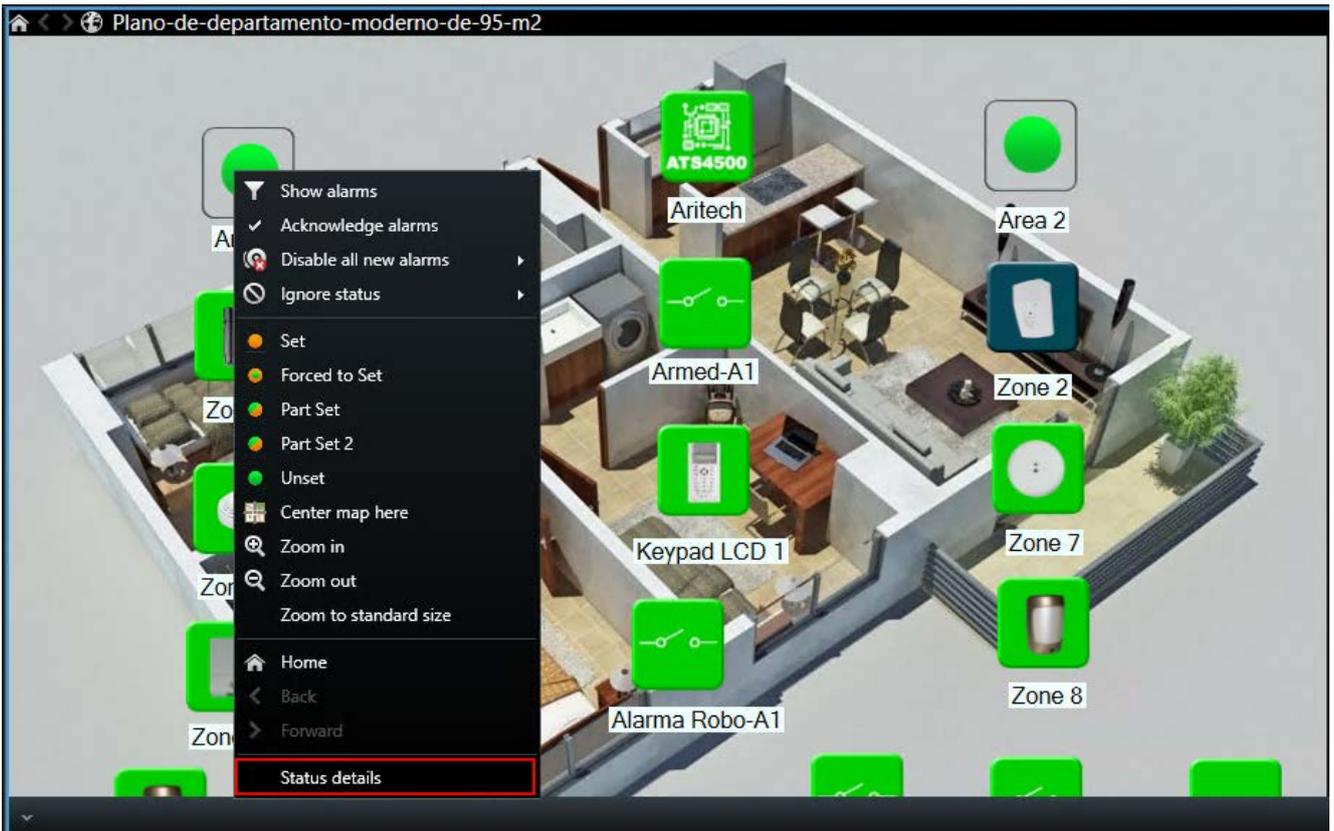
The following commands are available for each keypad:

