



ADMINISTRATION GUIDE

Revision 5.0

MySirius

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I. INTRODUCTION

JRI MySirius is a hosted (Cloud JRI MySirius) monitoring system operating with connected sensors. Notifications can be sent by the system in real time if any incident occurs. For an optimum operation, it is important to configure MySirius correctly by following the steps below:

1. Equipement Installation and declaration
 - Gateway (Nano SPY LINK)
 - Relay/Alarm (Nano SPY ALARM)
 - Connected probes (Nova SPY, Nano SPY et LoRa® SPY)
2. Create the monitored units
3. Create the batches
4. Create the alerts
5. Create the users

II. DEFINITIONS

1. Unit / Monitored Unit

A monitored unit is an equipment, an enclosed space monitored by one or several measurement point(s) (ex.: cold room, heat chamber, building...)

It will be possible to give it a name, an inventory number (optional) and an indicator of «special metrological requirement» if applicable and a schedule of operation if it is not used continuously.

For a monitored unit to exist in JRI MySirius, it must have at least one measurement point.

2. Archived Monitored Unit

An archived monitored unit is no longer in use in the system. It's not shown and managed in the MONITORING or ADMINISTRATION tabs. We keep the possibility to see its measurement points configuration and Data in the MAINTENANCE tabs, tile ARCHIVED MONITORED UNITS.

It is possible to put an archived monitored unit back into operation by unarchiving it. Deleting an archived monitored unit erases definitely all data and measurements from the MySirius database .

3. Temporary Monitored Unit

A temporary monitored unit is a virtual device used to generate and export measurements as part of metrological services such as mapping or calibration.

4. Measurement point

A measurement point is the region of the monitored unit where the measurements of a physical quantity are performed. One measurement is required to be positioned in a monitored unit. There can be several measurement points in a monitored unit.

In a monitored unit, the measurement point(s) receive all information regarding the configuration: measurement units, recording frequencies, alarm thresholds...

Each measurement will be thus linked to a measuring point.

A measurement point uses a measurement chain to carry out the measurements.

5. Computed Measurement point

A computed measuring point is the value calculated from 2 measurements obtained from 2 different sensors.

6. Virtual Measurement point

A virtual measurement point allows the simulation of T° values using the the real measurement point readings. This is done by an algorithm to be specified for each product type.

7. Measurement chain

A measurement chain is an ensemble consisting of a measuring device (sensor) and a device which interprets the measurements in order to supply useable values for display or recording.

A measurement chain can be composed of a complete device with integrated probe (non changeable) or a device and an external probe connected to it (plug-in or not).

Metrological operations (calibration, adjustment, and verification) are performed on the measurement chains.

A measurement chain must be linked to a measuring point for the measurements to be accepted by JRI MySirius.

8. Monitored Unit Template

A monitored unit template enables the simultaneous creation of several identical units in terms of:

- the number of measurement points,
- the configuration of these measurement points.

It contains much of the same information as a monitored unit with the following exceptions:

- it is not placed in a zone by default,
- it belongs to no batch,
- it is not linked to one or several measurement chains in particular but to one or more types of measurement chains.

9. zone

A zone is a geographic localization in which the monitored units can be «physically» placed.

In JRI MySirius, the user can define, as he wishes, the geographical organization of his installed base. To do so, he can create a tree view where each level corresponds to: a site, a building, a level (floor), an area, an office... Each part or subpart of the tree is considered as a zone. It's possible to add a MAP for each zone.

Each level of the tree view can be named and identified. There's no limitation in the number of created zones.

Example :

- Domain (JRI),
 - Site 1 (Fesches-Le-Châtel)
 - * Metrology
 - RM office
 - Laboratory
 - * Engineering
 - Electronic Development Department
 - Software Application Development Department
 - Site 2 (Bezons)
 - * Marketing
 - * Export

10. User

A user is a person who can connect to JRI MySirius.

A user can only have access to data from the domain belonging to him. He has a profile which lets him know his rights (ex.: the right to add a device, the right to acknowledge an alarm...). His actions are limited by his rights.

Each user has personal data (first and last names, email, telephone number...) and manages his weekly schedule and his lists of alert means (email, sms, voice call) to be used in the event of an alarm. He must fill them out to guarantee the correct functioning JRI MySirius.

A user can have access to a certain number of batches in which are placed the monitored units he wants to see. He can define a home page by default which is displayed at each of his connections. This home page is modifiable in his profile

The user is also assigned to a zone of the geographical organization of the domain which allows direct access to the monitored units which are assigned to him.

11. Batch

A monitored unit batch is a group of units which enables the organization of the monitoring system. There is no limit on either the number of batches or the number of units per batch.

A batch can contain units from several different zones and a monitored unit can belong to several batches.

Each «Domain» has a default batch named «default batch» which cannot be deleted but which can be renamed.

A monitored unit is required to be in a batch. When a monitored unit is created, it is automatically placed in the batch. It can subsequently be assigned to other batches.

12. Technical batches

Technical batches serve to group technical devices which are not directly linked to a monitored unit: equipment for communication, relay, alarm...

13. Threshold alarms

a) **Allowed overrun duration**

This concerns the duration of a threshold overrun acceptable by the monitored products before an alarm is triggered. In other software, this notion is also called « Alarm delay ».

Allowed duration of continuous overrun

An alarm with an « allowed duration of continuous overrun » is triggered when the measured value remains above a threshold during the entire defined time duration, without interruption.

The allowed overrun duration is reinitialized if the measured value returns to normal before the end of the countdown.

- The allowed overrun duration (delay) is a multiple of the measurement frequency of the measurement point.

Allowed cumulative overrun duration

An alarm with a « cumulative overrun duration » is triggered when the sum of the different overrun durations for a given threshold exceeds the defined time duration over a given recording period (sliding period):

Ex: Authorized overrun duration = 1h over a 24h period.

The alarm will be triggered when the measurement point exceeds the threshold for more than 1h (by a single occurrence or « x » occurrences) over the past 24 hours.

- The authorized overrun duration is set by default to be continuous; if a cumulative duration is desired, this must be specified.
- A maximum duration of taking in charge (sliding period of cumulative threshold overruns, example: 1 hour of overrun over 24h, 1 week...)

b) **MKT Threshold**

An MKT overrun alarm is triggered when the MKT calculated over a sliding period defined by the user exceeds the defined threshold value.

c) **Threshold criticality**

For each threshold, the user can define whether or not it is critical. This allows the differentiation between critical and noncritical thresholds for the notification of the different persons in the management of the alerts.

14. Technical alarms

A technical alarm is an alarm which involves the equipment, as opposed to threshold alarms which apply to performed measurements.

Among the technical alarms are those related to the state of the battery, a sensor problem, a communication problem... but also other alarm types such as metrological or maintenance alarms.

- **Battery alarm:** The energy level of the device batteries is continuously monitored by JRI MySirius. As soon as the value passes below 40% remaining energy, the device enters the technical alarm and flashes blue. The treatment of the technical alarm is then managed by JRI MySirius.

 When a device enters the technical alarm, there remain about 4 to 6 weeks of autonomy to allow for changing the battery.

- **Sensor error:** The devices are capable of detecting the integrity of their sensor(s). If they detect an error, they send a technical alarm message to JRI MySirius which triggers a technical alarm and displays it on the screen (see technical alarm management)
- **Sensor error:** The devices are capable of detecting the integrity of their sensor(s). If an error is detected, they will send a technical alarm message to JRI MySirius which triggers a technical alarm and displays it on the screen (see Alarm Management)
- **Communication error :** Communication errors are managed and detected by JRI MySirius, which detects an absence of received data. Activation allows notification when this situation occurs, providing assurance that all the measurements are correctly transmitted. To activate (see General preferences)


15. Time zones

The timestamp of the measurements is dependant of the time zone defined at the creation of the customer account. whatever the country from which the user desires to view the measurements.

Ex: if a customer from Paris views his data from New York, the dates and times will be those of Paris.

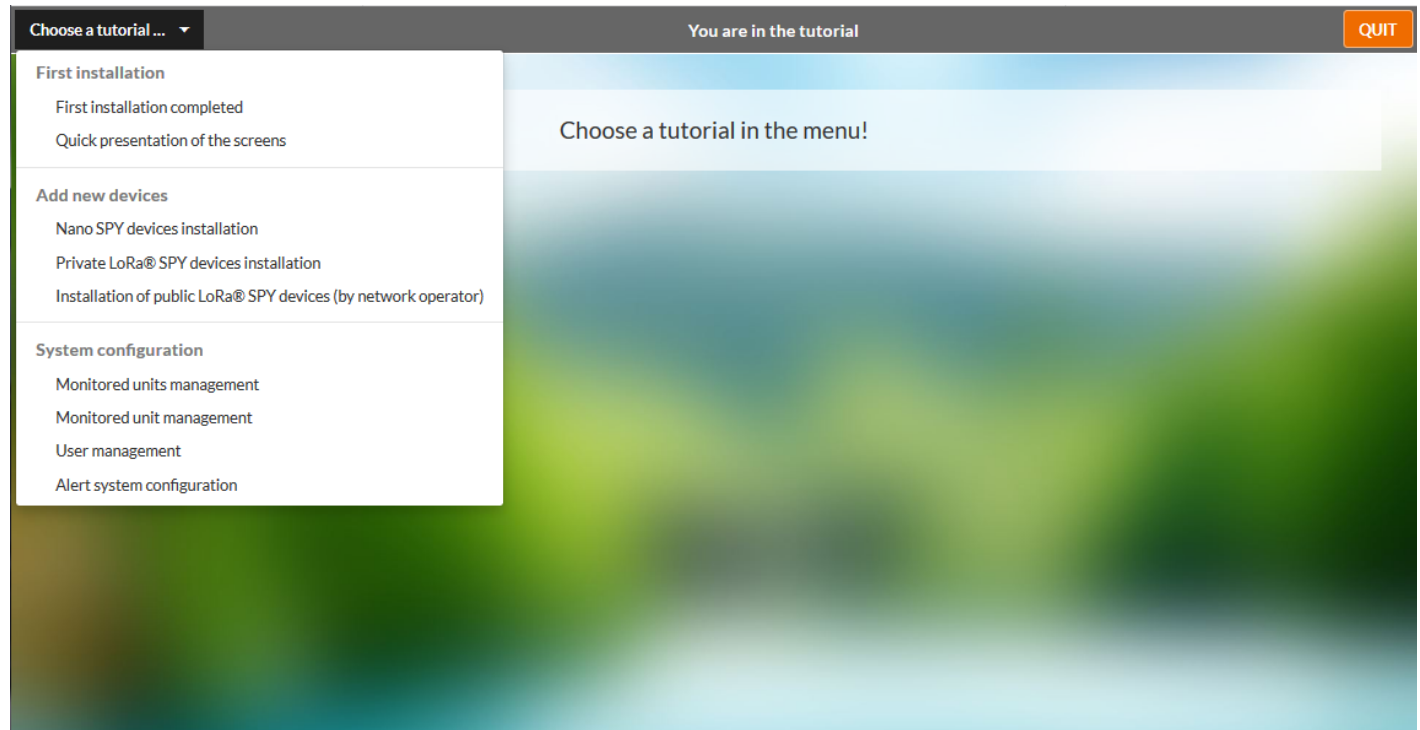
III. TUTORIALS

To help you to configure your monitoring system, MySirius offers different tutorials that will guide you step by step through all the configuration steps.

