

# VTrack

## Milestone integration

### basic steps

# VTrack / Milestone Integration – Configuration steps

This integration allows Milestone to receive **events**, **events images** and informations (in the form of **metadata**) directly from VTrack.

It is possible to send **alarms** to any XProtect version, while the **metadata feature is supported only by the versions Corporate, Expert and Professional Plus.**

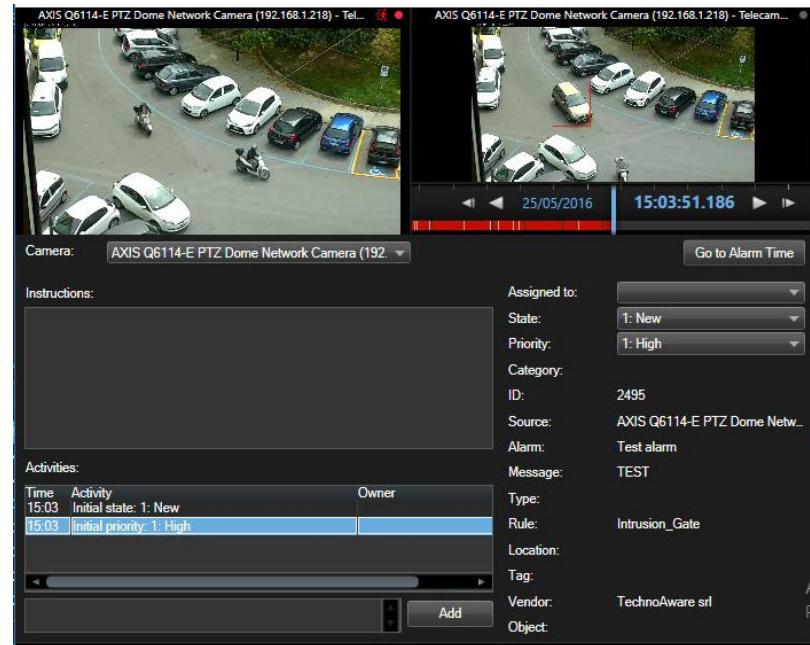
The basic steps are the following:

## - VTrack:

- 1) Setup the plugins (*explained in other manuals*)
- 2) Setup the Milestone analytic events (events)
- 3) Setup the Milestone provider (metadata)

## - Milestone:

- 4) Setup the alarm definitions (events)
- 5) Link the VTrack's metadata to the camera (metadata)



# **LOGIN THE CENTRAL MANAGER (VTrack)**

# VTrack / Milestone Integration – Login the Central Manager



Username:  
admin

Password:  
1234

# CONNECT TO VTRACK

# VTrack / Milestone Integration – Connect to VTrack

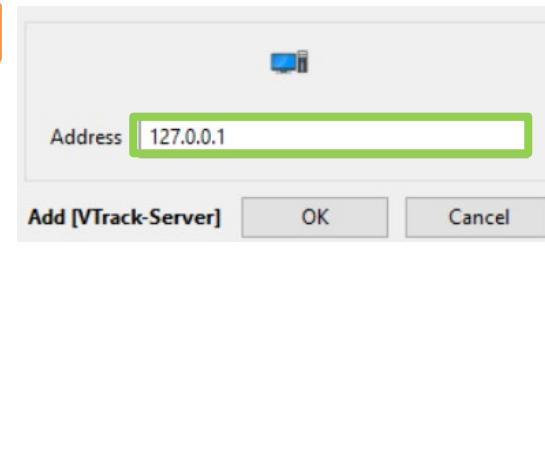
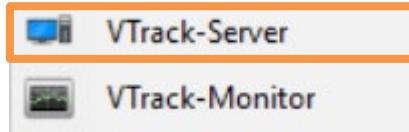
Press  
«+»

Select  
«VTrack-Server»

Select the ip of the  
VTrack-Server to connect  
and press «ok»

Click the  
server's IP  
address

Select  
«configure»



# CREATE A NEW VTRACK's CONFIGURATION

# VTrack / Milestone Integration – Create a new VTrack's configuration

Press «+»

Fill the Configuration name field  
Then press «ok»

The new configuration will be created



Add new configuration

Configuration name

Planning

Name	
<input type="checkbox"/> After hours	
<input checked="" type="checkbox"/> Always	
<input type="checkbox"/> Day	
<input type="checkbox"/> Empty	
<input type="checkbox"/> New year	
<input type="checkbox"/> Night	
<input type="checkbox"/> Office	
<input type="checkbox"/> Summer holidays	
<input type="checkbox"/> Weekdays	
<input type="checkbox"/> Weekends	

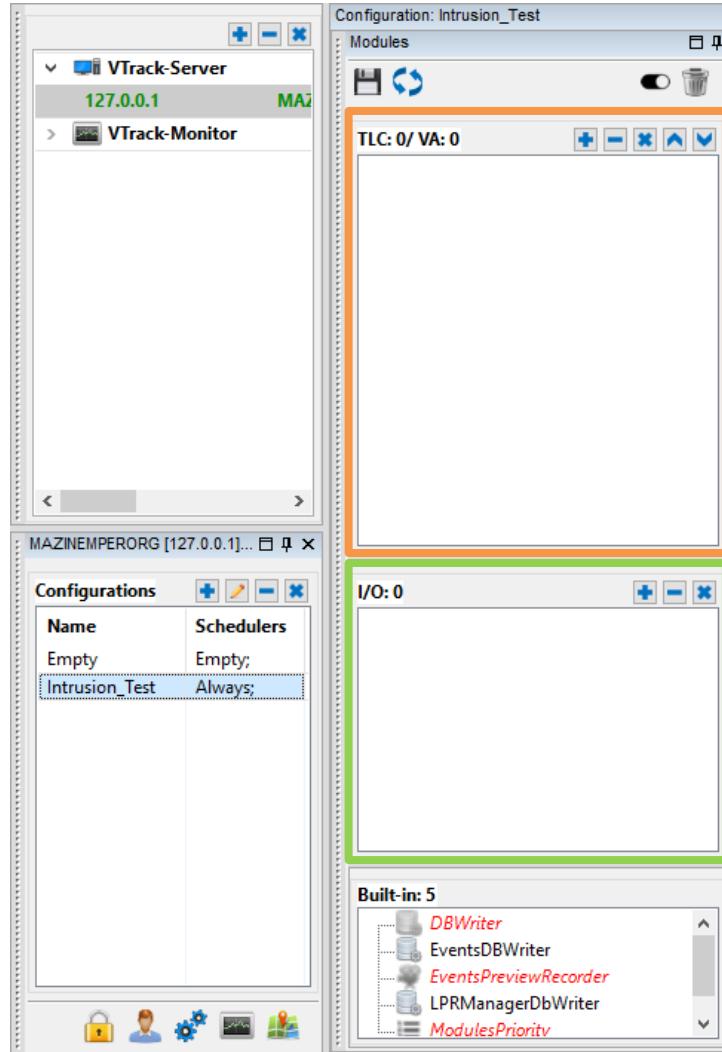
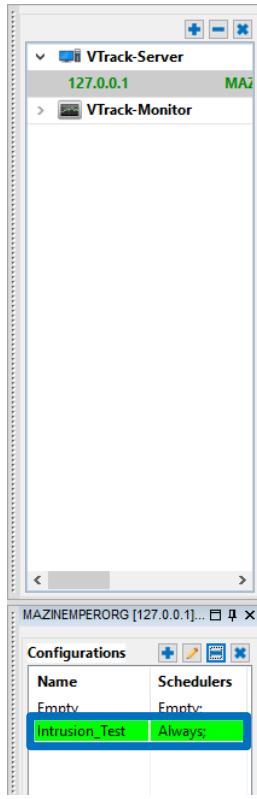
Copy parameters from...   Enable

OK Cancel

Name	Schedulers
Empty	Empty;
Intrusion_Test	Always;