- Isolate
- Reset

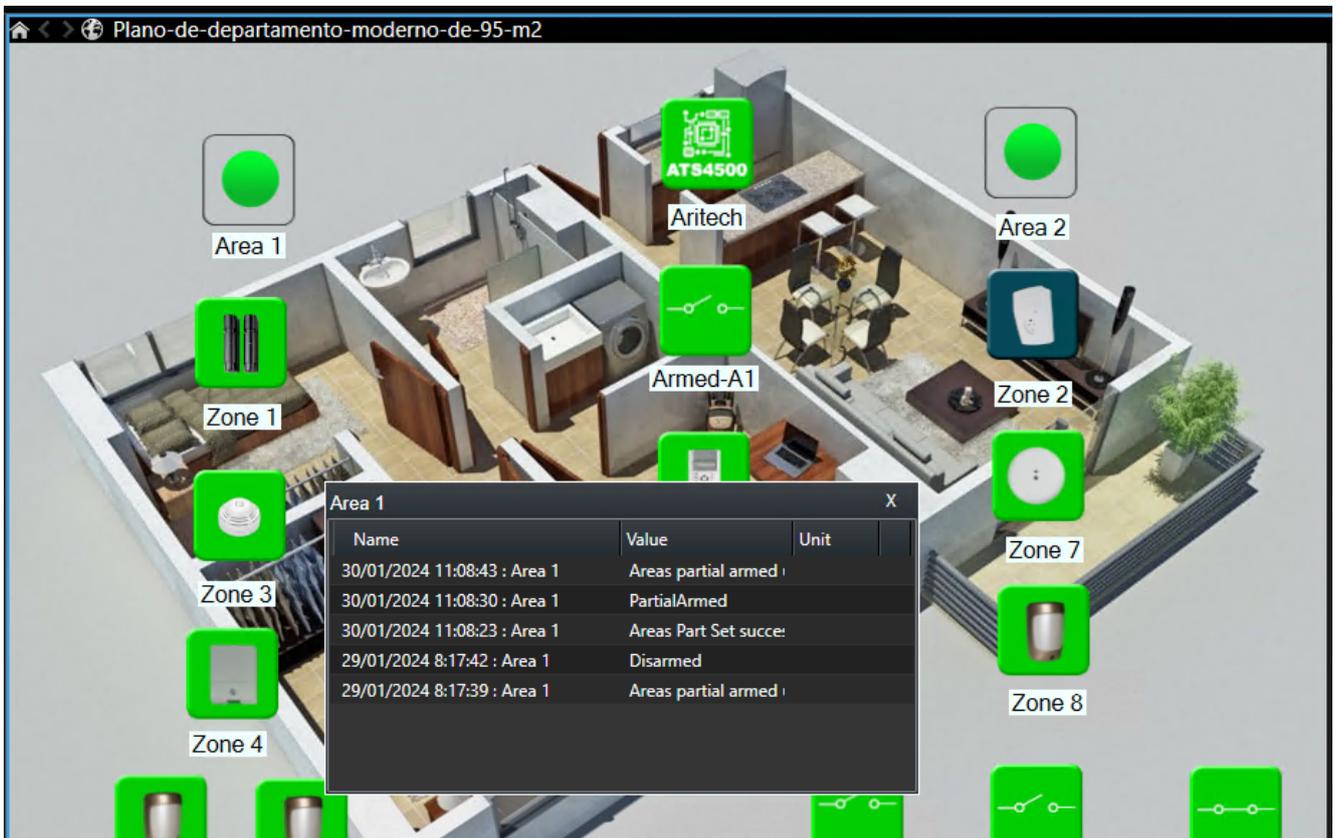


Status details

There is a new feature ('status details') available. If you hover over an element, such as a panel, zone, area or expansion module, and right-click on it, a pop-up menu will appear from which the 'status details' function can be selected.



If you click on 'status details', a window will appear that contains specific information on the latest events that have occurred in the selected item.



Status of the elements

| Item | Status | Icon |
|-------------|-------------------|---|
| Panel | Normal |  |
| | Set |  |
| | Partially set |  |
| | Alarmed |  |
| | Waiting to be set |  |
| | Unknown |  |
| Group | Normal |  |
| | Set |  |
| | Forced to set |  |
| | Partially set |  |
| | Alarmed |  |
| | Sabotaged |  |
| | Malfunction |  |
| | Waiting to be set |  |
| | Unknown |  |
| | Device | Normal |
| Active | |  |
| Set | |  |
| Alarmed | |  |
| Inhibited | |  |
| Isolated | |  |
| Sabotaged | |  |
| Malfunction | |  |
| Unknown | |  |

| | | |
|------------------|-------------|---|
| Output | Deactivated |  |
| | Activated |  |
| | Unknown |  |
| Keypad | Normal |  |
| | Isolated |  |
| | Alarmed |  |
| | Sabotaged |  |
| | Malfunction |  |
| | Unknown |  |
| Expansion module | Normal |  |
| | Alarmed |  |
| | Isolated |  |
| | Sabotaged |  |
| | Malfunction |  |
| | Unknown |  |

7. Troubleshooting

The plug-in specific log files are located in the "C:\ProgramData\SGSE\AritechMonitor\Logs" file.

- The status of one of the panels and that of its areas and zones is unknown.

Check that the XProtect server is connected to the panel.

- The command language for the elements in the Smart Client plans needs to be changed.

Open "C:\Program Files\Milestone\MIPPlugins\AritechMonitor\AritechMonitor.dll.config" file in edit mode and change the language value to the one required.

```
<?xml version="1.0" encoding="utf-8" ?>
<configuration>
  <appSettings>
    <add key="BackgroundLanguage" value="es-ES" />
  </appSettings>
</configuration>
```

The languages that are currently available are Spanish (es-ES), English (en-EN), French (fr-FR), Italian (it-IT) and Dutch (nl-NL).



Despliega tus integraciones de intrusión de la mano de SGSE

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