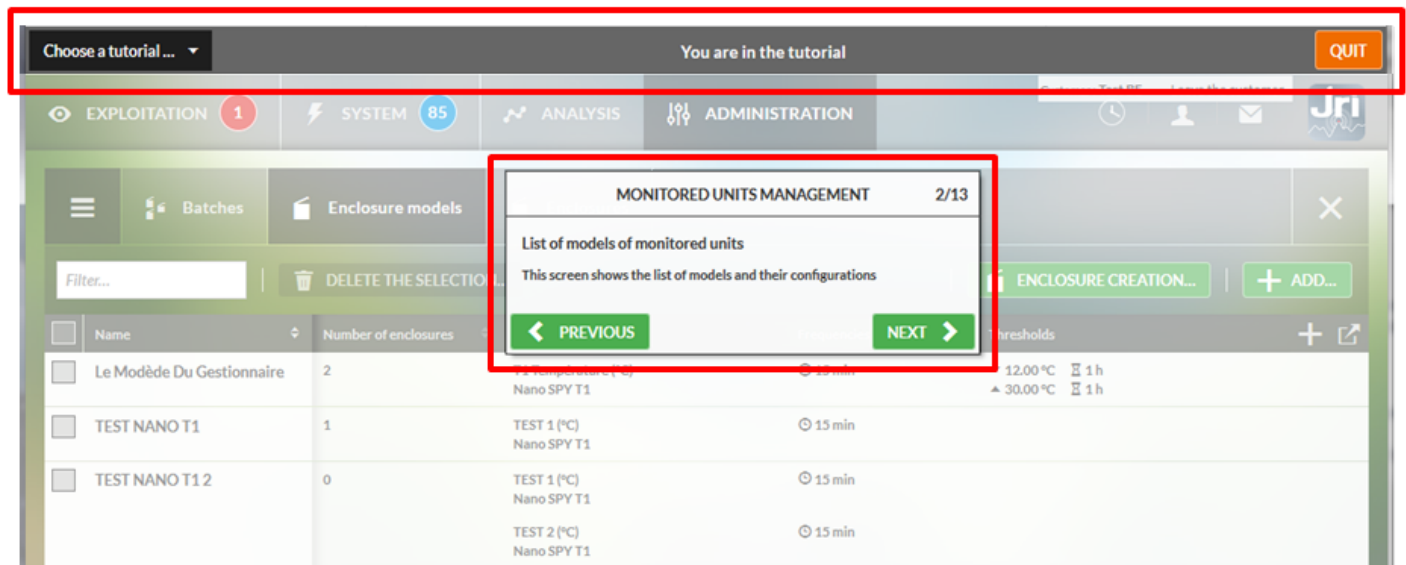
To run a tutorial, click the  button on the “Administration” tab.

Then click on the item **“Tutorial”** of the section **“Assistants”**

Choose the tutorial from the list and let MySirius guide you.



The windows that are displayed are directly related to the chosen tutorial and the instructions are given using popups.



- The top banner tells you that you are following a tutorial, that you can leave it or change it.
- All the actions that you carried out until validation or registration are taken into account by MySirius.

⚠ If you leave the tutorial or change it before the end, all the entries made are lost

IV. PROFIL CUSTOMIZATION

To customize your profile see User account management

1. Administrator subscription section

! The self-calibration feature is only available for MySirius CLOUD version.

The administrator can choose whether or not to receive JRI communications on the following subjects:

1. ADMINISTRATIVE
 - Contracts
 - Billing
2. METROLOGICAL
 - Certificate management
 - Recurring services or on metrology sites
3. TECHNIQUE / EXPERT
 - Distribution of technical information
 - Intervention
 - Software updates
 - Remaining sms/call

The screenshot shows the 'PERSONAL DATA' and 'ALERT MANAGEMENT' tabs. The 'USER ACCOUNT' section includes fields for Name (MKT admin maboutit), Culture (en-US), Login ID (mkt), Time zone ((UTC+01:00) Brussels, Copenhagen, Madrid, Paris), and Password (masked). The 'ASSIGNMENTS' section shows Profile (Administrator) and User groups (GROUPE 1). The 'MYSIRIUS CONFIGURATION' section includes Home page (Monitoring) and a Graphical theme selection grid. The 'SUBSCRIPTION' section is highlighted with red boxes and numbers 1, 2, and 3, indicating the areas where the administrator can choose to receive JRI communications.

Subscription Category	Administrative (contracts / billing)	Metrological (certificate management / recurring services or on metrology on sites)	Technical / Expert (distribution of technical information / intervention / software updates, remaining sms/call)
1	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

Please note that the **Subscription** feature is only available to users with a MySirius CLOUD subscription. # Equipment declaration

2. Gateways

Gateway refers to the communication devices in JRI MySirius. These devices are used to transfer data from Nova SPY or Nano SPY or LoRa® SPY (connected probes) to JRI MySirius. For the Nova SPY & Nano SPY, the gateway is called Nano SPY LINK and must be installed first to allow detection of the Nova SPY & Nano SPY devices .

There are 2 types:

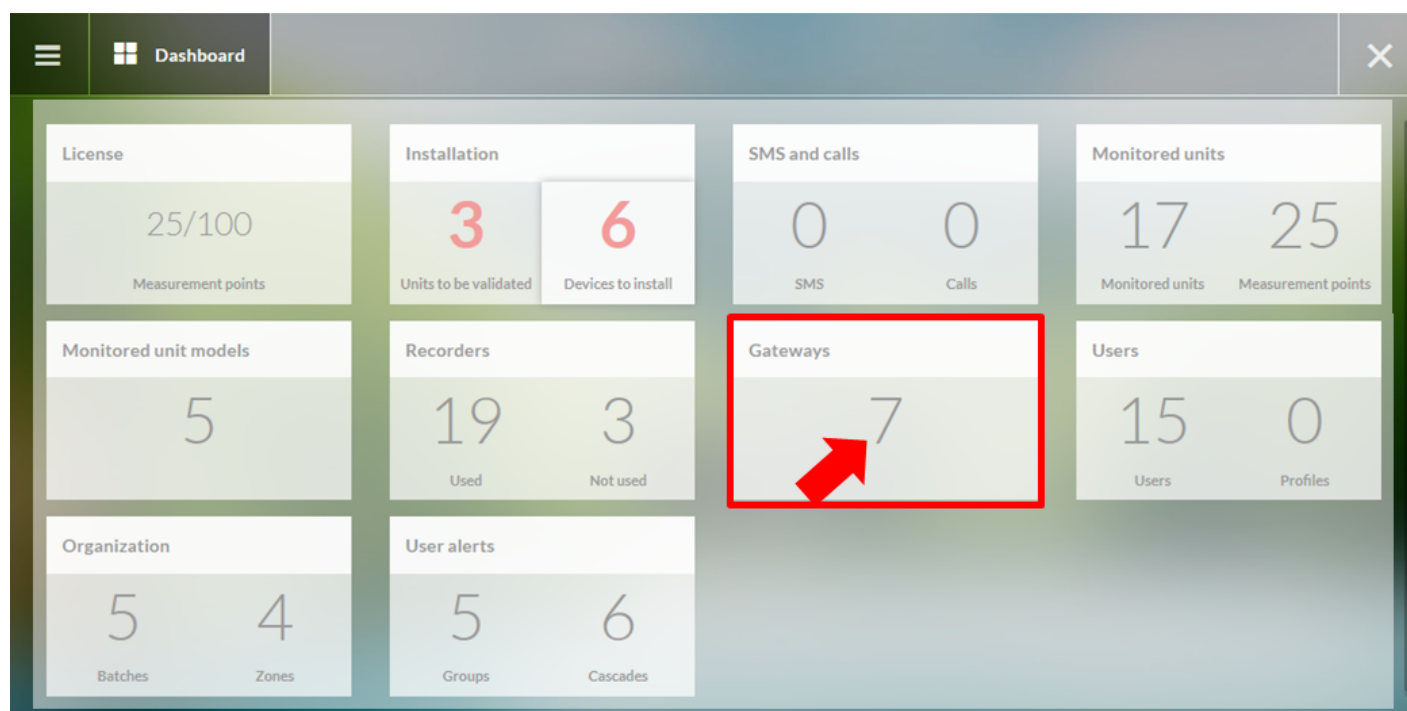
- Nano SPY LINK Ethernet
- Nano SPY LINK WiFi

For the LoRa SPYs communication with MySirius, we use JRI LoRa Gateways.


a) Nano SPY LINK Ethernet

Ethernet version:

- Provide an Ethernet socket on an ADSL access point or on a company network located less than 3 meters from the Nano SPY LINK.
- Provide also a mains outlet less than 3m from the Nano SPY LINK if this is not at POE version.
- Make certain that the port 13251 is open on your router (refer to the instructions for your ADSL box for its configuration) or verify with your IT service.
- The network must be programmed in DHCP and accept DNS requests.
- Open JRI MySirius and select the “Administration” pane.
- Click on the Gateways tile.



The list of installed Nano SPY LINK devices is displayed. For a first installation it will be empty.

- Click on 
- Then fill in the fields of the dialog box which opens. Click “Save” when finished

If all has gone well, the Nano SPY LINK declared will appear in the list

Gateways

Alert sytems

Technical batches

Relay/Alarm

Filter...

DELETE THE SELECTION...

+

ADD

NanoSpy (6)

LoRaSpy (1)

<div></div>	Serial number	Name	Zone	Date of last message	Inventory number	<div>+</div>	<div></div>
<div></div>	A00002	Link BEZWIF	Opérations	11 Dec 2017 16:05			
<div></div>	A00007	Test Mkt New N°2	Bezons	25 Apr 2017 11:14			
<div></div>	A00010	Pascal Link	Feschés	27 Sep 2017 15:34			
<div></div>	A00011	Link Fabrice	JRI	11 Jul 2017 14:06	A00011		
<div></div>	A00014	Bureau Mkt	Bezons	11 Dec 2017 16:05			
<div></div>	A00015	Link BEZETH	Opérations	11 Dec 2017 16:05			

- Put in place and connect the Nano SPY LINK. If the installation takes place correctly, the indicator lights “Network” et “Cloud” come on indicating that the Nano SPY LINK is connected to JRI MySirius.

If the “Cloud” indicator light of the Nano SPY LINK does not turn on:

- verify that the port 13251 is indeed open,
- connect the Nano SPY LINK to the network as well as to the USB socket of the PC (see: Nano SPY LINK instructions), 3 download and install the application « Network ConfigLink » from the site : <http://www.jri.fr> then follow the instructions,
- verify the network addresses. If needed put the Nano SPY LINK as fixed IP address if your network is not in DHCP then enter the addresses.

When finished, the ‘Network’ and ‘Cloud’ indicator lights come on to show that the SPY LINK is connected to JRI MySirius. Put it back in place.

b) Nano SPY LINK WiFi

! Make sure that you are in a zone of WiFi coverage.

- Provide also a mains outlet less than 3m from the Nano SPY LINK if this is not at POE version.
- Make certain that the port 13251 is open on your router (refer to the instructions for your ADSL box for its configuration) or verify with your IT service.
- The network must be programmed in DHCP and accept DNS requests.

At reception, the Nano SPY LINK contains no connection information (SSID and password):

- connect the Nano SPY LINK to a PC using a maintenance USB socket,
- run the dedicated software program to enter the WiFi parameters.

Once the parameters are entered, the Nano SPY LINK is operational.

Any modification of the WiFi router parameters will require performing the following actions.

Configuration

- Download and install the application « ConfigLink Network » from: <http://www.jri.fr>
- Run the application « ConfigLink Network.exe »

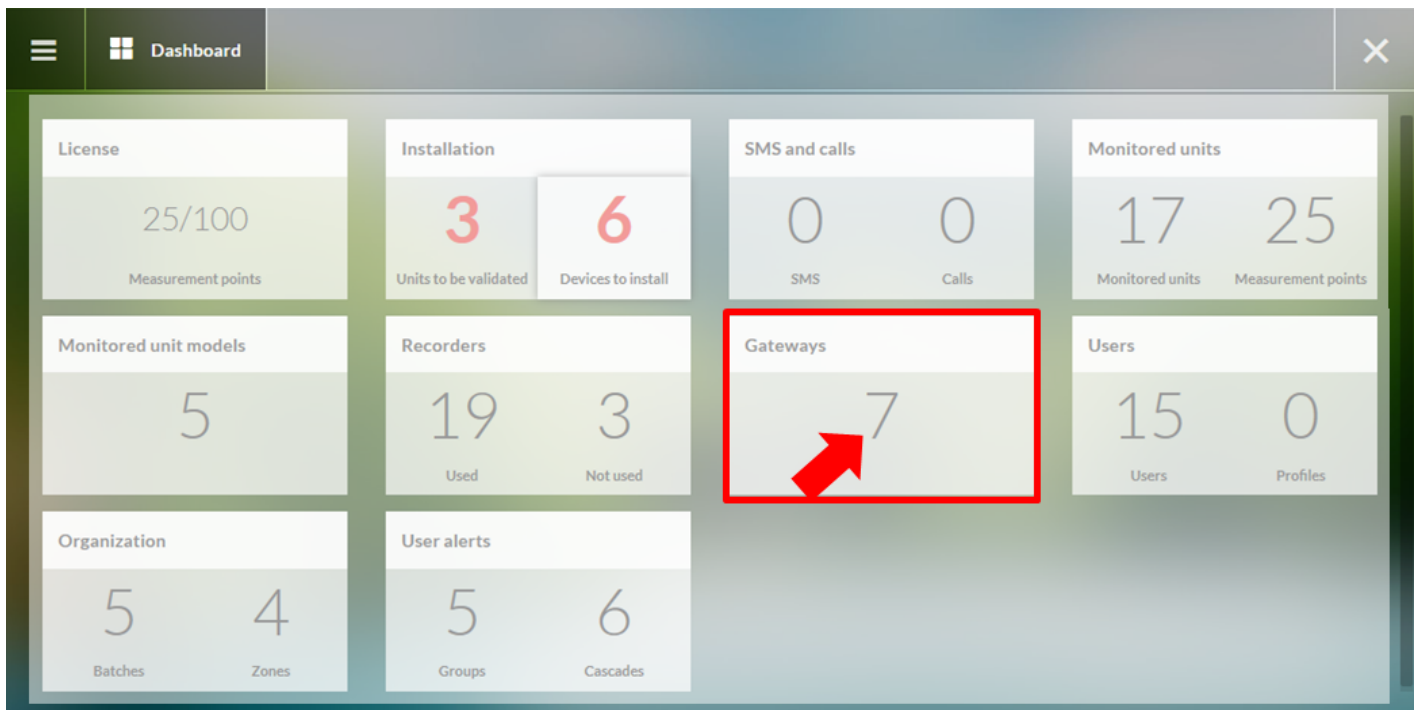
Once the Nano SPY LINK is connected to the PC, start the application and follow the indications on the screen:

- Select the com port to which it is connected and load its configuration. When the Nano SPY LINK is recognized, its image appears. Click on configuration
- enter the SSID,
- enter the password,
- save the parameters,
- restart the Nano SPY LINK.