# VTrack / Milestone Integration – Create a new VTrack's configuration

Double click to enter in the configuration



Setup the acquisition and processing modules

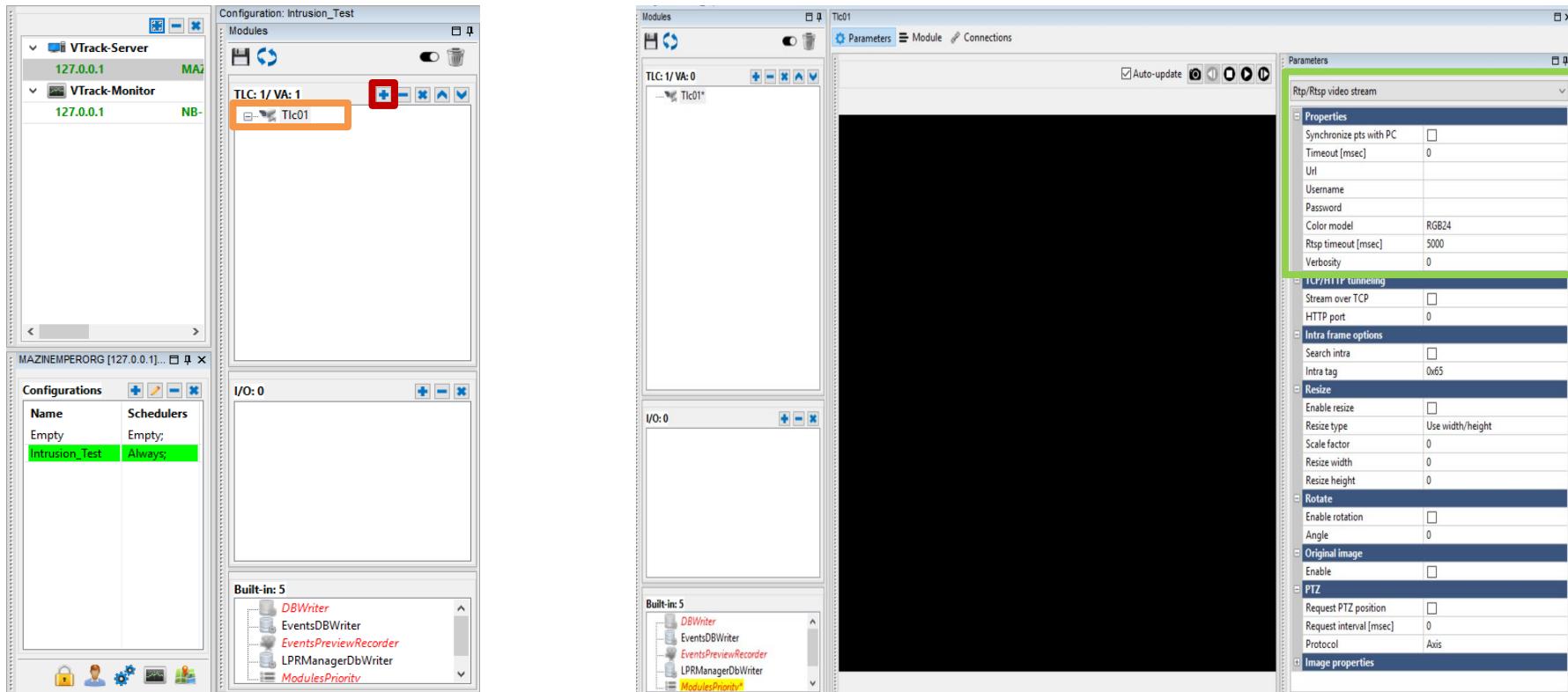
Setup the I/O modules

# VTrack / Milestone Integration – Create a new VTrack's configuration

Click +» to add a camera

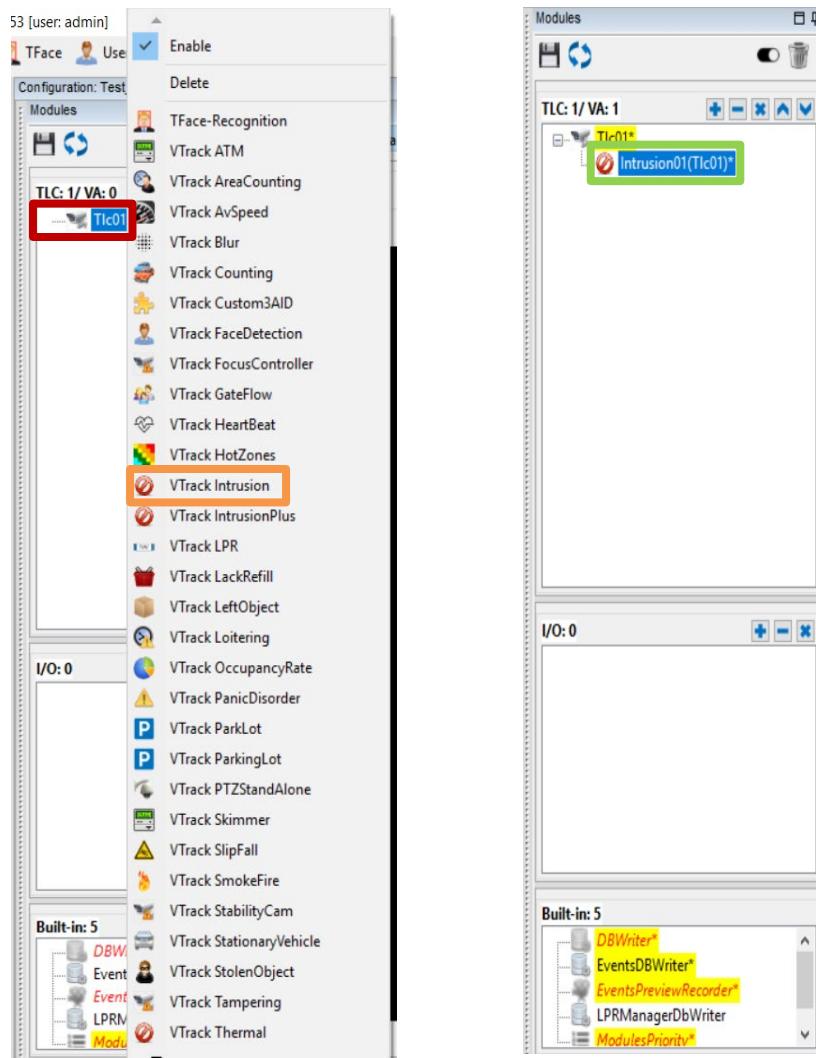
Double click to setup  
the acquisition  
module