At this moment, the Nano SPY LINK will restart and try to connect to the WiFi network. The indicator lights “Network” and “Cloud” lit indicate that the Nano SPY LINK is connected to JRI MySirius.

❗ For the 2 types of Nano SPY LINK, if one of the lights "Cloud" or "Network" do not light, refer to the prerequisites communicated during the site pre-visit and verify that the access point ports are indeed open

You can verify the correct declaration of the Nano SPY LINKs in the "Administration" pane of JRI MySirius



The « Gateways » tile of the "Administration" dashboard allows you to know the number of Nano SPY LINKs installed. By clicking on it you can edit the list to verify the serial numbers.

The screenshot shows the JRI MySirius Gateways management interface. It features a table with columns for Serial number, Name, Zone, Date of last message, and Inventory number. The table lists 6 NanoSpy devices and 1 LoRaSpy device. A filter bar at the top allows for searching and deleting selections. A green '+ ADD' button is visible in the top right corner.

Serial number	Name	Zone	Date of last message	Inventory number
A00002	Link BEZWIF	Opérations	11 Dec 2017 16:05	
A00007	Test Mkt New N°2	Bezons	25 Apr 2017 11:14	
A00010	Pascal Link	Feschès	27 Sep 2017 15:34	
A00011	Link Fabrice	JRI	11 Jul 2017 14:06	A00011
A00014	Bureau Mkt	Bezons	11 Dec 2017 16:05	
A00015	Link BEZETH	Opérations	11 Dec 2017 16:05	

For that which concerns the physical installation, refer to the user manual of the Nano SPY LINK.

c) LoRa Gateways

The LoRa Gateway ensure the communication between LoRa SPYs or LoRa TEMP' probes and MySirius platform.

There is 2 types :

- Public Network LoRa Gateway : declared by default bt JRI on a configuration with public LoRa network subscription.
- Private LoRa Gateway (4G or Ethernet): You have to add it manually from the ADMINISTRATION section, click on GATEWAYS then select ADD.

You have to select GATEWAY LORA SPY and key in all the required information (Serial number, name ...)

! The LoRa devices should be started only after the Gateway is added and is fully operational

3. Alert and relaying devices

a) Nano SPY ALARM

The Nano SPY ALARM has two functions:

1. Acts as a relay in the transmission of the measurements between the Nova SPY or the Nano SPY and the Nano SPY LINK
2. Acts as a local alert device in the event of an alarm.

Once the Nano SPY LINKs are declared and installed, the Nano SPY ALARMS are detected and added automatically.

Gateways	Alert Settings	Technical batches	Relay/Alarm							
Filter...		DELETE THE SELECTION...		+ ADD						
<input type="checkbox"/>	Serial number	Name	Type	Zone	First use	Last message	Gateway	Inventory Number	Linked devices	
<input type="checkbox"/>	AD9890	AD9890	Nano SPY ALARM	Validation - Mysirius 1.0	Mar 12, 2024	Apr 10, 2024 11:18 AM	LINK ALEX AE0689			
<input type="checkbox"/>	AE1102	AE1102	Nano SPY ALARM	Validation - Mysirius 1.0	Apr 16, 2024	Apr 16, 2024 10:50 AM	LINK WIFI 4.4.4			
<input type="checkbox"/>	AE1112	AE1112	Nano SPY ALARM	Validation - Mysirius 1.0	Apr 16, 2024	Apr 16, 2024 9:50 AM	LINK ALEX AE0689			
<input type="checkbox"/>	AE1113	AE1113	Nano SPY ALARM	Validation - Mysirius 1.0	Apr 16, 2024	Apr 16, 2024 9:47 AM	LINK WIFI 4.4.4			
<input type="checkbox"/>	AE1115	AE1115	Nano SPY ALARM	Validation - Mysirius 1.0	Apr 16, 2024	Apr 16, 2024 10:53 AM	LINK WIFI 4.4.4			

b) LoRa SPY Alarm

LoRa SPY Alarms act as a local alert device in the event of an alarm on one of the devices in the LoRa range. They transmit alerts visually from LoRa SPY and LoRa Temp' devices.

You need to declare it manually from the ADMINISTRATION tab, click on RELAY/ALARM and then ADD.

Then select the LoRa Relay/Alarm type and fill in all the required fields.

Device Type	LoRa® Relay/Alarm
Serial number	<input type="text" value="Enter serial number"/>
Name	<input type="text" value="Enter name"/>
Gateway	<div>Select a gateway</div>
Inventory number	<input type="text" value="Enter inventory number"/>
Zone	<div>Select a zone</div>

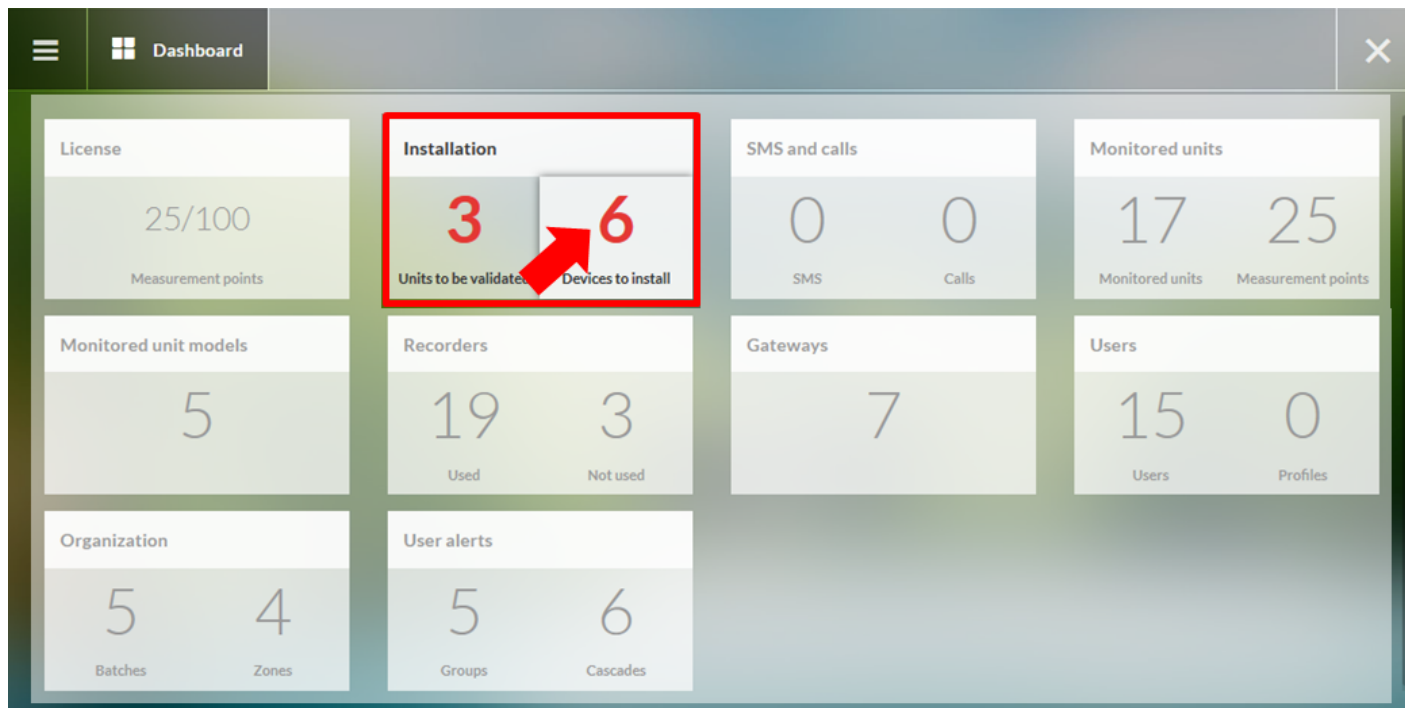
CANCEL

SAVE

4. Wireless probes and recorders

a) Nova SPY & Nano SPY

To add a Nova SPY or a Nano SPY in MySirius, insert a battery and switch it on (see Nova SPY or Nano SPY user manual).The detected Nova SPY's or Nano SPYs are displayed in the "Administration" tab in the "Installation" indicator:



As long as the devices are in waiting state, they cannot be used to monitor a monitored unit. To finalize the declaration and render them usable of monitoring, click on the number of waiting devices.

RECORDER INSTALLATION

Select the recorders you wish to install

The recorders must communicate to appear in the list.

You can refresh the list to see the devices you have just turned on. [Refresh...](#)

<input type="checkbox"/>	Type	Serial number	Gateway	Date of last message
<input type="checkbox"/>	Nano SPY TH	SY1609800029	Bureau Mkt	2 minutes ago
<input type="checkbox"/>	Nano SPY TH	SY1609800042	Bureau Mkt	a minute ago
<input type="checkbox"/>	Nano SPY T2	SY1609800097	Link BEZETH	a minute ago
<input type="checkbox"/>	Nano SPY T2	SY1609800142	Bureau Mkt	a minute ago
<input type="checkbox"/>	Nano SPY T2	SY1609800171	Bureau Mkt	2 minutes ago
<input type="checkbox"/>	Nano SPY T1	SY1701200052	Bureau Mkt	2 minutes ago

[CANCEL](#) [NEXT](#)

Select the devices for which you want to finish the installation then click on “Next”.

RECORDER INSTALLATION

Do you wish to create a unit for each selected recorder?

[YES](#) [NO](#)

A unit with basic configuration will be created for each recorder
You can then modify them individually or apply a model from the monitored unit management screen.

The recorders and measurement chains will be added to the park and made available.
If you install them in a new monitored unit, you will need to create them in the monitored unit management screen.

[CANCEL](#) [SAVE](#)

You now have the choice whether or not to create a monitored unit.

- If you choose “NO”, the recorder will add to the list of available devices which will be proposed for the creation of units (see creating a monitored unit).
- If you choose “YES”, JRI MySirius will directly create the monitored units. It will then be necessary to configure them (see unit configuration)

a).1 Nano SPY Universal For Nano SPY U, you must specify the type of sensor (analog input) connected to the device. (0-1V, 4-20mA, On/Off ...)

From version 4.0 of the Nano SPY, it is possible to declare PT100 High T° probes (300°/700°C).

Sélectionnez le type de sonde branchée pour chaque enregistreur ci-dessous

Type	Número de série	Type de sonde	N° de série de la sonde
Nano Spy Universel	PO2034505680	<div> 0-1 Volts 0-20 mA 4-20mA Comptage PT100 PT100 Haute T° Tout ou Rien </div>	Saisissez le numéro de série de la sonde
PO2026603473	PO2026603473		#1 Comptage counter
PO2034505980	PO2034505980		#1 4-20mA test
PO2102506510	PO2102506510		

⚠ Be aware of choosing the right scale configuration for 0-20mA / 4-20mA / 0-1V inputs

a).2 PREFERRED NANO LINK / RELAY configuration (Dynamic/static radio communication) By default, when you activate a Nova SPY or a Nano SPY, it communicates automatically with the available LINK or RELAY. It is possible to “force” a Nova SPY or a Nano SPY to communicate with a preferred LINK or a RELAY. In ADMINISTRATION tab, RECORDERS tile, click on the serial number of a device then select NO for dynamic connection. Choose a LINK or RELAY from the list and SAVE. If the preferred LINK / RELAY does not respond, the Nova or Nano will automatically switch to other available LINKS or RELAYS.

MODIFY A SENSOR

Device Type: Nano SPY T1

Serial number: MS2016302952

Name: MS2016302952

Inventory number: Enter inventory number

Dynamic connection: YES NO

Gateway/Relay: LINK MKT

CANCEL SAVE

b) LoRa® SPY & LoRa® Temp'

- The LoRa® SPY and LoRa® Temp' devices used on public LoRa network (Orange; Objenious) do not self-declare; declaration must be performed manually after provisioning the devices on the provider's platforms (Spot or Live Objects).

The screenshot shows the 'Administration' tab in the MySirius interface. A table lists various recorders with columns for Serial number, Name, Type, Enclosures, First use, Last use, and Owner. A tooltip points to the 'Objenious' owner, stating: 'A self-declared recorder... A recorder manually.....'.

Serial number	Name	Type	Enclosures	First use	Last use	Owner
AA16265003	AA16265003	LoRa® SPY T1	Test LoRa SPY 003	13 Mar 2017	2 Dec 2017 15:19	Objenious
AA16265004	AA16265004	LoRa® SPY T1	Test LoRa SPY 004	13 Mar 2017	6 Dec 2017 09:03	Objenious
BB99999999	TEST LP	LoRa® SPY T1		-	-	Objenious
SY1608100017	SY1608100017	Nano SPY T3-	SY1608100017	15 Sep 2017	26 Oct 2017 17:43	Bureau Mkt
SY1609800024	SY1609800024	Nano SPY TH	TH_024	31 Mar 2017	8 Dec 2017 13:57	Bureau Mkt
SY1609800041	SY1609800041	Nano SPY TH	TH_041	7 Feb 2017	22 Sep 2017 17:12	Bureau Mkt
SY1609800063	SY1609800063	Nano SPY TH	LOCAL INFORMATIQUE_TH	3 Feb 2017	8 Dec 2017 13:57	Link BEZET

For this click on “Administration”, select the “Recorder” indicator then “Add a recorder manually”.

The screenshot shows the 'ADD A RECORDER' form. It has a 'Device type' dropdown menu with the text 'Select a device type'. At the bottom, there are 'CANCEL' and 'SAVE' buttons.

Follow the instructions to finish the declaration.

- The LoRa® SPY and LoRa® Temp' devices used with private LoRa Gateways are self-declared after activation; they're detected by the closest Gateway and added automatically in the list of Self-declared devices in MySirius.

c) SPY RF

The SPY RF devices can be imported from an existing SIRIUS STORAGE installation through the ACCESS POINT tool. See more configuration details on the ACCESS POINT procedure.

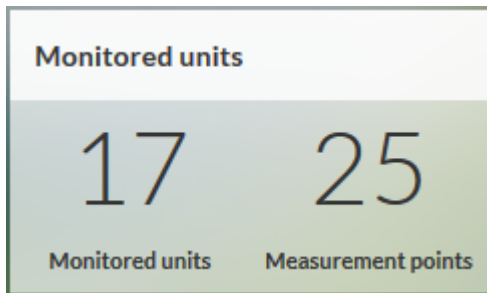
d) Choice of a PREFERENTIAL LINK or RELAY


By default, the choice of radio paths on the NANO range is done dynamically. When a NANO SPY is activated, it connects to the available LINK or RELAY. It is possible to “force” a NANO SPY to communicate preferably with a LINK or a RELAY. In ADMINISTRATION / RECORDERS, click on the serial number of a device and select NO for the dynamic connection. Choose a LINK or RELAY from the list and SAVE. If the preferred LINK / RELAY does not respond, the NANO SPY will automatically switch to other available LINKS or RELAYS.

V. MONITORED UNIT CREATION

Following declaration of the probes, the monitored units must be declared. The monitored units will be associated with the measuring points automatically created during the declaration of the recorders to allow visualization of the variations in the monitored quantity.

To create a monitored unit, click on the “Units” indicator on the dashboard of the “Administration” page



Or else via the menu  from any open page in “Administration”.

Then click on 

JRI MySirius will propose:

1. either to create a monitored unit from a model,
2. or to create a monitored unit starting from a new unit.

1. Creation starting from a new unit

Clicking on this choice opens the window “Add a monitored unit”. Fill in the required fields of the 2 sections:

a) **CONFIGURATION:**

The screenshot shows the "ADD A MONITORED UNIT" form. The top navigation bar includes "MONITORING 1", "SYSTEM 2", "ANALYSIS", and "ADMINISTRATION". The left sidebar has "Monitored unit" with sub-items "Configuration" (highlighted in green) and "Characteristics (Optional)", and "Measurement points" with "Add a measure point". The main form area contains the following fields:

- Name:** Freezer 1295
- Inventory number:** Enter inventory number
- Zone:** Site de Bezons (dropdown menu)
- Batches:** CHF X (dropdown menu)
- Create a new batch:** YES NO (radio buttons)
- Monitored unit with metrological requirement:** YES NO (radio buttons)
- Monitored unit with schedule:** YES NO (radio buttons)

- **Nom** : This field is required. If it is not filled in, it will not be possible to continue the monitored unit creation
- **Inventory no.** : Field not obligatory. This will depend on the management of the material put in place.

- **Zone** : Field not obligatory. This field enables the positioning of the monitored unit in a geographical zone of the installation. If no geographical organization has been defined, the monitored unit will be placed in the default zone.
- **Batches** : Field not obligatory. This field enables the grouping of the monitored units into batches. If no organization by batch has been defined, the monitored unit will be placed in the default batch. If no batch exists or if the batch in which the monitored unit must be placed does not exist, click on **“Create a new batch...”** (see batch creation).
- **Metrological requirement** : Characterize your unit by indicating whether or not it is subject to metrological requirements. This information enables the management of indicators and alerts on the metrological services.
- **Operating schedule** : This information is important if you use monitored units that do not operate continuously. This allows you to avoid monitoring and managing alerts or to manage them according to different thresholds during certain periods. to set an operating or function schedule :
 - Open the configuration menu of a monitored unit, and select YES for the parameter **“MONITORED UNIT WITH SCHEDULE”**.

MONITORING
SYSTEM
ANALYSIS
ADMINISTRATION

ADD A MONITORED UNIT

Monitored unit

Configuration

Characteristics (Optional)

Measurement points

Add a measure point

Name

Freezer 1295

Inventory number

Enter inventory number

Zone

Site de Bezons

Batches

CHF

Create a new batch

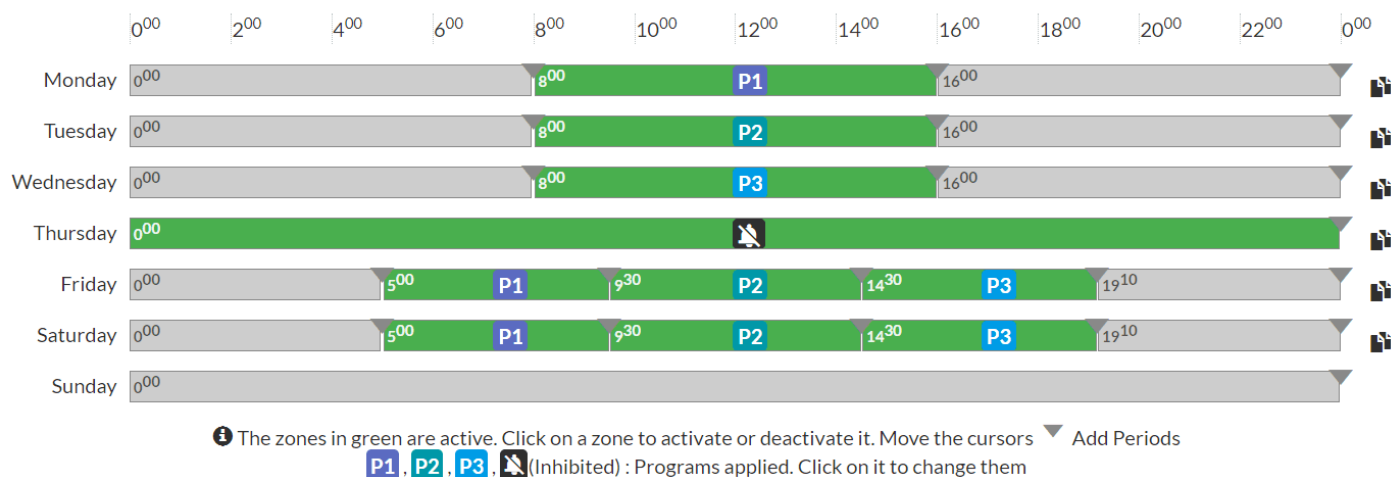
Monitored unit with metrological requirement

YES NO

Monitored unit with schedule

YES NO

- Customise the weekly schedule displayed. It is possible to divide a day into several time slots using the sliders



CANCEL

SAVE AND APPLY

- Enable/disable the recording of values on a zone by clicking on it
 - Grey zones = No recording of values and no alerts triggered (thresholds / technical alerts)
 - Green zones = Recording of values with management of alerts
 - Zones with programs P1, P2, P3 = Triggering of alarms according to the thresholds and delays defined in each program
 - Zones with alarm inhibition = Inhibition of alarms.
- Set the alert programs (criticality, thresholds, time delay, etc.) for each measurement point

b) CHARACTERISTICS:

This information is optional and shown in the monitored unit details.

- **Type**
- **Manufacturer name**
- **Manufacturer reference**
- **Manufacturer serial number**
- **width (m)**
- **Height (m)**
- **Depth (m)**
- **Picture:** A picture of the monitored unit can be added for an easier identification. It can also be a picture of the measurement point (s) location in the monitored unit. It is recommended to use JPEG or PNG files (50 Kb max).

c) Add measurement points:

Click on “Add a measurement point” the measurement point appears under the monitored unit name.

The screenshot shows a web interface titled "ADD A MONITORED UNIT". On the left, there is a sidebar with a list of monitored units. The first unit is "Fridge 1", which is highlighted with a green bar and the number "1". Below it is a button labeled "Add a measuring point". The main area of the interface shows the details for the selected unit, "Fridge 1". There is a "Name" field with the value "Fridge 1" and a "Measurement chain" dropdown menu with the value "Select the measurement chain". In the top right corner of the main area, there is a red button labeled "Delete this measurement point".

- **Name** : identification of the measurement point.
- **Measurement chain** : Select the measurement chain from the list proposed by JRI MySirius. Depending on the type of measurement chain selected JRI MySirius displays the configurable parameters.

ADD A MONITORED UNIT

Monitored unit

Configuration

Characteristics (Optional)

Measurement points

1.

Add a measure point

+ Add a virtual measurement point

Delete this measure point

Name

test -

Measurement chain

DA00010002 (°C)

Unit

°C

Recording frequency

15 min

Recording alarm frequency

15 min

ADVANCED OPTIONS

ALARM THRESHOLDS

Type	Criticality	Value (°C)	Allowed overrun duration	Cumulative	Period (h)
No alarm threshold defined					
+ Add a threshold					

FAIL SOFT MODE CONFIGURATION

Wait time before "offline" mode activation

1 h

Alarm mode

Immediate

High threshold

100

°C

Allowed overrun duration

0

CANCEL

SAVE AND APPLY

SAVE

- **Unit** : Choose the measurement unit of the measured quantity from those proposed by JRI MySirius.
- **Recording frequency** : Depending on the type of measurement chain, it will be possible to choose two recording frequencies : one for "normal" operation when all is going well, and another higher frequency when an alarm is triggered and until acknowledgement.
- **Display advanced options**: Contents adapted according to the type of measurement chain used.
 - **Standard mode** (Nova SPY & Nano SPY): Measurement + transmission every minute. Recording and triggering of alerts according to the threshold settings.
 - **Fast monitoring mode** (All version of Nova SPY & Nano SPY from V4.0): Measurements up to 5 seconds for quick detection of a threshold violation. Transmission every minute and recording in 1 minute minimum.