Select RTSP and fill the  
acquisition's parameters



# SETTING UP THE PROCESSING PLUGIN (VTrack)

# VTrack / Milestone Integration – Setup the processing plugin

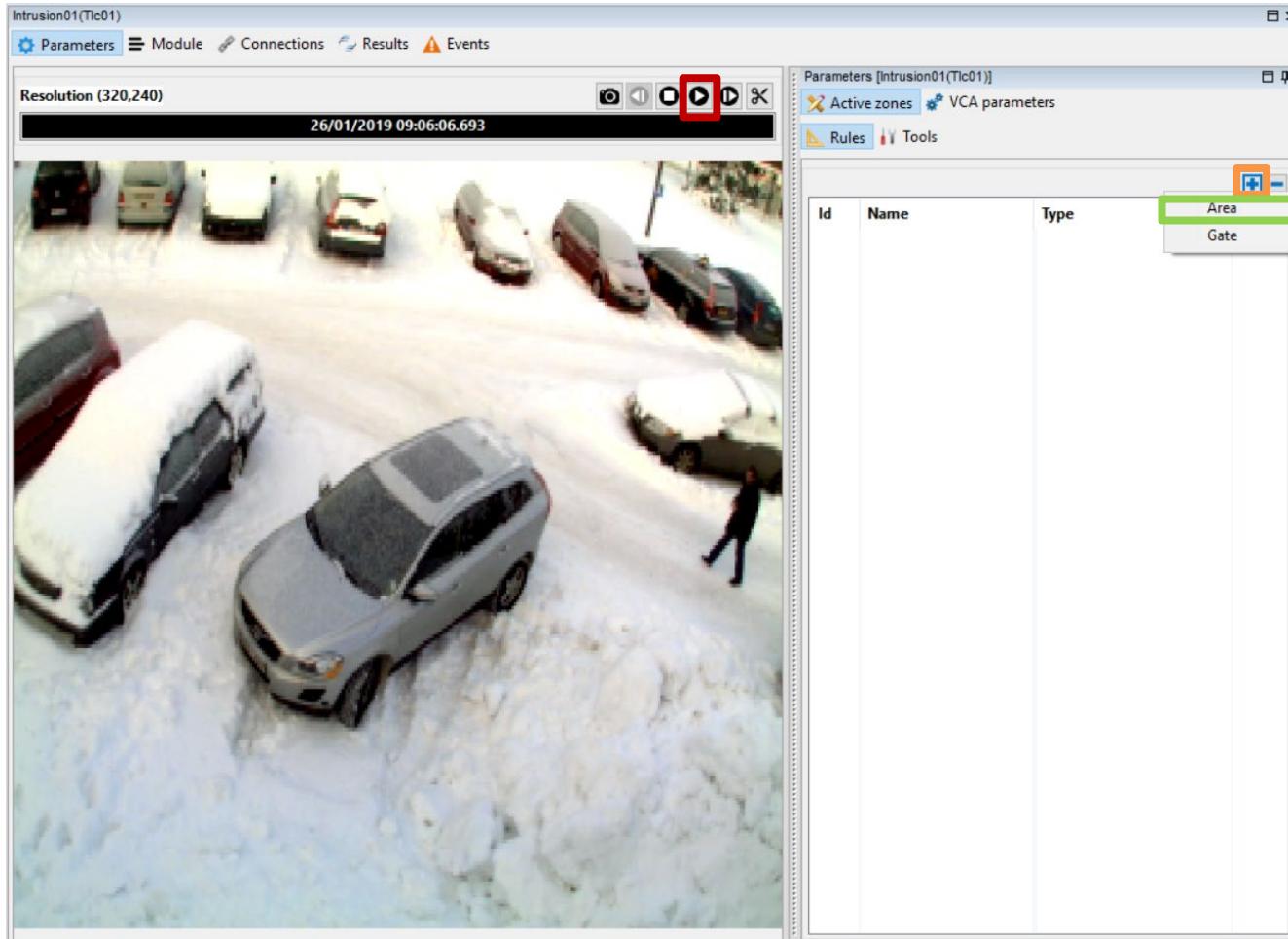


Right click on the camera to add a new processing module

Select the processing module

Double click on the processing module to setup

# VTrack / Milestone Integration – Setup the processing plugin

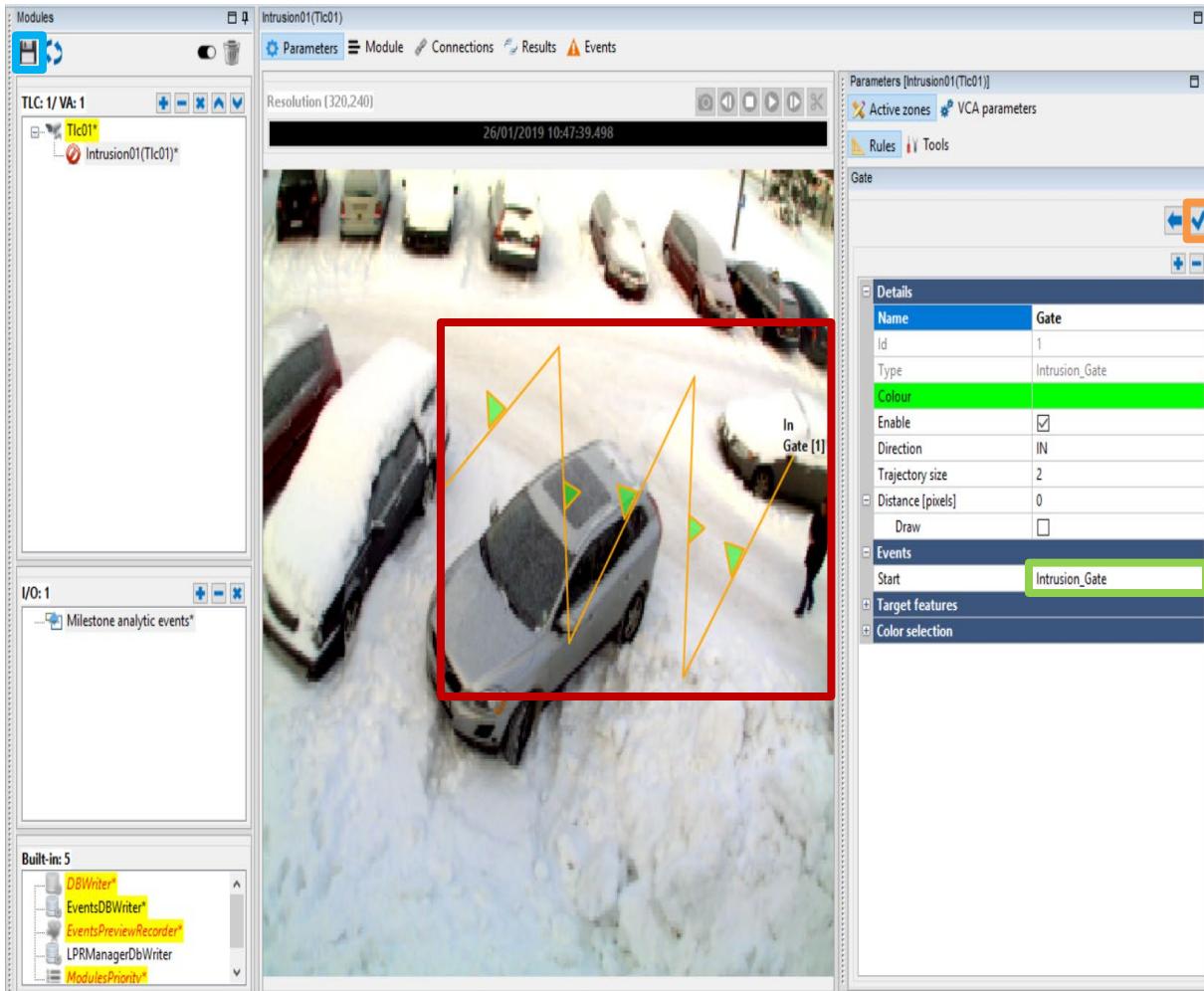


Press «play» to see the camera

Click «+» to add a new alarm region

Select the type of alarm region

# VTrack / Milestone Integration – Setup the processing plugin



Click on the image points to create the vertices of the alarm zone

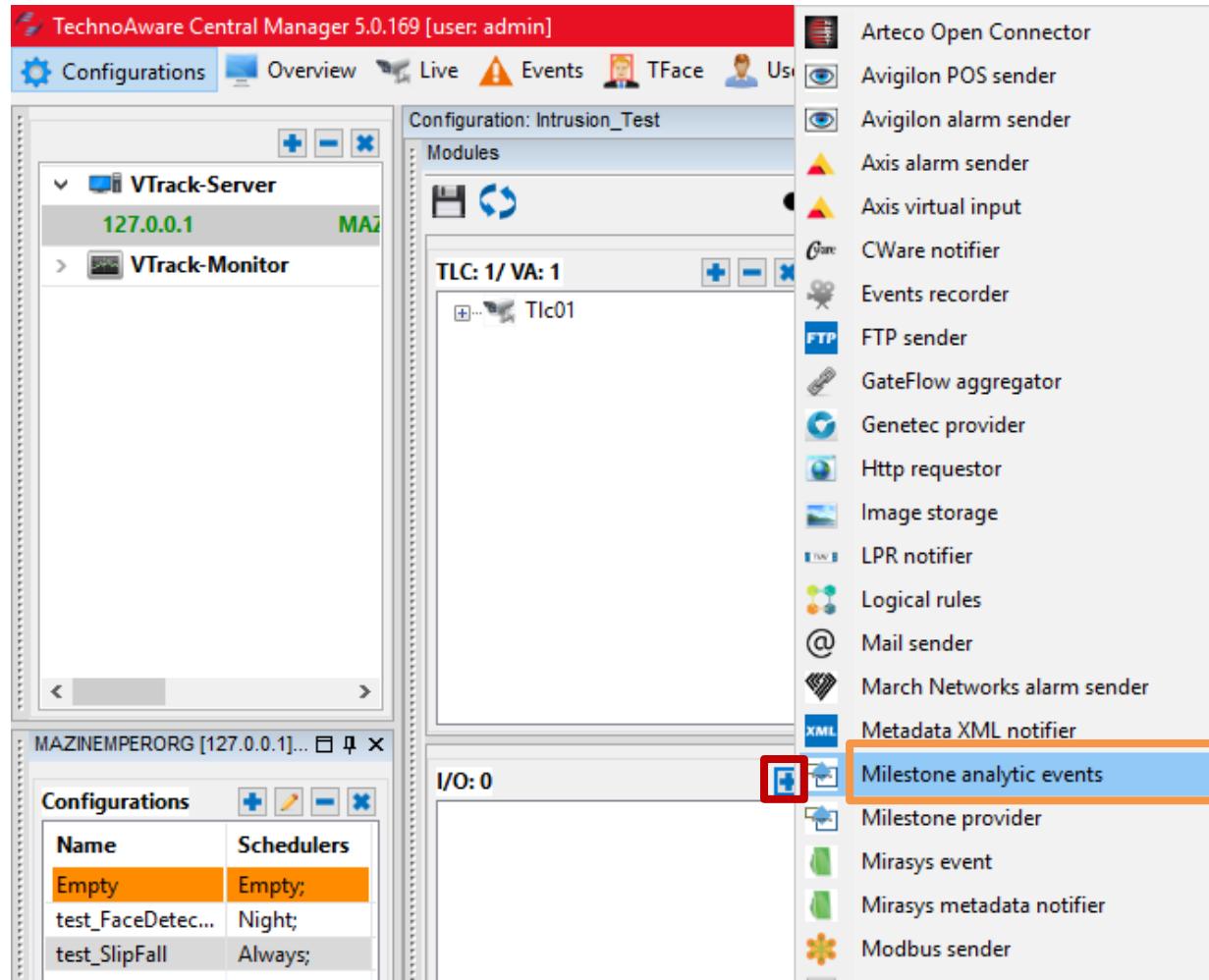
Change the name of the event to trigger the alarm in milestone

Click «V» close the zone

Click the floppy icon to save the configuration

# SETTING UP THE MILESTONE ANALYTIC EVENTS (VTrack)

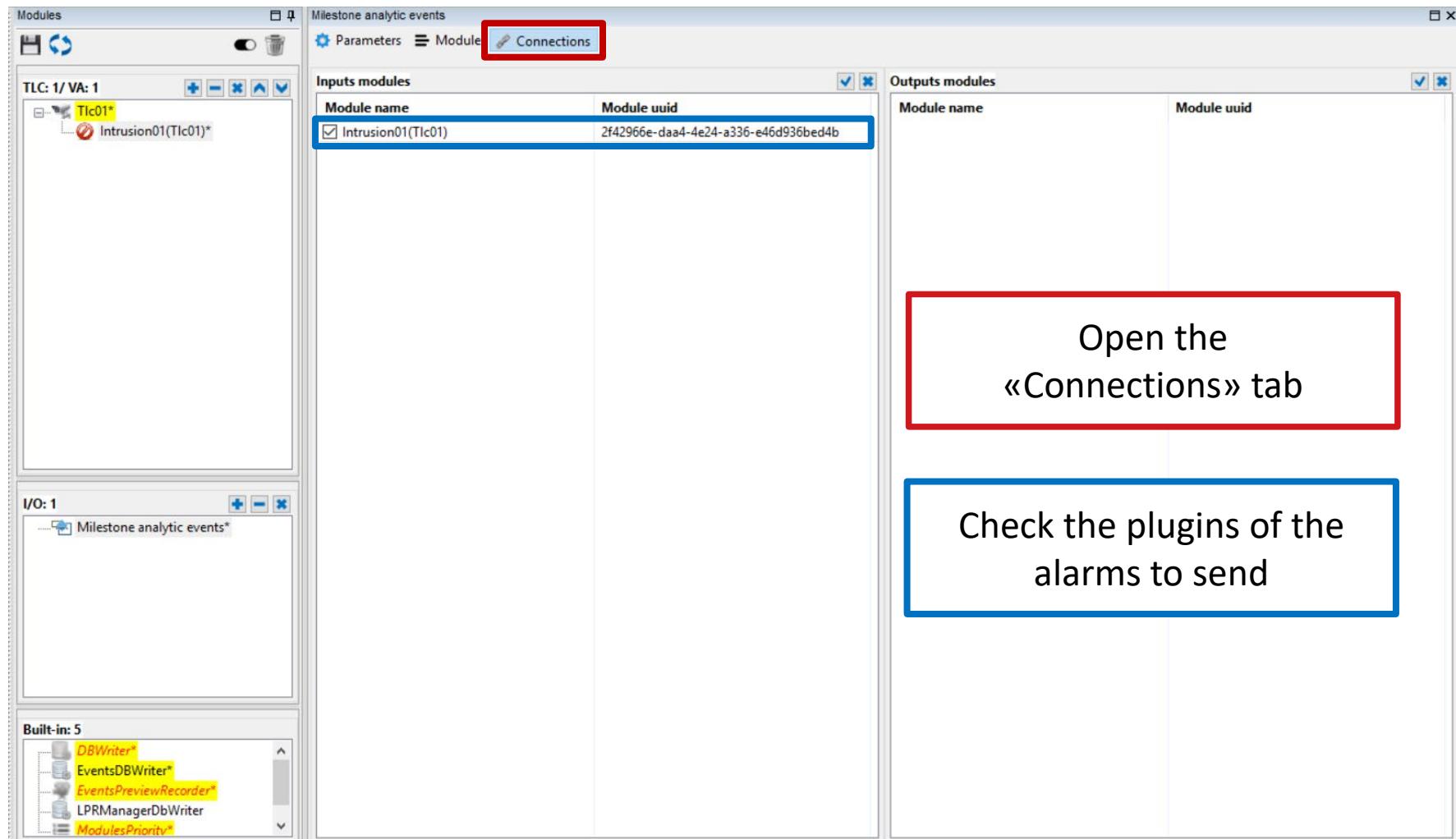
# VTrack / Milestone Integration – Milestone analytic events



Press «+» to open  
the list of I/O  
Interfaces

Select «Milestone  
Analytic events»

# VTrack / Milestone Integration – Milestone analytic events



# VTrack / Milestone Integration – Milestone analytic events

Milestone analytic events

Parameters Module Connections

**Milestone event server**

IP address	192.168.1.126
Port	9090
Unsent queue [max dimension]	20
Message format	ANALYTIC_EVENT

**Milestone management server**

IP address	192.168.1.126
Port	80
Product type	Corporate family
Authentication	Windows Authentication
Username	MAZINEMPERORG\Federico
Password	*****

**Rule list**

ID	Event type	Name	Type	Module name	Camera name
1	Start	Intrusion_Gate_Start	Intrusion_Gate	Intrusion01(Tlc01)	

Test

Open the «Parameters» tab

Fill the IP address and credentials of the Milestone management server

Fill the IP address and credentials of the Milestone event server (usually the same)

# VTrack / Milestone Integration – Milestone analytic events

Flag the checkbox of the alarms to be sent to Milestone

Double click the «Camera name» cell

Check the name of the event (it have to be the same as the relative Milestone's analytic event)

Select the camera from the list to complete the association

The screenshot shows the 'Milestone analytic events' configuration window. It includes sections for 'Milestone event server' and 'Milestone management server' with their respective IP addresses, ports, and authentication details. A 'Rule list' table displays rules with columns for Id, Event type, Name, Type, Module name, and Camera name. An orange arrow points to the 'Name' column in the rule list, which contains 'Intrusion\_Gate'. A callout text states: 'This column shows the name of the analytic event.' To the right of the rule list is a 'Rule details' panel with a 'Name' field set to 'Intrusion\_Gate'. Below it is a 'Camera association' panel listing a camera named 'AXIS Q6114-E PTZ Dome Network Camera (192.1...)' under the 'Name' column. A green box highlights the 'Camera association' panel.

Id	Event type	Name	Type	Module name	Camera name
5	Start	Intrusion_Gate	Intrusion_Gate	Intrusion01(Tlc01)	AXIS Q6114-E ...

This column shows the name of the analytic event.