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Administration guide - 5.0

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▼ ADVANCED OPTIONS

Working mode	Fast monitoring
Start mode	Immediate
Stop mode	No end

▼ ALARM THRESHOLDS


Type of uncertainty	None	▼
---------------------	------	---

Type	Criticality	Value (°C)	Allowed overrun duration
High threshold ▼	✓	50	0
			5 s
			10 s
			15 s
			20 s
			25 s
			30 s

+ Add a threshold



CANCEL SAVE AND APPLY

* **Start/Stop**: The choices offered by My Sirius depend on the type of measurement chain.


- **Alarm thresholds** : Click on  **Add a threshold** to add an alarm threshold.

ALARM THRESHOLDS					
Type	Criticality	Value °C	Allowed overrun duration	Cumulative	Period (h)
High threshold	<input type="checkbox"/>	10	0	<input type="checkbox"/>	<input type="checkbox"/>
+ Add a threshold					

- Choose the type of threshold (High, Low or on MKT)
- Indicate whether or not it is critical. This information allows qualification of the nature of the monitored unit and/or its contents as well as notification of specific persons in the event of an alarm.
- Enter the threshold value.
- Select the authorized duration of overrun from the list proposed by JRI MySirius.
- A checkbox appears in the column “Cumulative?”
 - Do not check the box if you wish for the overrun duration to be continuous before triggering an alert.
 - Check the box if wish to trigger the alert following a succession of overruns.
- If you have checked the box “Cumulative?” define over what period of time you wish to monitor the successive overruns. This period is sliding and is reinitialized automatically when an alarm is triggered. Example :


Type	Criticality	Value (°C)	Allowed overrun duration	Cumulative	Period (h)	
High threshold ▼	✓	10	40 min ▼	✓	4	 
+ Add a threshold						

High threshold / Value = +10°C / Duration of authorized overrun = 10 minutes / Cumulative over 4h. The alert will be triggered when the temperature will have exceeded the threshold for 10 minutes in one or several occurrences during the last 4 sliding hours. The duration of the period is automatically reinitialized after the triggering of an alarm.

- Click on  to add a threshold with the same parameters.


Depending on the type of measurement chain, it will be possible to manage up to 4 alarm thresholds.

- **The “Non connected” mode** is available only for the Nova SPY & Nano SPY. This mode is provided so that the Nova SPY or the Nano SPY that lose communication with JRI MySirius can detect threshold alarms. In normal operation, the Nova SPY or the Nano SPY sends its measurements once per minute to JRI MySirius which manages the thresholds and the recording of the measurements.
- **Waiting time before activation of “offline” mode.** This is the time at the end of which the Nova SPY or Nano SPY itself detects its alarms and manages the color of its status LED if it does not receive a return acknowledgement of the transmission of its measurements. It memorizes the information and transmits it as soon as communication is re-established.
- **Alarm mode :** select from the 3 choices proposed by JRI MySirius * *Maintained* signifies that the Nova SPY or the Nano SPY will remain in alarm (red LED lit) even if the T° returns within the thresholds
 - *Immediate* signifies that the Nova SPY or Nano SPY follows the temperature values. It will be red if the temperature exceeds the thresholds and return to green as soon as the temperature returns within the thresholds.
 - *No alarm management*


Click on the button  to duplicate the thresholds and authorized durations of overruns already entered in “alarm thresholds” or else fill in the fields if these values are different.

The thresholds are duplicated according to:

- their number: if there is only a high threshold and a low threshold, the two thresholds will be duplicated. If there are four, the lower high pre threshold and the highest low pre threshold will be duplicated (eg HTh = 30 and 25 and LTh = 10 and 5, the duplicate thresholds will be 25 and 10. Other example : BTh = 30, 25 and 20 and LTh = 5 then the thresholds 20 and 5 will be duplicated)
- their criticality: if you have critical and non-critical thresholds, the critical thresholds will be duplicated according to the rule above.

 The thresholds entered for the “off line” mode are only used to manage the status leds of the device (LED colors) locally. When MySirius upload the data from the device, the thresholds defined in MySirius are used to detect thresholds overrun.

If you want to add another measurement point, click on “Add a measurement point », otherwise click on “Save and Apply” or on “Save” to validate the creation of the monitored unit.

- **Virtual measurement point** It’s possible to add a virtual measurement point to simulate a “CORE TEMPERATURE” of a product using a specific algorithm (Product Profile). Once a measurement point is created, click on the button 

and fill in the fields of the following page :

MONITORING

SYSTEM

ADMINISTRATION

ADD A MONITORED UNIT

Monitored unit

Configuration

Characteristics (Optional)

Measurement points

1.

2. V

Add a measure point

Measurement point

Name

test -

Product profile

Select a product profile

ALARM THRESHOLDS

Type	Criticality	Value (°C)	Allowed overrun duration	Cumulative	Period (h)
No alarm threshold defined					

+ Add a threshold

Delete this measure point

i Virtual measurement points are identified with the V flag in the list of measurement points and associated graphs

⚠ Adding a virtual measurement point is counted as a simple measurement point in your subscription

- **Computed measuring point:** It is possible to add a calculated measurement point to display a value calculated from 2 measurements from 2 different sensors. To create a calculated measurement point, select "Create a computed measurement point" from the list of measurement chains.

MONITORING

SYSTEM

ADMINISTRATION

ADD A MONITORED UNIT

Monitored unit

Configuration

Characteristics (Optional)

Measurement points

1.

Add a measure point

Name

Frezer 1295 -

Measurement chain

AD2215900257 (°C)

Add a computed measuring point

Delete this measure point

The following configuration page is used to enter the name, formula, unit, recording frequency and thresholds for the computed measuring point:

MONITORING

SYSTEM

ANALYSIS

ADMINISTRATION

ADD A MONITORED UNIT

Monitored unit

Configuration

Characteristics (Optional)

Measurement points

1.

Add a measure point

Name

Frezer 1295 -

Formula

Edit formula

Unit

Select the unit

Recording frequency

15 min

ALARM THRESHOLDS

Type of uncertainty

None

Type	Criticality	Value ()	Allowed overrun duration	Cumulative	Period (h)
No alarm threshold defined					
+ Add a threshold					

Delete this measure point

CANCEL

SAVE AND APPLY

SAVE

*** Define the calculation formula:** * To define the calculation formula, click on **Edit formula** .

Two possible cases are possible: * Calculation between a numerical coefficient or offset and the value of a measuring point * Define the desired coefficient or offset, then the operation and the measuring point concerned. * Several operations are possible: add, subtract, multiply, divide or average.

MONITORING

SYSTEM

ANALYSIS

METROLOGY

ADD OPERATION

Measurement point

[Freezer 1295] T°C 1

Operation

X

Coefficient

1

CANCEL

ADD

- Calculation between two measuring points
 - On the configuration page, click on
 - Define your first computed measurement point

- Define the operation linking the two measurement points, the coefficient or offset of the second point and the second measurement point.

ADD OPERATION

Link operation +

Measurement point [Freezer 1296] T°C 2

Operation X

Coefficient

CANCEL

ADD

The formula is then displayed on the computed point configuration page.

MODIFY A MONITORED UNIT "TEST FORMULA FOR MANUAL"

Monitored unit

Configuration

Characteristics (Optional)

Measurement points

1. T°C

C

2. T°1 x T°2

C

Add a measure point

Name test formula for manual - T°1 x T°

Formula [Freezer 1295] T°C 1 X 1 + [Freezer 1296] T°C 2 X 3

Unit °C

Recording frequency 15 min

Delete this measure point

ALARM THRESHOLDS

Type of uncertainty None

Type	Criticality	Value (°C)	Allowed overrun duration	Cumulative	Period (h)
High t...	✓	70	0		
Low th...	✓	50	0		

+ Add a threshold

CANCEL

SAVE AND APPLY

SAVE

Calculated measurement points are identified by the indicator C in the list of measurement points and associated graphs.

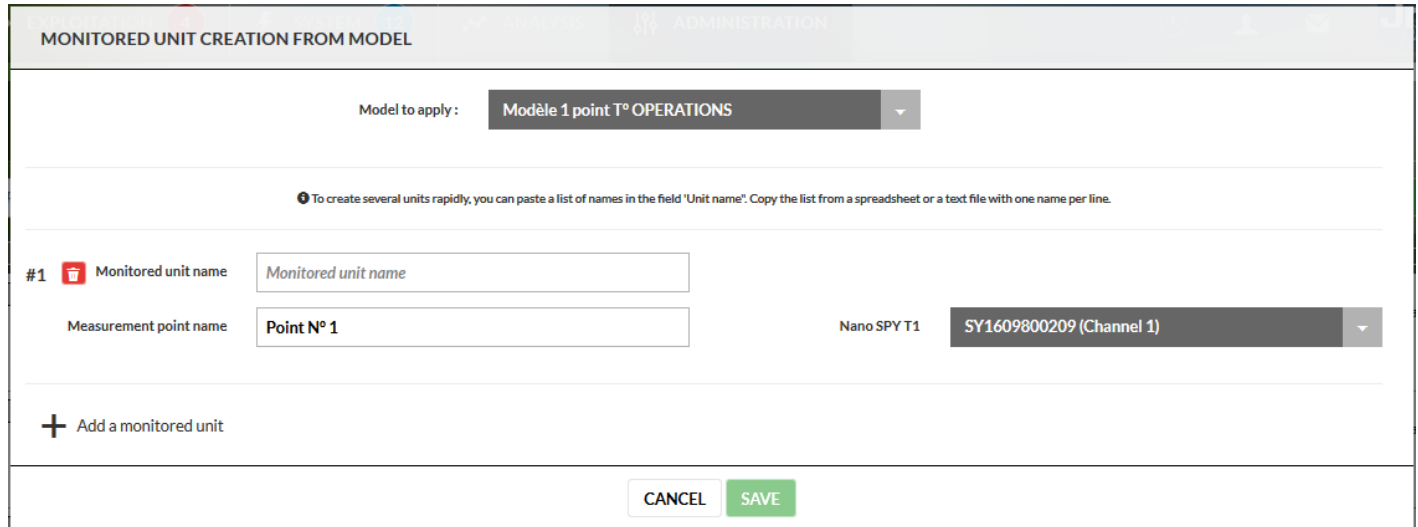
⚠ The addition of a computed measurement point is considered as the addition of a standard measurement point, and is considered when counting the total number of measurement points in the customer's license.

"Save and Apply" saves and sends the configuration to the device.

" Save" allows saving only, deferring to the end of the installation the sending of the configuration.

2. Unit creation from a Template

Monitored units can be created using configuration templates. Once a template is chosen, the window displays the 1st unit which will be created on this model with the number of measurement points and the type of measurement chain defined in the template.



- Fill in the fields "Unit name" and "Measurement point name"
- The field corresponding to the measurement point will be pre-filled if JRI MySirius has the devices corresponding to the measurement point defined in the template. It will then be possible to choose from the list proposed by JRI MySirius. If it is empty this means that no corresponding device is available.
- Everything related to the configuration of the measurement points: Thresholds, authorized duration of overrun, recording frequency ... is defined in the model.

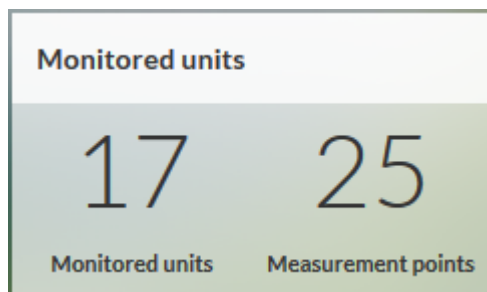
a) Creation of multiple units


To add one or several units on a template, copy then paste a list of the monitored units from an Excel sheet in the "Unit name" field.

3. Creation of a monitored unit Template

A monitored unit template is a configuration type allowing the creation of several identical units at once. To create a monitored unit from a template, it is necessary to create the templates first.


Click on the indicator "Monitored Unit templates" on the dashboard of the "Administration" page.



Or else via the menu  from any open page in "Administration".

Then click on the “Monitored Unit template” tab. The list of existing models opens.