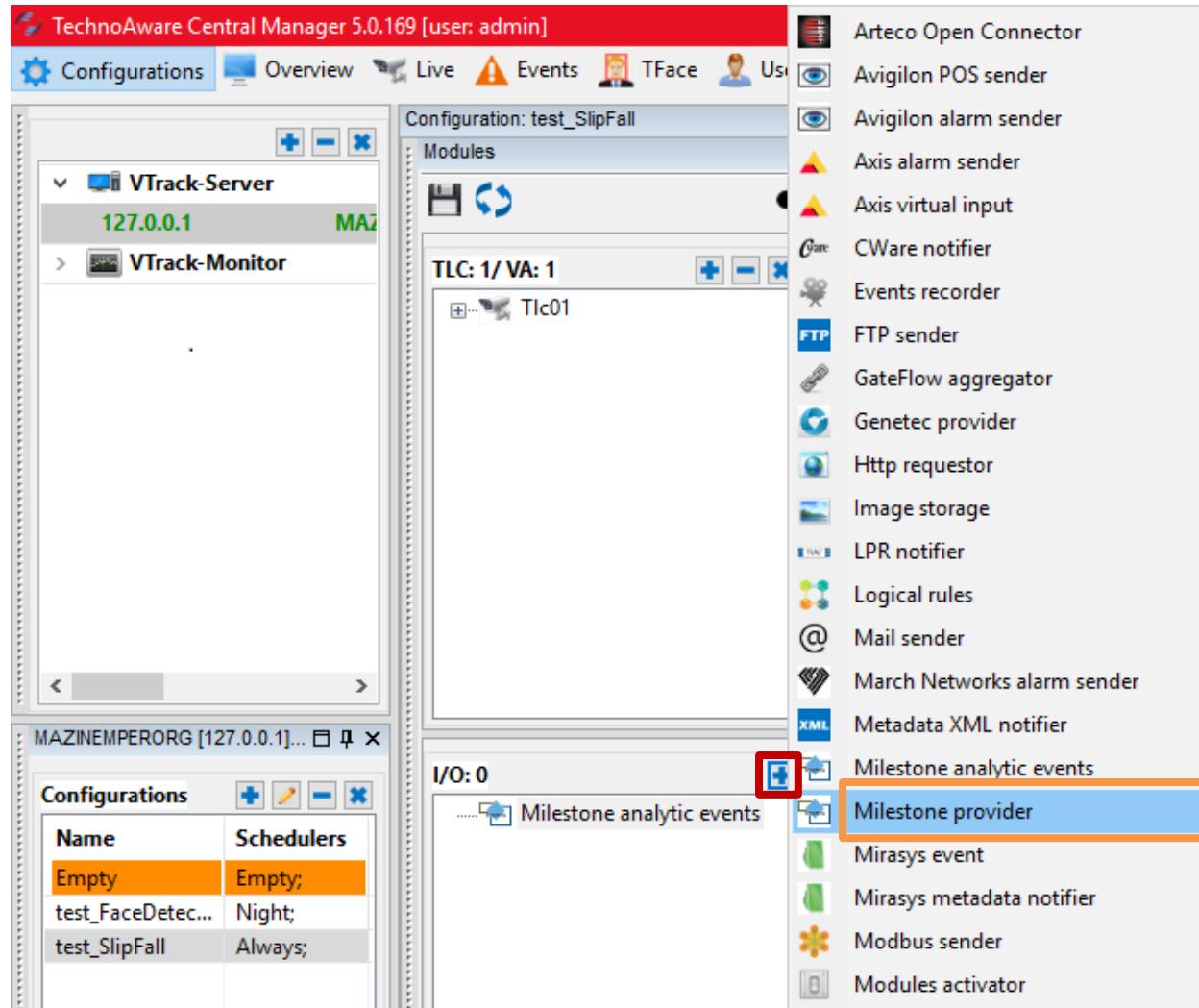
Rule details

Camera association

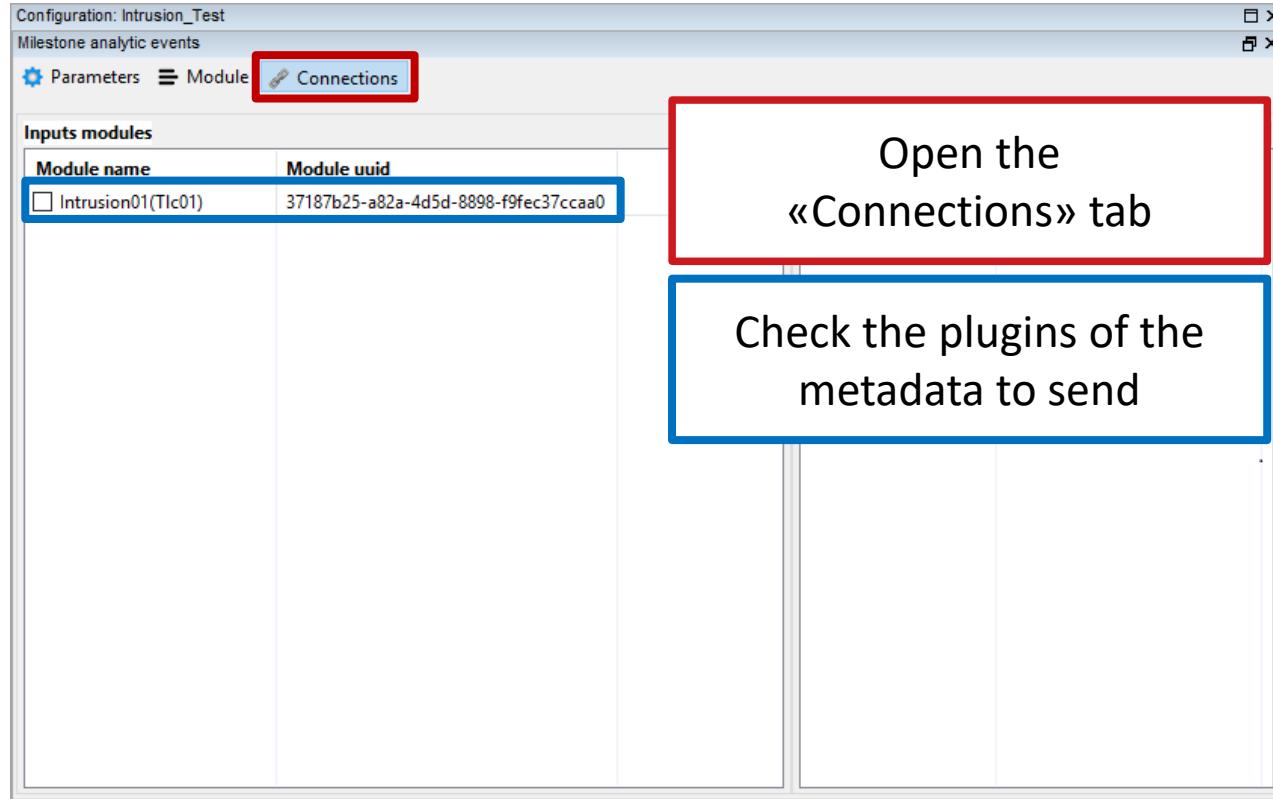
Test

# SETTING UP THE MILESTONE PROVIDER (VTrack)

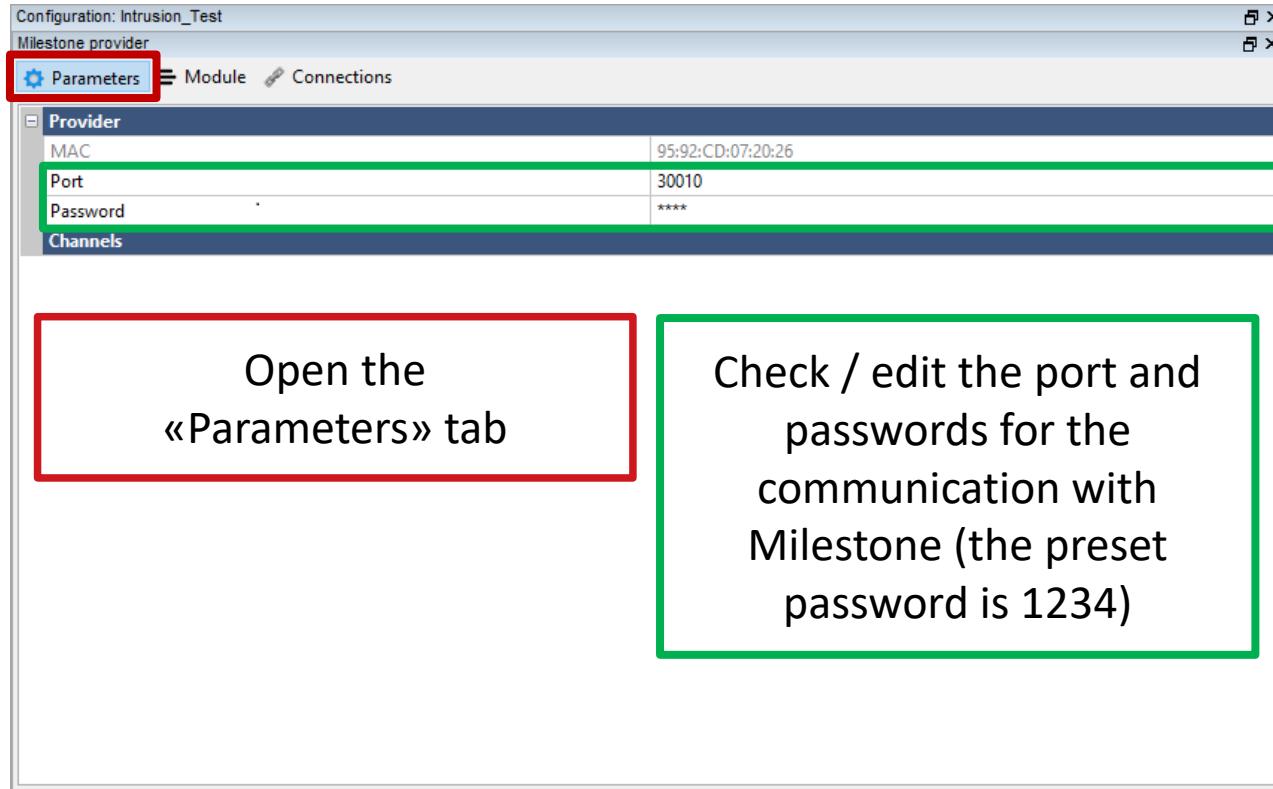
# VTrack / Milestone Integration – Milestone provider