	Batches	Monitored unit models	Monitored units		
Filter...	DELETE THE SELECTION...	CREATE UNITS...	ADD...		
	Name	Number of units	Measurement point	Frequencies	Thresholds
	Ambiance T 1pdm	0	T1 (°C) Nano SPY T1	15 min 1 min	15.00 °C 10 min 25.00 °C 10 min
	Chambre Climatique	0	T° local info (°C) Nano SPY TH Channel 1	1 h 15 min	0.00 °C 30 min / 24 h 40.00 °C 30 min
	Modèle 1 point T° OPERATIONS	0	Point N° 1 (°C) Nano SPY T1	15 min 15 min	0.00 °C 30 min 30.00 °C 30 min
	Modèle 2 point TH OPERATIONS	3	Point T° (°C) Nano SPY TH Channel 1	15 min 15 min	0.00 °C 0 30.00 °C 0
	Modèle 2 point T° Point CH et FR_OPE	1	Point HR % (%) Nano SPY TH Channel 2	15 min 15 min	1.00 % 0 90.00 % 0
			Point Chaud (°C) Nano SPY T1	15 min 15 min	
			Point Froid (°C) Nano SPY T1	15 min 15 min	

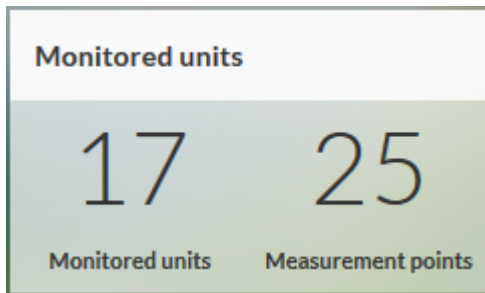
Click on  to add a template.


The process is identical to the creation of a monitored unit except that one must choose the measurement point type rather than the measuring point.

VI. BATCH CREATION

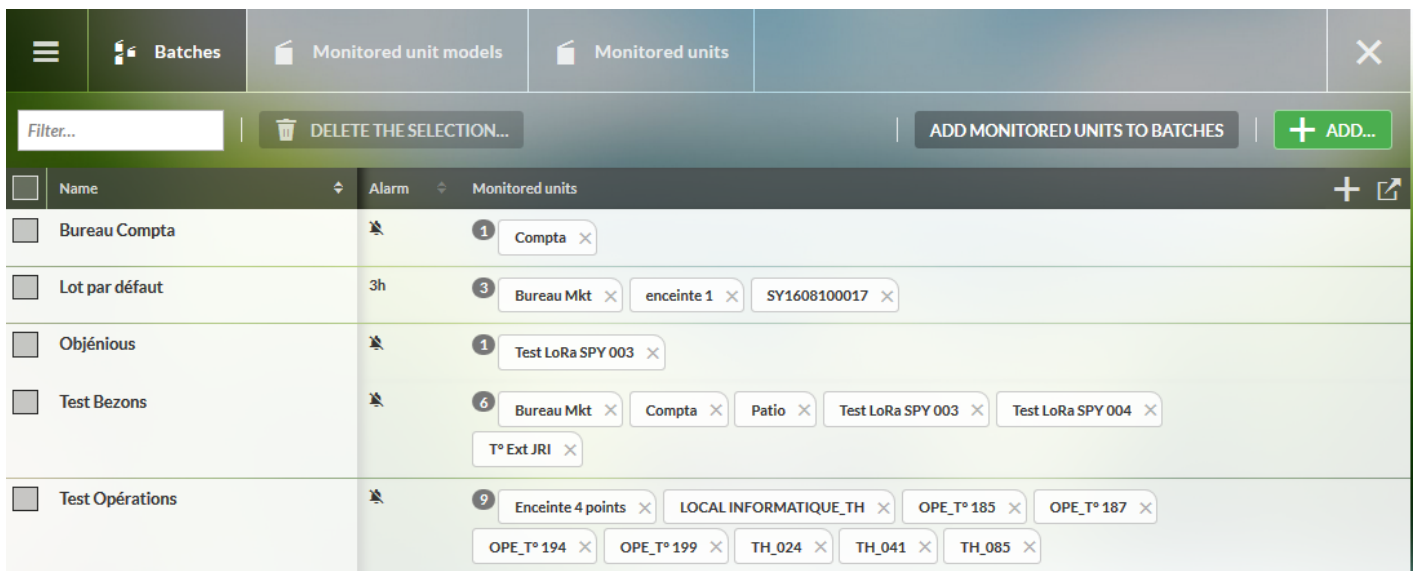
Batches allow the grouping of units according to different criteria which are specific to each organization: Monitored quantity, domain of activity, stored products...


To create batches, click on the “Units” indicator on the dashboard of the “Administration” page




Then click on the “Batches” tab. It is also possible to do this via the menu  from any open page in “Administration”.

The list of existing batches opens



1. Click on .
2. Name the batch that you wish to create.
3. Choose if you wish to manage the communication error alarms for the monitored units of this batch by selecting a triggering delay time from the list proposed by par JRI MySirius.
4. Finally select the monitored units that you wish to include in this batch.
5. Click on “SAVE” to confirm the creation of the batch.

 The batches can also be created at the moment of creation of the monitored units. In the window “Add a monitored unit” by clicking on “Create a new batch”. A window opens inviting you to name the batch to be created in order to associate it with the monitored unit being created.

VII. ALERT CREATION

Alerts are the means implemented by JRI MySirius to notify the users if there's an alarm. These can be of various types:

- Email
- SMS
- Voice calls to fixed-line or mobile telephones
- Material
- Light bar on Nano SPY LINK and ALARM
- Buzzer on Nano SPY LINK and ALARM
- Relay output on Nano SPY LINK and ALARM

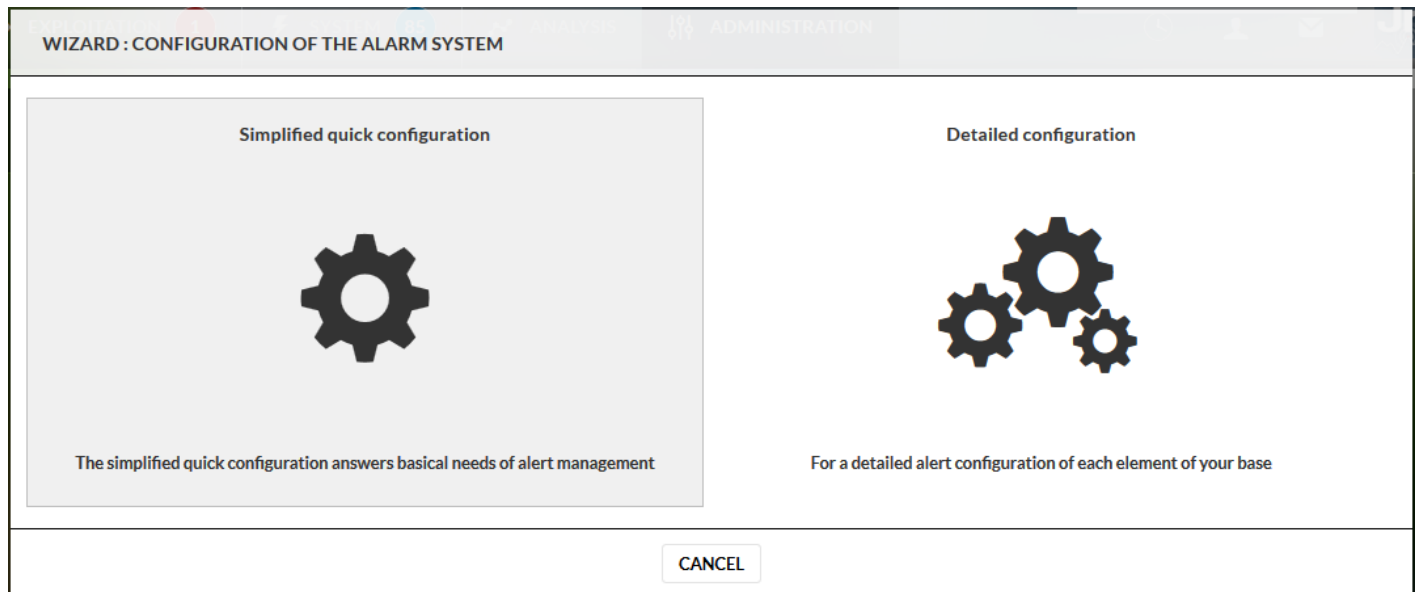
In JRI MySirius, the alerts are triggered using a single mean, or in escalation using multiple means one after the other.

Examples : When an alarm is triggered, JRI MySirius can activate : either the light bar on a Nano SPY LINK, or a user group composed of one or several persons, or else a succession of means (material and/or user group)

To configure the alerts click on  from "Administration" then on **Wizards** then **Alert system**

This wizard will guide you step by step to create your alerts.

A window opens giving you two choices to configure your alert system



- a fast and simple configuration
- a more detailed configuration

1. Simplified and fast configuration

The simplified configuration of the alerts allows you to choose the person or persons to warn and also to activate alert means. These alerts are all executed simultaneously without delay. Click on this option and follow all the steps of this tutorial to perform a quick and simplified configuration of alerts to be made in case of alarm

2. Detailed configuration of an Alert escalation

This configuration allows you to send alerts to groups of people and to activate alerting devices in escalation. Clicking on this option opens a window asking you to choose what you want to define your alerts on:


This wizard will guide you step-by-step to create your alerts.

A 1st window opens to request that you choose on what you wish to define your alerts:

- A monitored unit batch
- A single unit
- A technical batch
- The free recorders (which are not assigned to a monitored unit but are functioning)

Once your choice is made, click on next

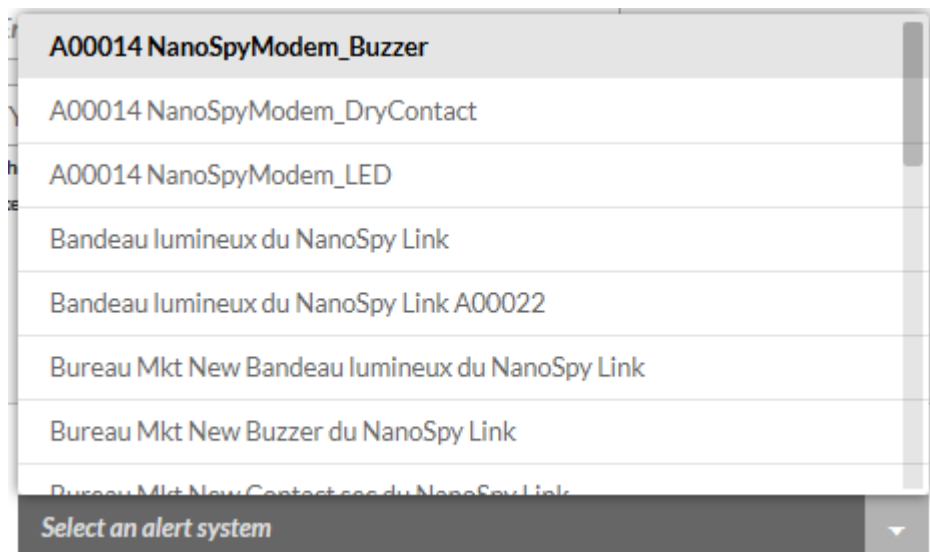
- A second window opens listing the types of defaults for which you can define an escalation
- Choose **"create a new alert escalation"** in the selection list of the chosen fault type

- **Name** : Enter a name for the escalation to be created
- **Repeated in loop** : This function enables automatic restarting of the escalation if at its end the alarm still has not been acknowledged. The repetition is carried out 10 minutes after the triggering of the last means.
- **Cascade contents** : Click on  to choose the 1st means to be implemented at the triggering of the alarm.

- By default, the time delay for this 1st alert means is fixed at "0 minutes" so that it will be activated as soon as the alarm is triggered.

i Reminder: generally the alarms are triggered after an "authorized duration of overrun" also called time delay.

- Alert system: These are physical means (Buzzer, relay output, light bar) available on the devices deployed in your installation. Choose the one you wish to actuate in the selection list.



- User group: This is the list of users to be notified. During the creation of the users, these can be placed in groups to manage the alerts and to prioritize them if necessary (ex: o, the event of an alert, group 1 will be notified immediately, then group 2 after 10 minutes and so forth).

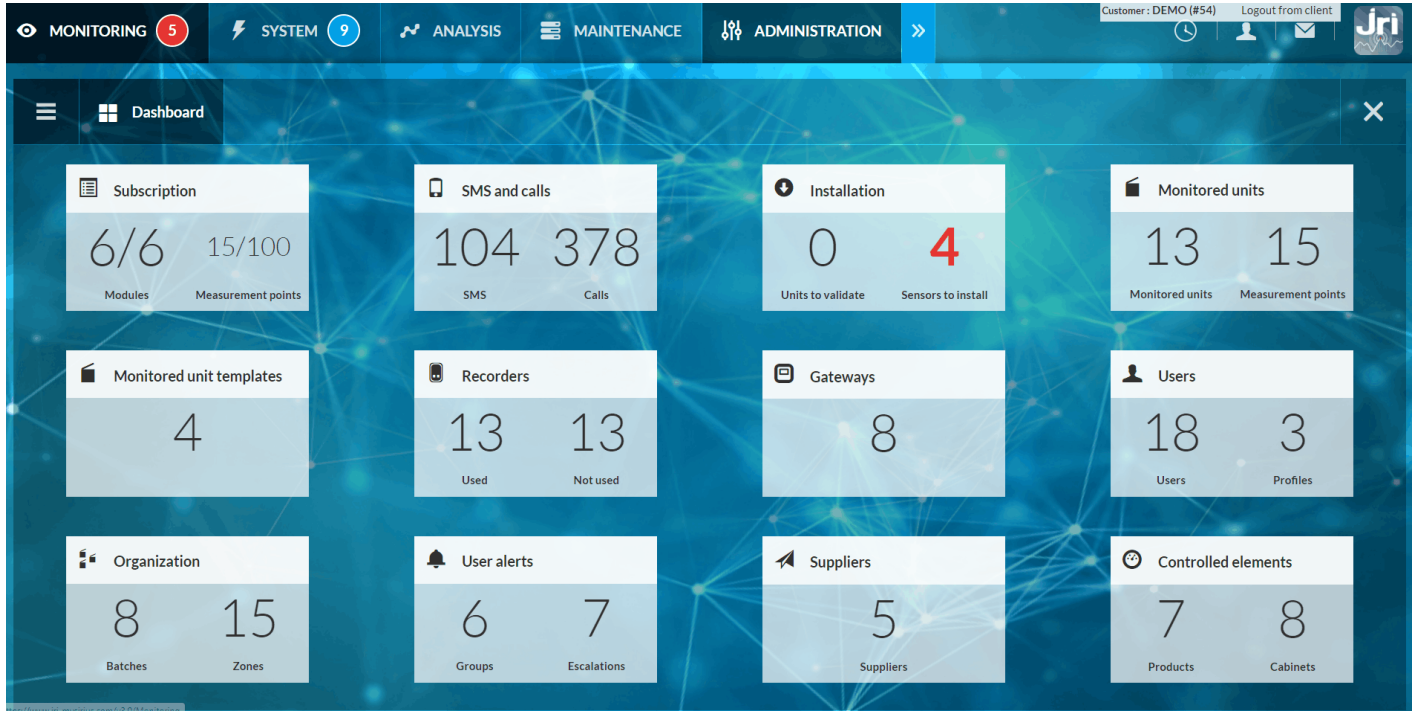
Choose the group to be notified or create a new group following instructions from JRI MySirius.

Once one of these 2 means have been chosen, click on **VALIDATE** then on  to add another alert means, proceeding in the same way, adding a triggering delay between the two.

Repeat the procedure for all the other manageable faults.

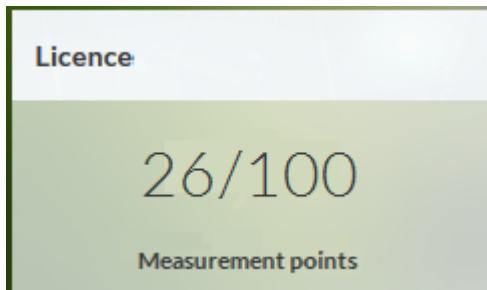
VIII. ADMINISTRATION

The Administration section is in the form of a dashboard enabling the administrator to be aware of the perimeter and the state of his installation. This dashboard is composed of tiles or indicators representing the principal elements of his installation.



1. Indicators

a) "License" Indicator



This indicator informs you of the number of measurement points installed as well as the maximum number of measurement points authorized by your license. The indication turns orange above 70% of measurement points installed and red above 90%. Clicking on it displays the offer subscribed to, of which the 3 levels are:

1. Initial
2. Serenity
3. Advanced

MySirius Licenses

		INITIAL	SERENITY	ADVANCED
SERVICES	Data reading (maximum) measurements, graphs, history	The last 2 months	The last 18 months	The last 18 months
	Data archives Data reading period included	The last 12 months	The last 3 years	The last 10 years
	Technical support Online help, tutorial	✓	✓	✓
	Number of user accounts	2 (1 user and 1 administrator)	Unlimited	Unlimited with customizable profiles
	21 CFR Part 11 Compliance	-	-	✓
FEATURES	Audit trail	-	Alarm audit trail	Full audit trail
	Core Temperature Simulation	-	✓	✓
	Metrology Fleet view and management	-	✓	✓
	Tools Adjustment, simplified reports...	✓	✓	✓
	Documents Reports, metrology documents	✓	✓	✓
	Update delay	-	-	✓
OPTIONAL MODULES	Connectivity module (Web API)	✓	✓	✓
	MySiriusAlert	✓	✓	✓
	MyFoodCheck	✓	✓	✓
	Advanced Maintenance	✓	✓	✓
	Maps	-	✓	✓
	Calibration	✓	✓	✓

Another tab on this page informs you of the remaining credit for the SMS and voice call alerts

Multi-versioning management

If you have an “Advanced” subscription level, you have the possibility to delay the upgrade to the latest release of MySirius.

Subscription

Connectivity

SMS and calls

LoRa® operated contracts

To modify your subscription, contact your distributor

License issued to

DEMO

Application version

V X.X.X

A new version of the application is available

More info...

You must migrate before the : 31/03/20XX

Subscription type

Advanced

Number of Measured points authorized

100 Measurement points

Active modules

✓ Connectivity

✓ Food check

✓ Map management

✓ Metrology

✓ Maintenance

✓ MySirius Alert

A new version of the application is available

More info...

IGNORE THE NEW VERSION...

A clic on the “More information” button, gives you access to details on the latest release.

MONITORING

SYSTEM

ADMINISTRATION

NEW VERSION OF APPLICATION

You are in version **1.1**

You must migrate before the : 20/06/2020

VERSION 1.2

(20/06/2019)

Add new module 'MyFoodCheck' to check the temperature of products

CLOSE

UPGRADE TO THE LAST VERSION

From version 4.3.11 and above, it's possible to choose the upgrade version. It's not mandatory to migrate to the last version of MySirius

Modules

As MySirius is a modular cloud, it is also in the management of the license that you can consult the activated modules.

Subscription

Connectivity

SMS and calls

LoRa® operated contracts

To modify your subscription, contact your distributor

License issued to

JRI-Bezons

Application version

v 2.0.2

Subscription type

Advanced

Number of Measured points authorized

100 Measurement points

Active modules

✓ Connectivity

✓ Food check

✓ Map management

✓ Metrology

b) "Installation" Indicator

Installation

3

Units to be validated

6

Devices to install

This indicator is double. It shows the number of units having undergone a modification without having been validated and the number of devices available waiting to be assigned to a monitored unit. This information appears in red.

- Clicking on "Units to be validated" redirects you to the monitored unit administration page (see Unit management)
- Clicking on "Waiting devices" redirects you to the management of recorders and measurement points. A window opens listing all devices which are declared and available for unit creation.

RECORDER INSTALLATION

ADMINISTRATION

Select the recorders you wish to install

The recorders must communicate to appear in the list.

You can refresh the list to see the devices you have just turned on.

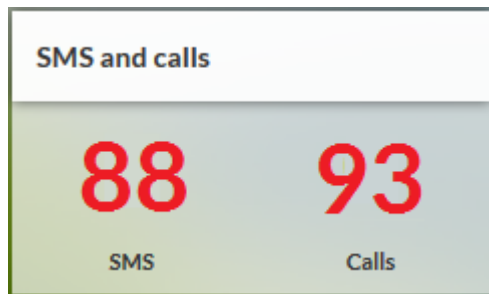
Refresh...

	Type	Serial number	Gateway	Date of last message
<input type="checkbox"/>	Nano SPY TH	SY1609800029	Bureau Mkt	2 minutes ago
<input type="checkbox"/>	Nano SPY TH	SY1609800042	Bureau Mkt	a minute ago
<input type="checkbox"/>	Nano SPY T2	SY1609800097	Link BEZETH	a minute ago
<input type="checkbox"/>	Nano SPY T2	SY1609800142	Bureau Mkt	a minute ago
<input type="checkbox"/>	Nano SPY T2	SY1609800171	Bureau Mkt	2 minutes ago
<input type="checkbox"/>	Nano SPY T1	SY1701200052	Bureau Mkt	2 minutes ago

CANCEL

NEXT

c) "SMS and voice call" indicator



This indicator informs you of the number of remaining SMS and Voice calls. The visual appearance changes to notify you that the thresholds you have fixed have been exceeded and that you must recharge your credit of SMS and Voice calls.

The display turns orange when the pre-threshold is exceeded and red when the threshold is reached.

Clicking on this indicator opens the page enabling you to determine the alert thresholds to reload your credits of SMS and Voice calls.

The screenshot shows a web interface with a navigation bar at the top containing "License", "SMS and calls", and "LoRa@ public contracts". Below the navigation bar, there is a section titled "ORDER ALERT MEANS..." with a green "SAVE" button. The main content area contains several input fields for configuring alert thresholds:

Field	Value
SMS remaining	100
Remaining calls	100
Threshold alert SMS	0
Pre-threshold alert SMS	0
Threshold alert call	0
Pre-threshold alert call	0

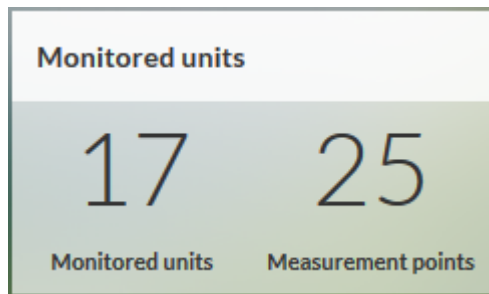
⚠ If you do not top up you credit, you will not be notified if there's an anomaly on your installation.

The reloading of SMS credits and voice calls can be done directly from MySirius by clicking on **"Order Alerts Means"**. To activate the SAVE button which allows the purchase, you have to accept the sales conditions and terms.

The screenshot shows a form titled "PURCHASE OF TEXT MESSAGES AND CALLS". It contains two dropdown menus for "Number of SMS purchased" and "Number of calls purchased", both set to "10". Below these, there is a section for "General terms and conditions" with a link to "Consult General terms and conditions of sale" and a checked checkbox for "I understand and agree to the terms and conditions of sale". At the bottom, there are "CANCEL" and "SAVE" buttons.