# VTrack / Milestone Integration – Milestone provider

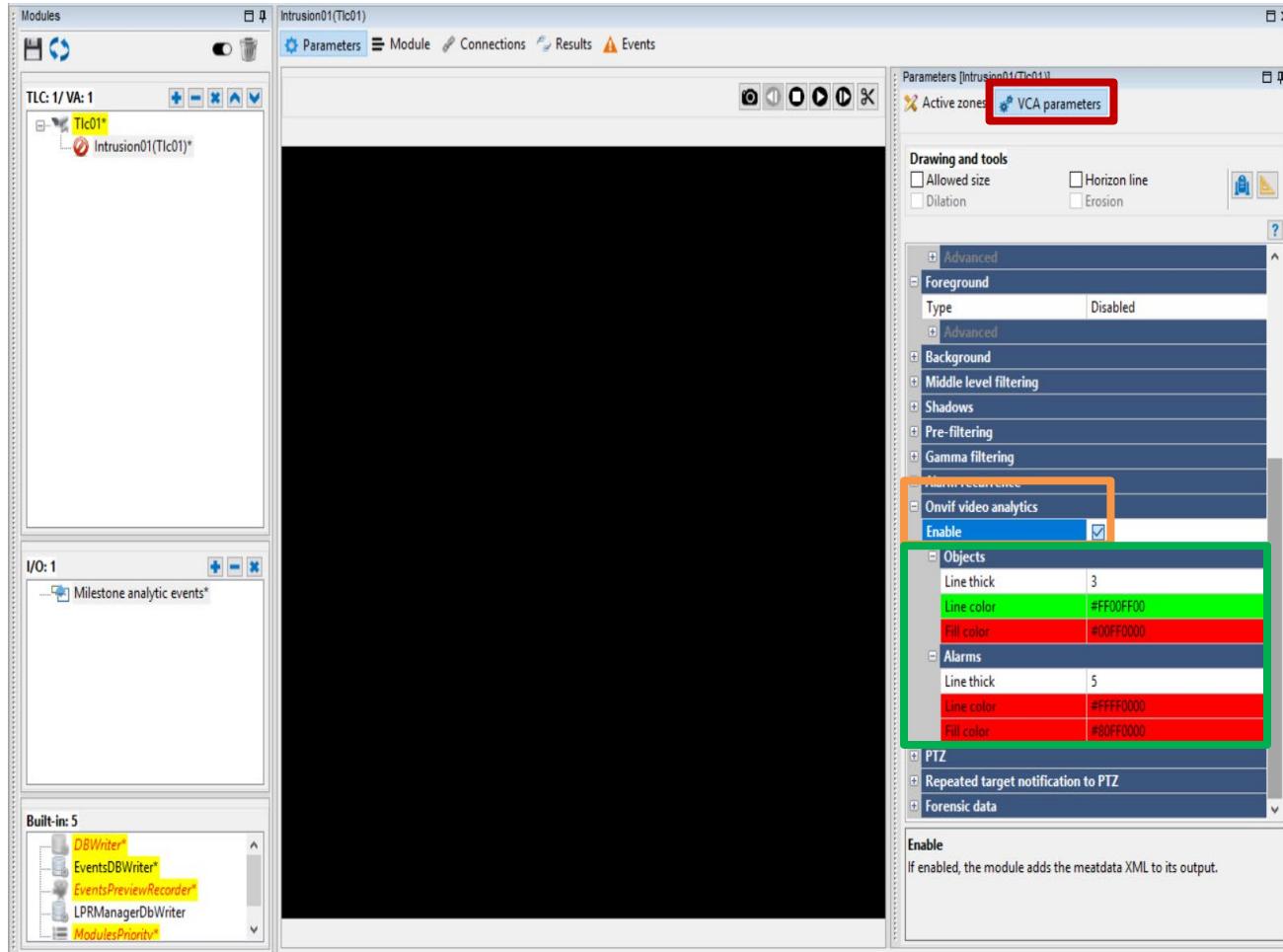


# VTrack / Milestone Integration – Milestone provider



**Remember:** every Milestone provider needs to have a different port.

# VTrack / Milestone Integration – Milestone provider



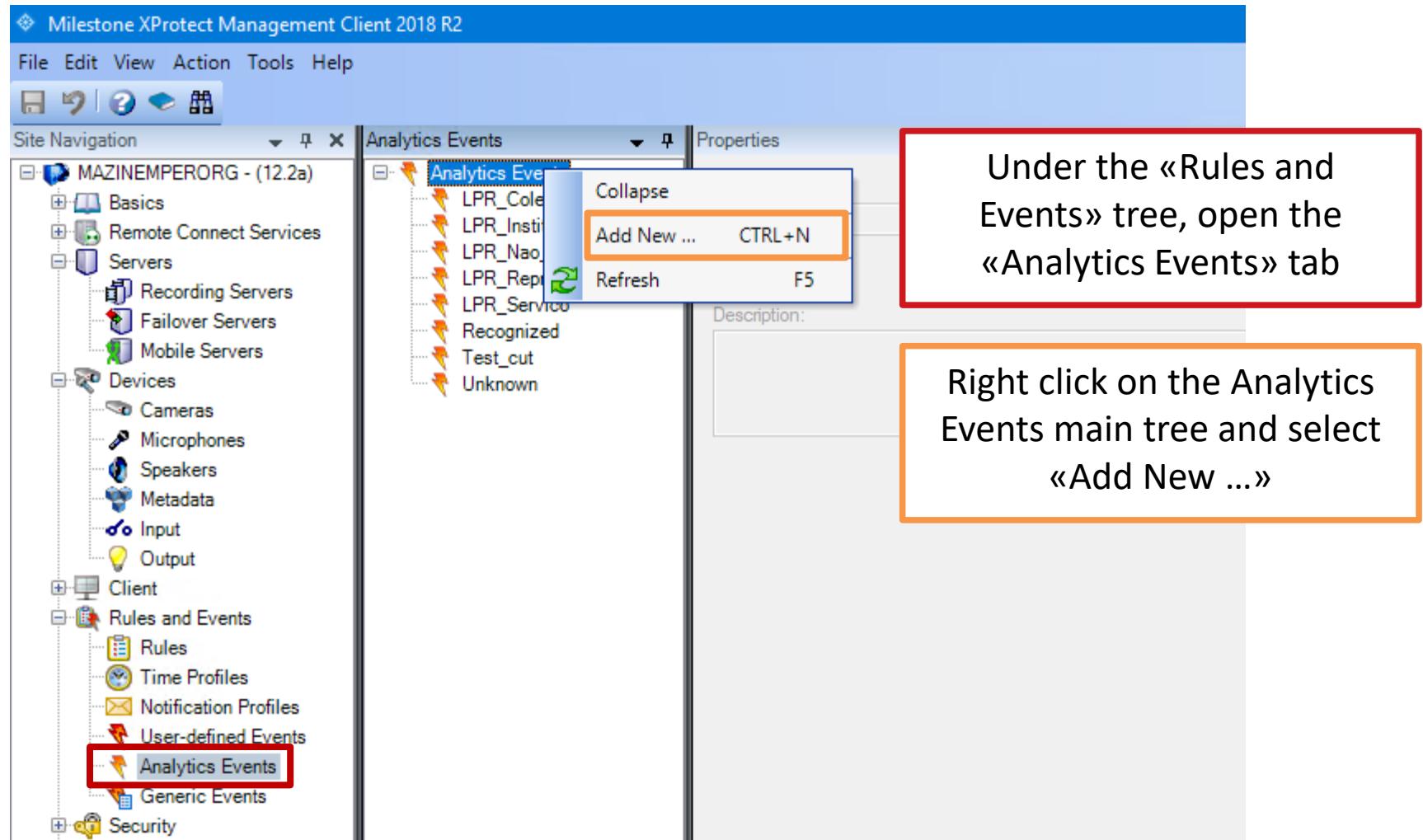
Go to the plugin and open the «VCA Parameters»

Check «Enable» under the «Onvif video analytics»

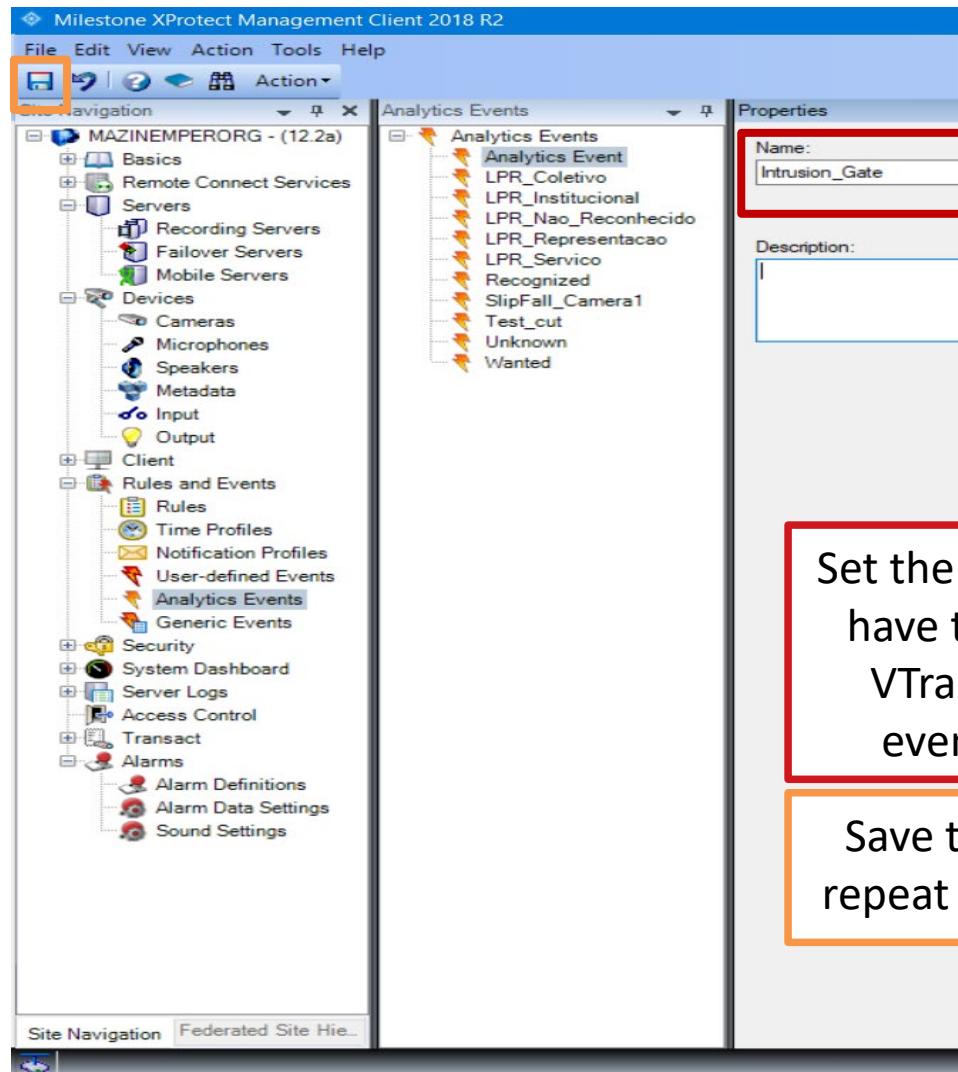
Set the color, filling and line thickness of the tracked objects when they trigger an alarm or else

# SETTING UP THE ALARM DEFINITIONS (Milestone)

# VTrack / Milestone Integration – Milestone alarm definitions



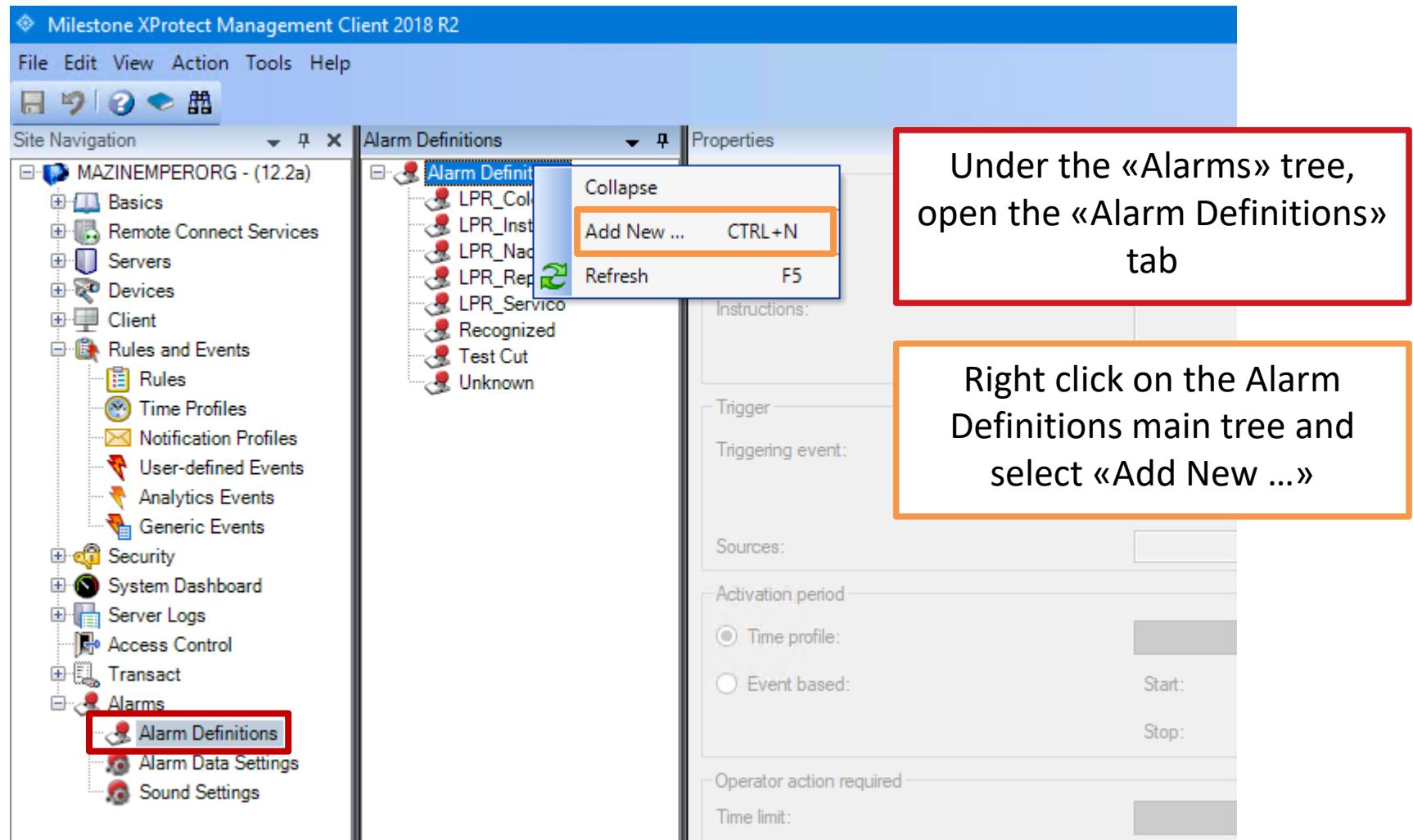
# VTrack / Milestone Integration – Milestone alarm definitions



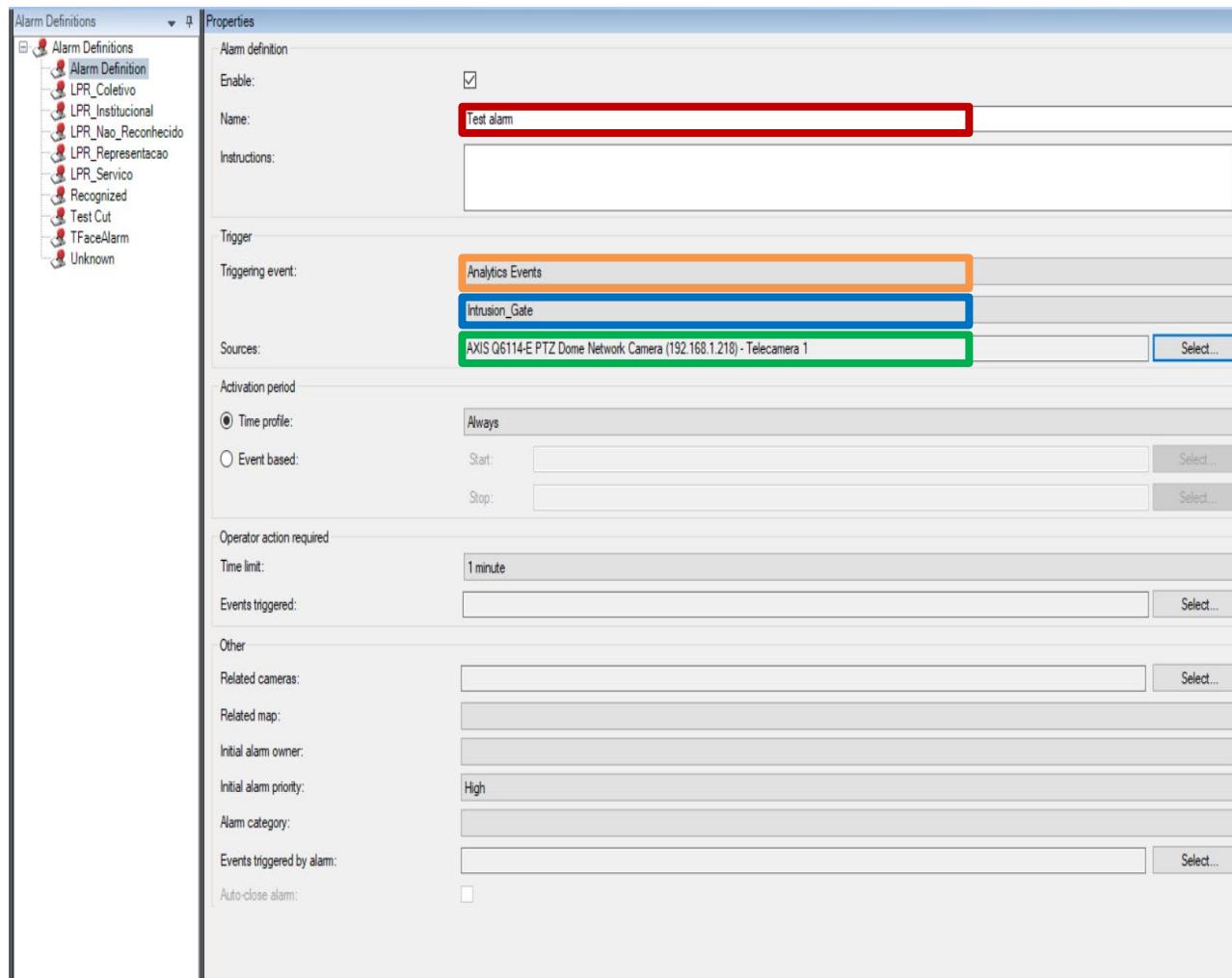
Set the name of the events (that have to be the same as in the VTrack's Milestone analytic events interface – page 7)

Save the applied changes and repeat the steps for every event

# VTrack / Milestone Integration – Milestone alarm definitions



# VTrack / Milestone Integration – Milestone alarm definitions



Set the name of the alarm definition

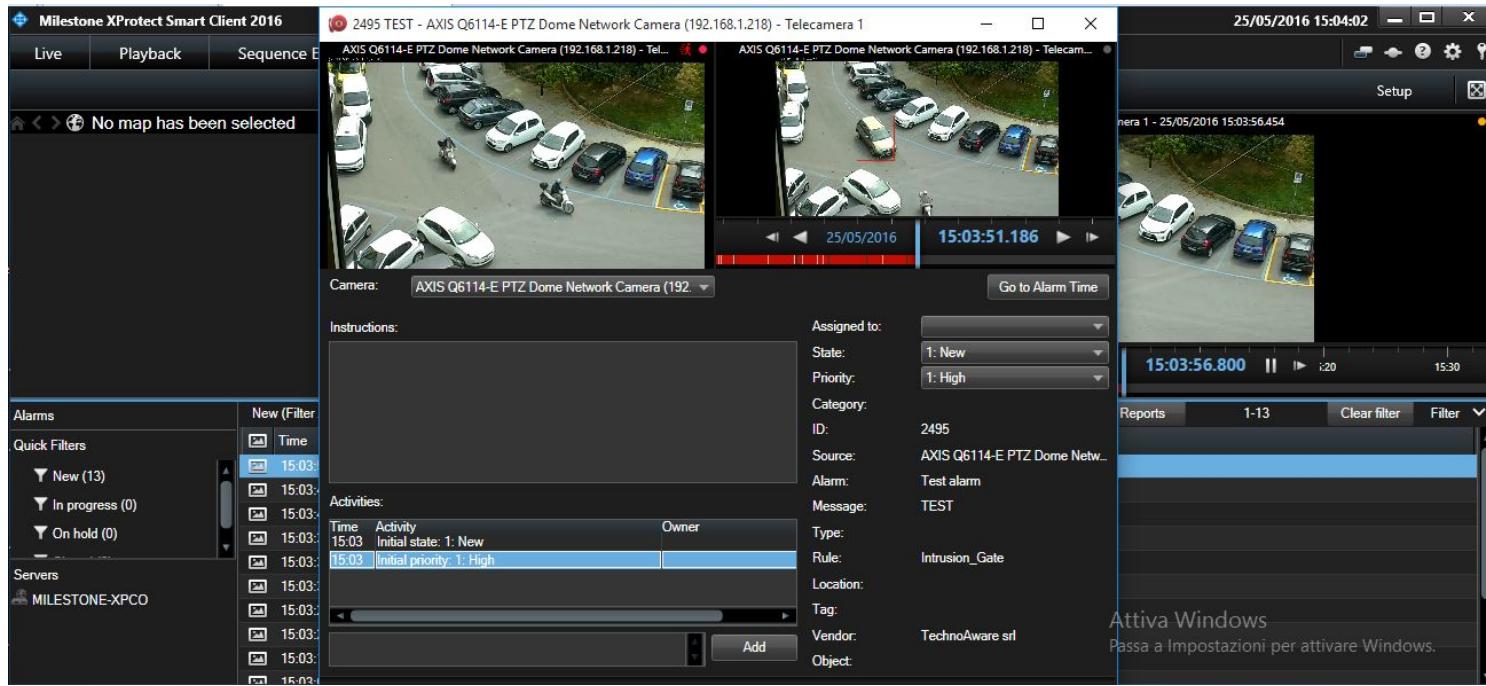
Select «Analytic Events» from the drop down list

Select the previously set analytic event from the drop down list

Press «select» and set the camera associated to the event

Save the applied changes and repeat the steps for every event

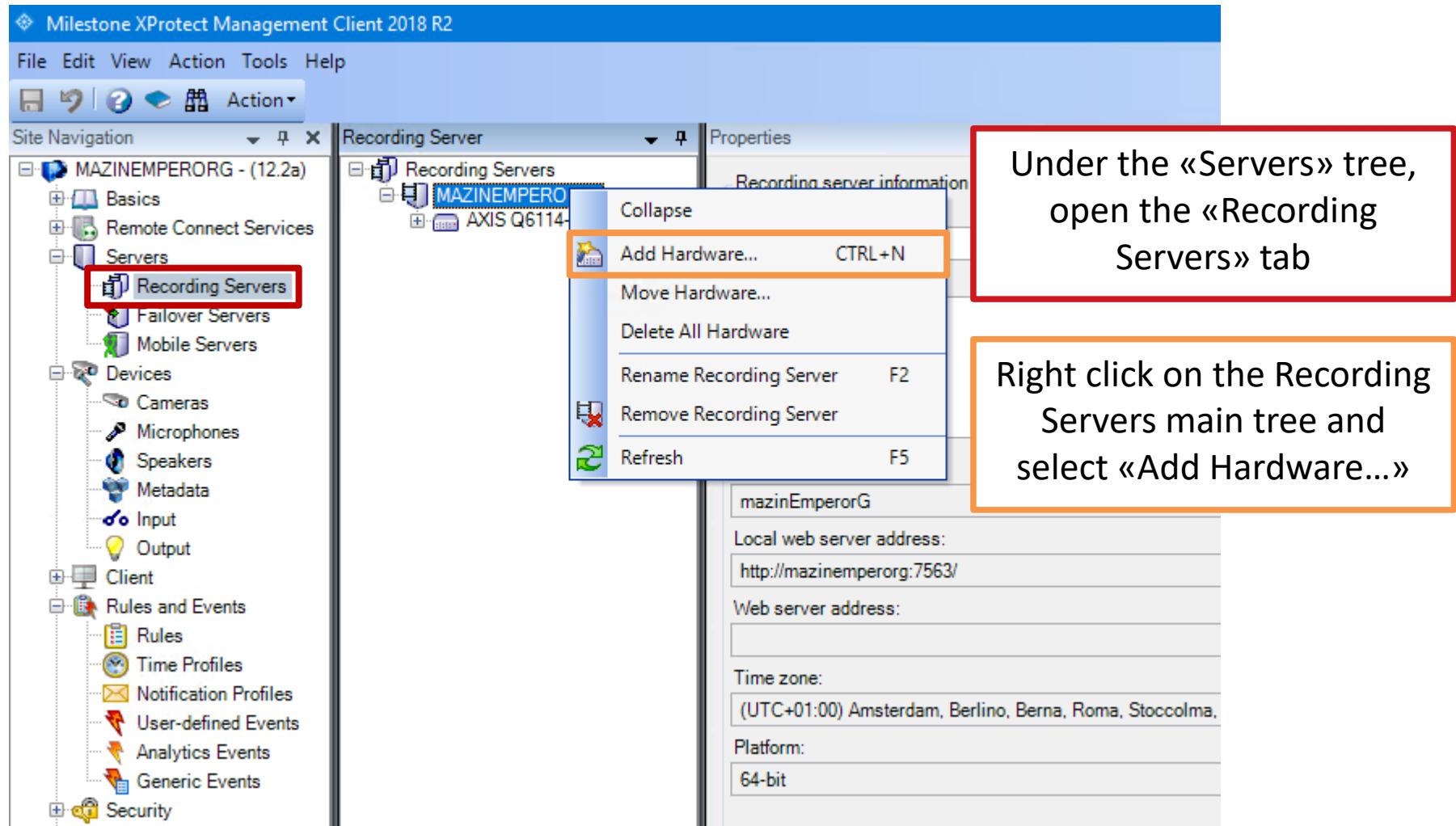
# VTrack / Milestone Integration – Milestone alarms, result



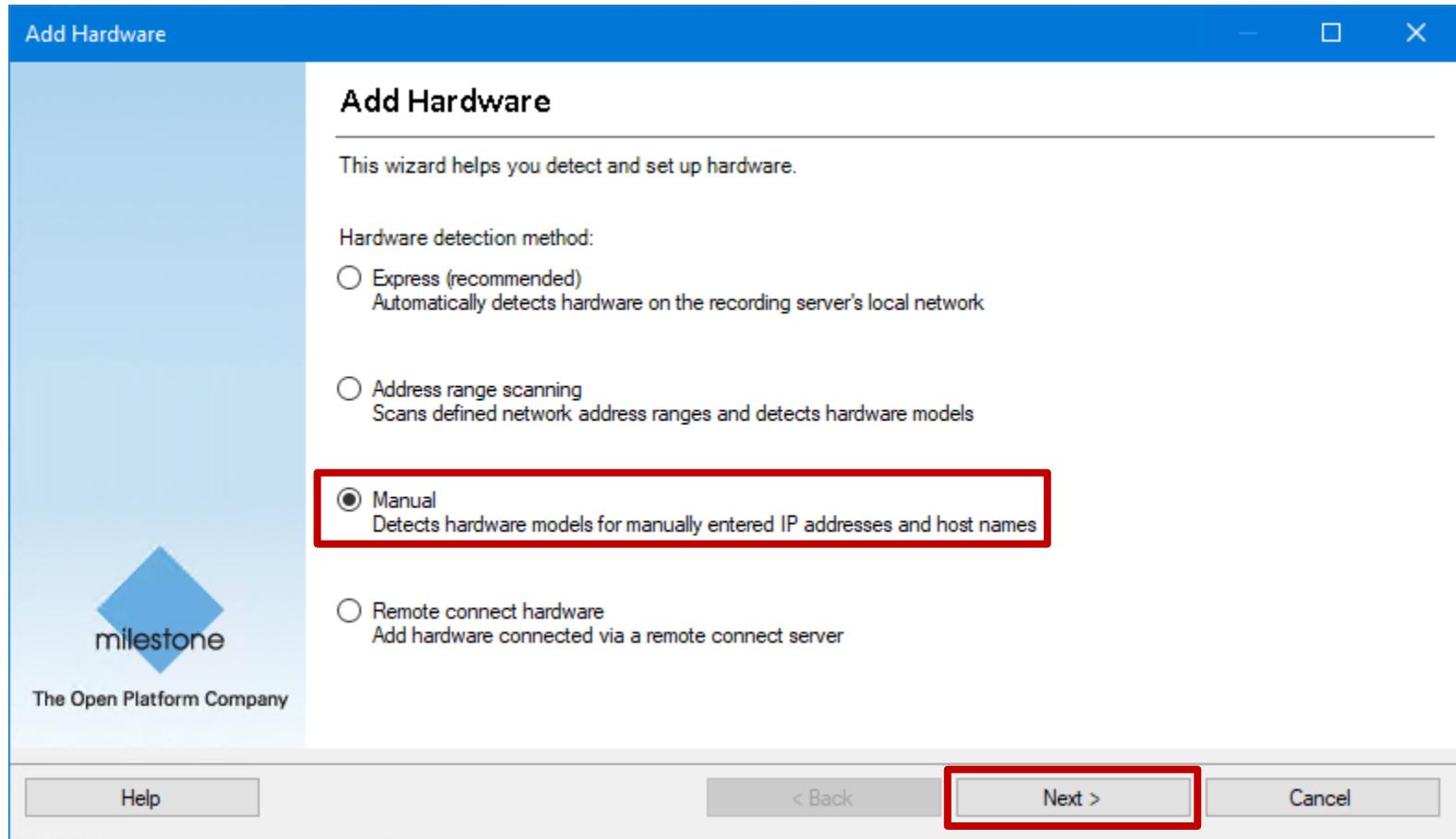
Restart the XProtect Smart Client (if open) and, if everything is correctly set, the system will now show the VTrack events associated to the camera directly in XProtect.

# SETTING UP THE MIP DRIVER (Milestone)

# VTrack / Milestone Integration – MIP driver

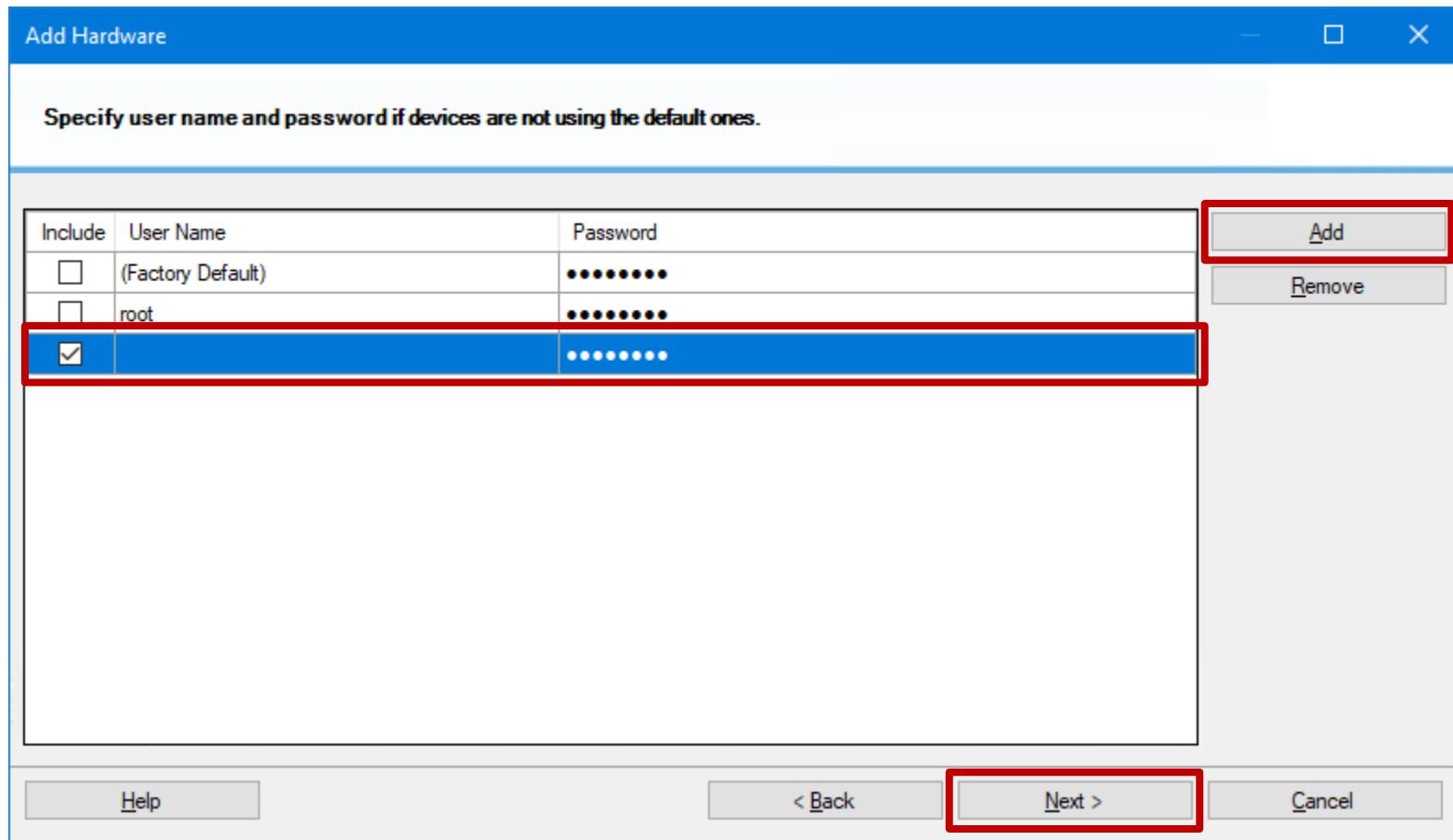


# VTrack / Milestone Integration – MIP driver



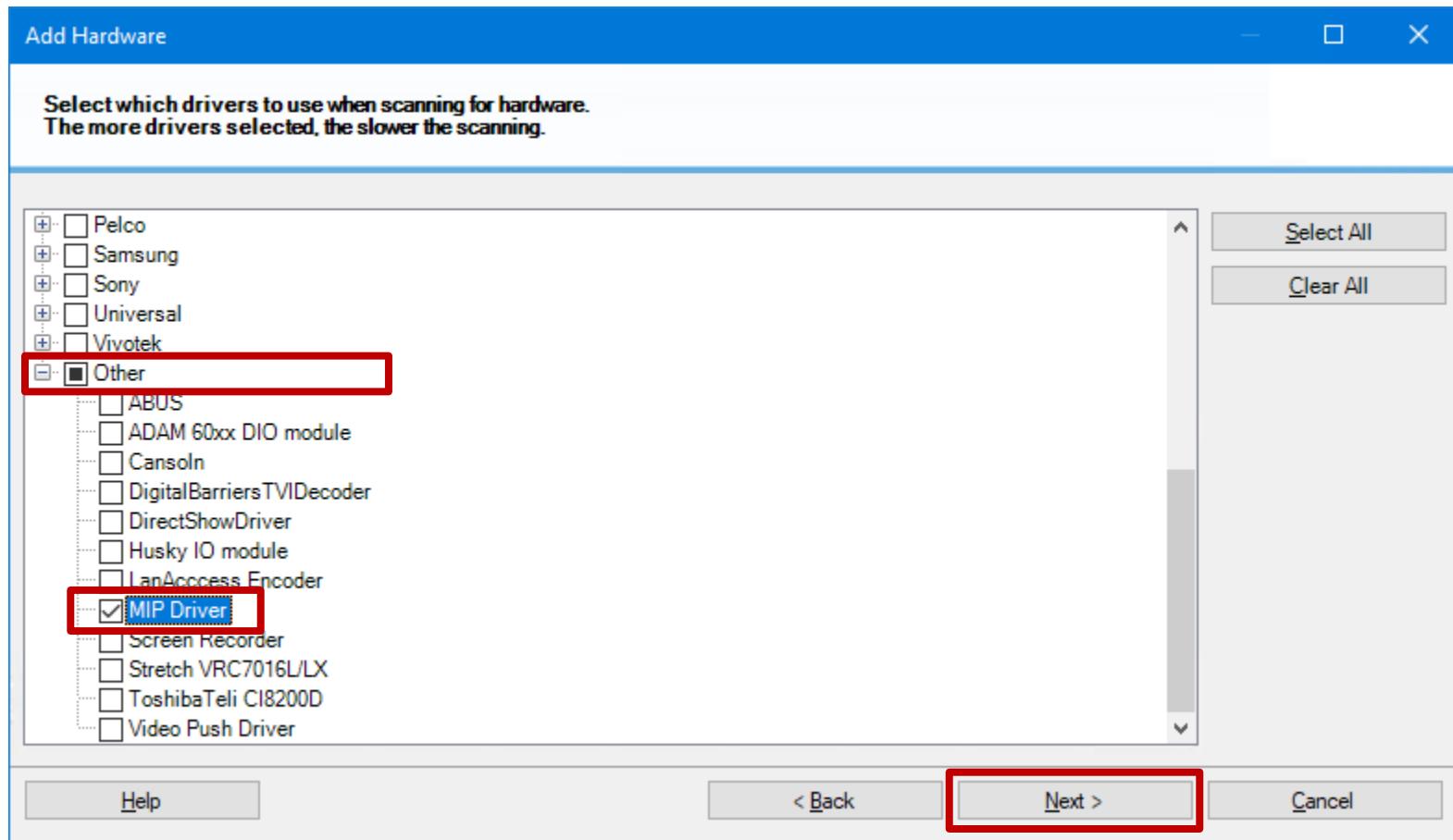
Select «Manual» then press «Next»

# VTrack / Milestone Integration – MIP driver



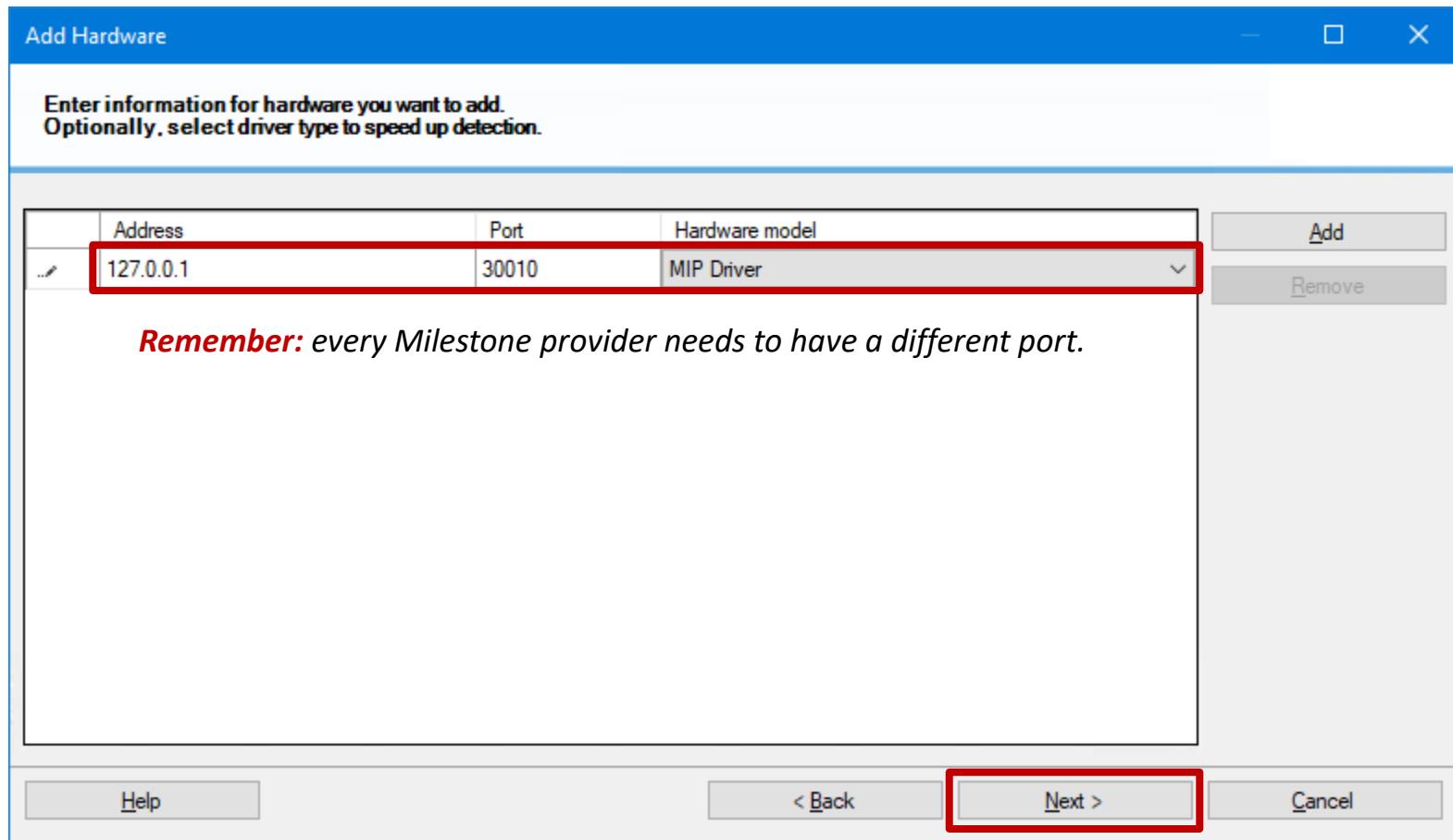
Press «Add», leave the User Name empty and set the defined password (page 11).  
Press «Next»

# VTrack / Milestone Integration – MIP driver



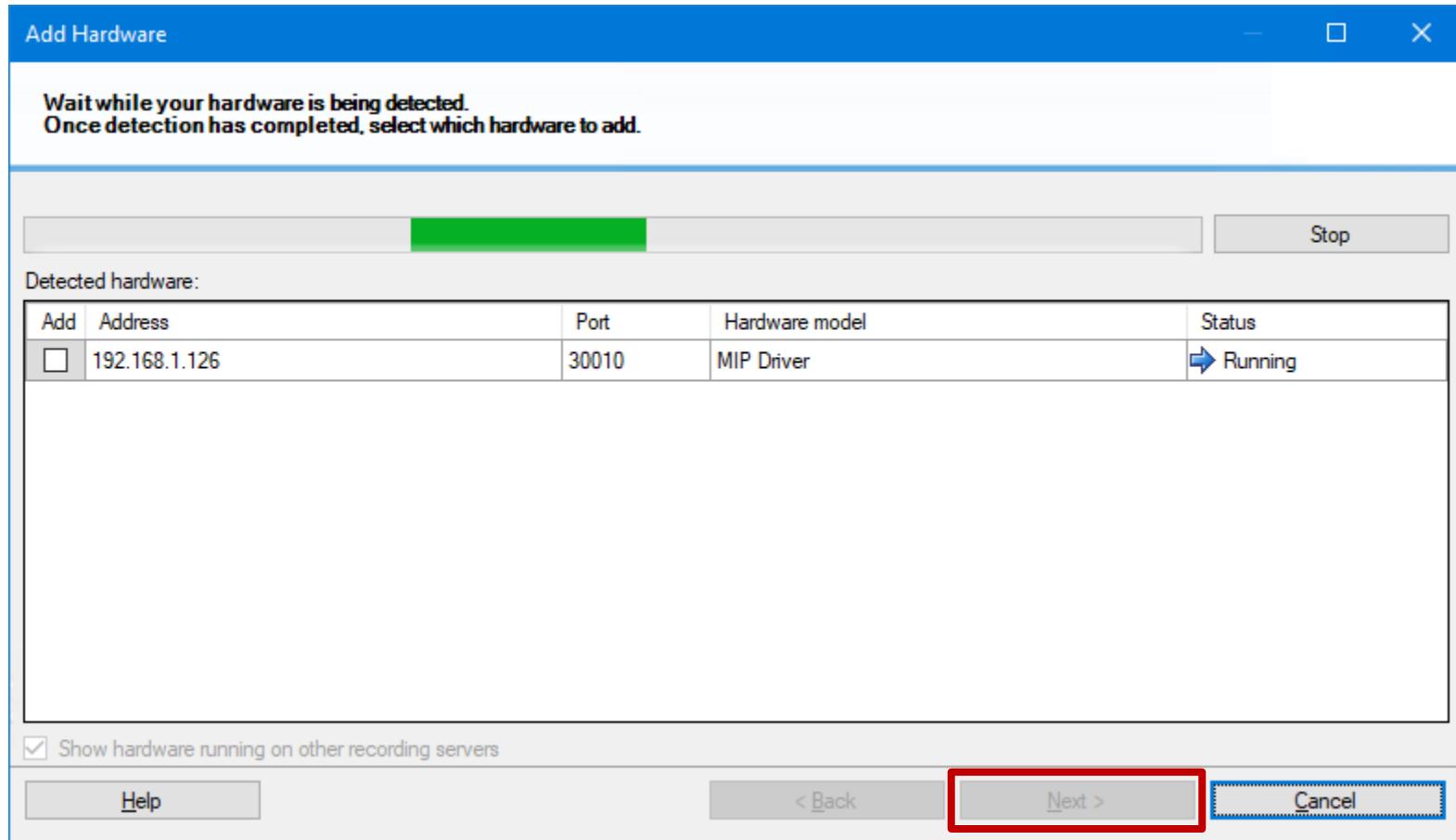
In the hardware list, expand the «Other» main tree and check «MIP Driver». Press «Next».

# VTrack / Milestone Integration – MIP driver



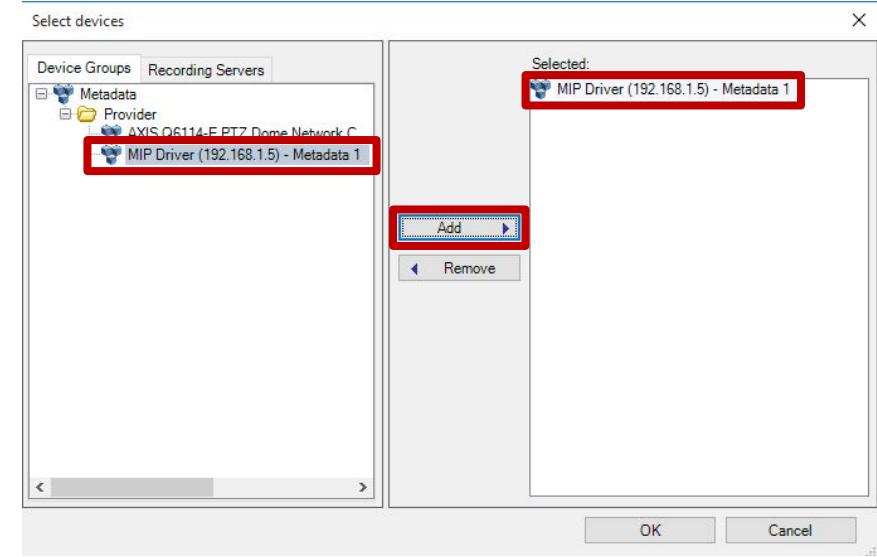
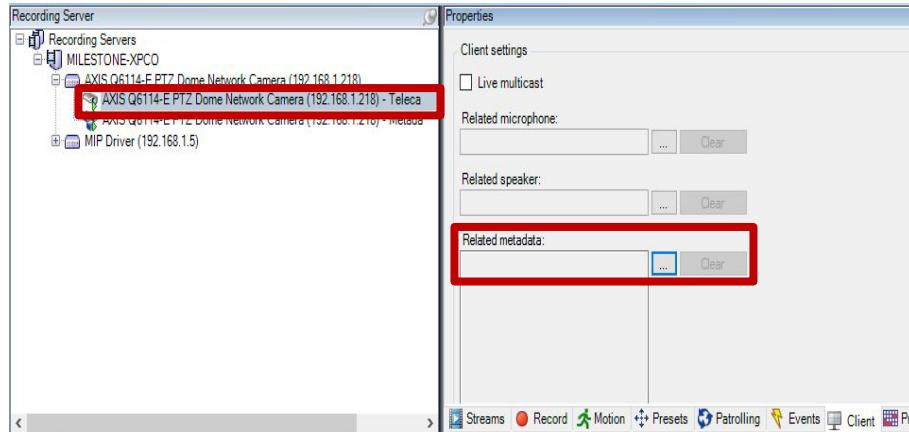
Set the IP Address of the VTrack Server and the port of the VTrack's Milestone provider (page 11).  
Press «**Next**».

# VTrack / Milestone Integration – MIP driver



Milestone will check the configuration.  
If correct press «**Next**», else press «**Back**» and apply the required changes.

# VTrack / Milestone Integration – MIP driver

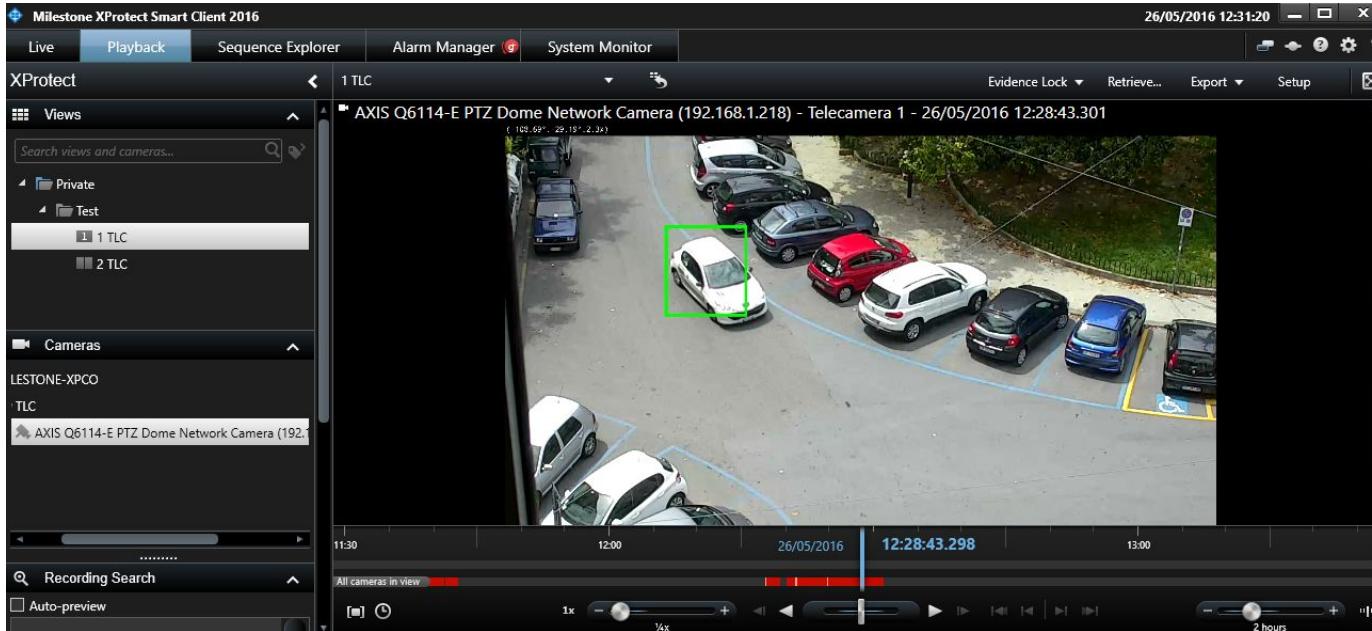


Under the «Recording Servers» tree, double click on the camera associated to the Metadata.

Click on «...» right next to the Related metadata and add the previously added MIP Driver.

Press OK and save.

# VTrack / Milestone Integration – MIP driver, results



Restart the XProtect Smart Client (if open) and, if everything is correctly set, the system will now highlight automatically the bounding boxes using the color scheme set on VTrack.