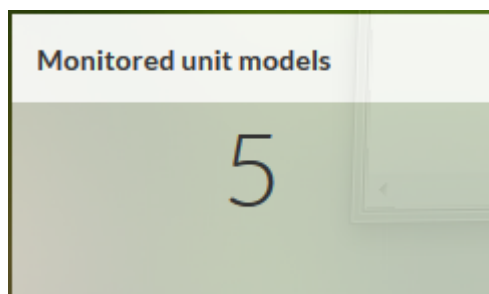
If you're a direct JRI customer, your account will be automatically topped-up. If you're a JRI distributor customer, an email will be sent to the distributor so he can top up your account.

d) “Units” indicator



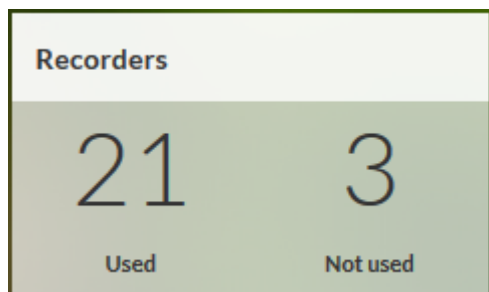
This double indicator informs you of the number of monitored units in your installation as well as the number of declared measurement points. Clicking on one of the two elements opens the window corresponding to the title and enables you to then administer its contents (see Unit management).

e) “Unit models” indicator



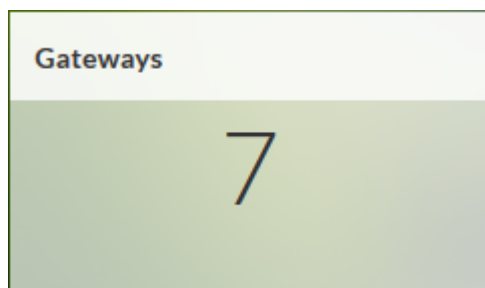
This indicator informs you of the number of unit models that you have created. The monitored unit models allow the creation and configuration at the same time of a certain number of units based on the same measurement points. This function is very useful in the context of large installations in which there is a large number of measurement points and units.

f) “Recorders” indicator



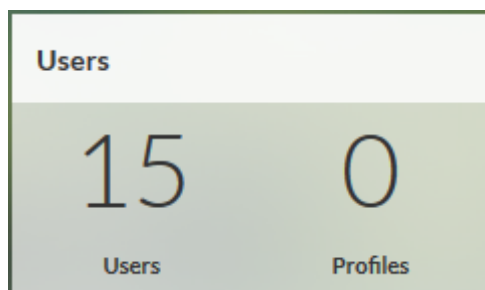
This double indicator informs you of the number of declared recorders for which the measurement points have been assigned to a monitored unit, but also of the number of recorders which have been declared and are available for unit creation. Clicking on the indicator redirects you to the recorder administration page.

g) "Gateways" Indicator



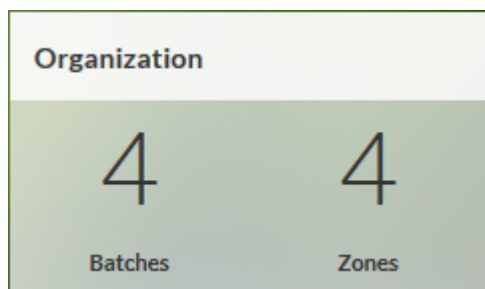
This indicator informs you of the number of communication modules declared in your installation.

h) "User" indicator



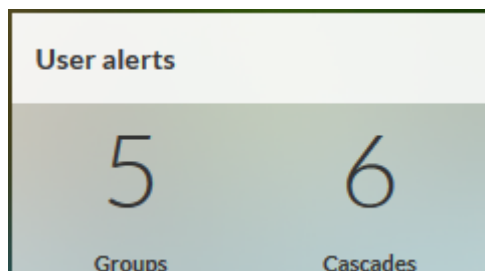
This indicator informs you of the number of declared user shaving access to the JRI MySirius monitoring system as well as th number of personalized profiles created (see profile management).

i) "Organization" indicator



This indicator gives you a view of the organization of your installation with, on one side, the number of declared batches in which your units are distributed, and on the other side, the number os of declared location zones (see zones)

j) "User alerts" indicator

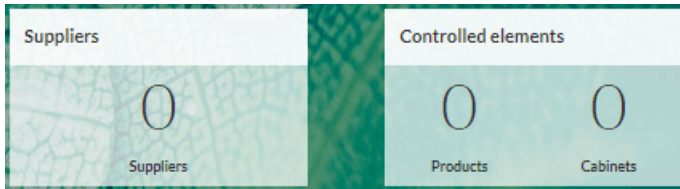


This indicator informs you of the number of user groups and alert cascades created. This information is important for correct monitoring operation.

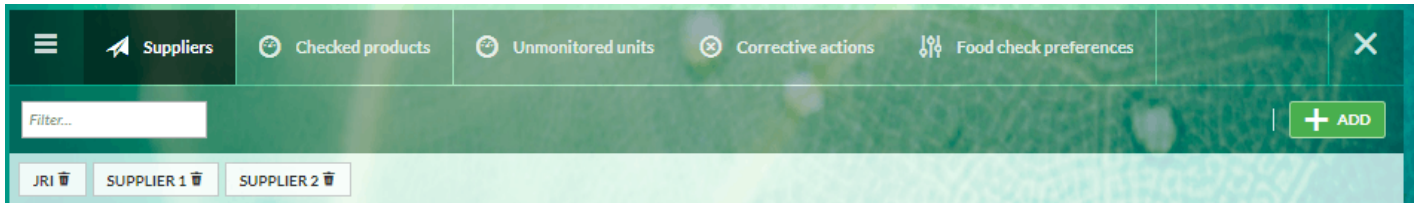
⚠ Without a group and without alert cascade, it will be impossible to notify anyone in the event of a problem

k) Food Check indicators

SUPPLIERS and CONTROLLED ELEMENTS indicators are visible only for users with subscription to the FOOD CHECK module.

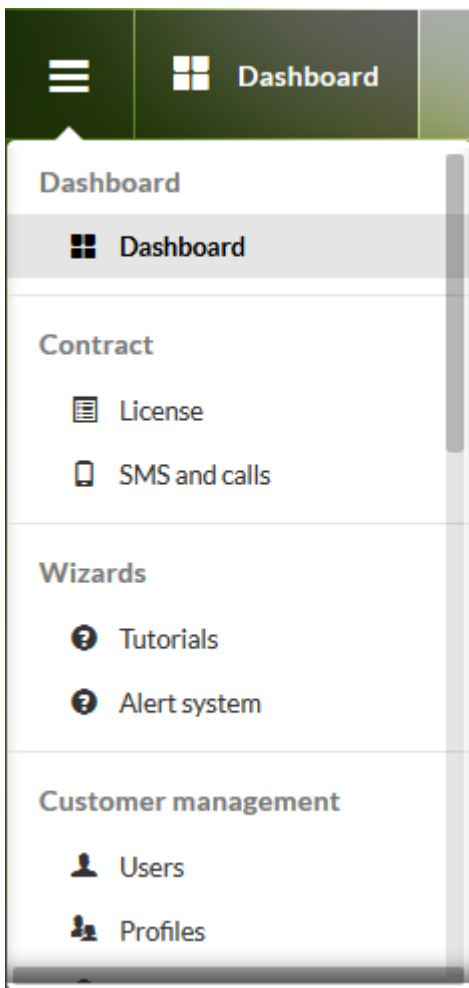


They allow access to the configuration page of the displayed elements on the MyFoodCheck app.



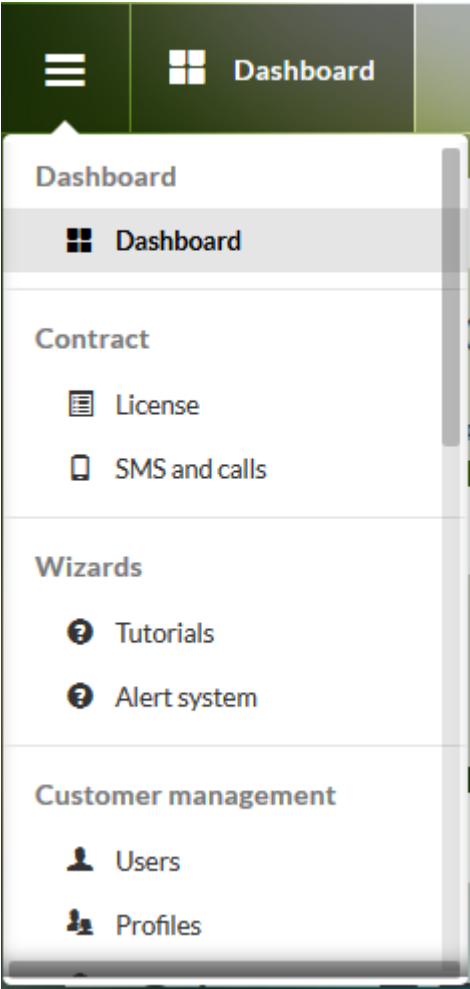
2. Menu

The administration menu lists all the administration items grouped into general categories. Only the items preceded by an icon are selectable and allow access to administration functions.



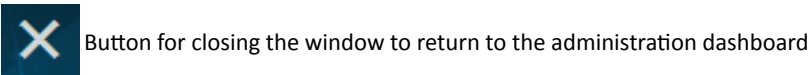
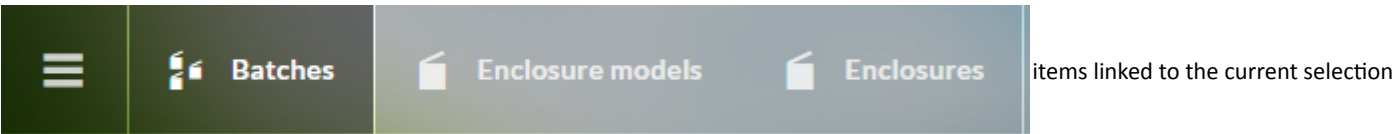
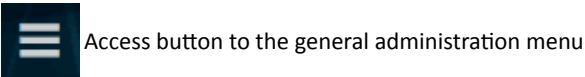
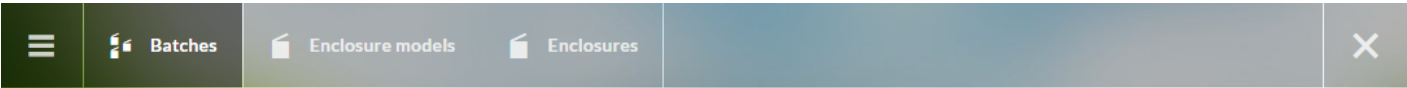
3. Standard administration page

Clicking on any indicator of the administration dashboard or item in the administration menu, a page opens. This page has always the same appearance:



This window is divided into three sections

1. **The top section**



2. **Action bar**





- The left part contains the field to filter and find the objects listed in the table as well as buttons for action on the selected objects (box to check in front of the object name)
- In the right part are placed the buttons for general actions (addition, creation, recording...)


The action bar changes as a function of the selected items

3. The bottom section

Presented in table form, this section lists all the objects declared for the chosen item.

- The first column always presents the item name preceded or not by a box to check. The object name is clickable and provides access to the modification window of the item.
- The other columns provide complementary information on the items
- At the right end of the table header line, the button  enables adding or masking certain columns and the button  allows exportation of the table contents to an Excel-type spreadsheet.

IX. MONITORED UNITS MANAGEMENT

To access unit management, click on the “Units” indicator, “Installation -> Units to be validated” or via the menu  of the Administration page.

The monitored unit management window shows the following features:

- Different tabs: Batches, Unit models and Units
- The button giving access to the menu of the different administration functions of the JRI MySirius monitoring system
- The monitored unit management toolbar
- The monitored unit list in tabular form

1. Units management


a) Unit toolbar



- ***Filter...:** Field for finding units when the list is too long. Entering the characters of the name will result in the display of all units having these characters anywhere in their name.

The 3 following buttons are only active if at least one unit is selected. Each unit name is preceded by a box to check enabling its selection.

Manage the selection allows :

- Placing or moving the selected units in a zone
- Placement of one or more selected units in one or more batches, or creation of a new batch
- Application of a configuration model
-  button for archiving one or more selected units
- **Apply the modifications** : When a monitored unit has been modified, an orange label appears beside its name. Click on this button to apply the modifications.

Finally, the button  allows adding a new unit (see unit creation)


b) Unit list


The list of created units is displayed in table form:

<div><div>Batches</div><div>Monitored unit templates</div><div>Monitored units</div></div>							
<div><div>Filter...</div><div>All (44) Validated (36) To be validated (8)</div><div><div>Manage selection</div><div></div><div>APPLY THE MODIFICATIONS</div></div><div>1 / 3</div><div>+ ADD...</div></div>							
<input type="checkbox"/>	Name	Template	Zone	Batches	Inventory number	Measurement points	Measurement chain
<input type="checkbox"/>	0008 nova	-	Validation - Mysirius 1.0	test ablanc		008°C (°C)	PT2301100008 + 7H?11723145 (°C)
<input type="checkbox"/>	AD2211900425	-	Validation - Mysirius 1.0	Lot par défaut		1 (°C)	AD2211900425 + 4-20mA
<input type="checkbox"/>	AD2215901002 Modified	-	Validation - Mysirius 1.0	Lot par défaut		1 (°C)	AD2215901002 (°C)
<input type="checkbox"/>	AD2215901052 New	-	Validation - Mysirius 1.0	Lot par défaut		1 (°C)	AD2215901052 (°C)
<input type="checkbox"/>	AD2304401223	-	zone 1	Lot par défaut		test ajustage t2 (°C)	AD2304401223 (°C)

This table shows all unit information:


- their names,
- whether they have been configured using a model,
- to which zone(s) and batch(es) they belong,
- the names of their measurement points,
- their configurations.

At the far right of the table header line, the button  allows displaying or masking the table columns except that of the name.

The button  allows export of the table to a spreadsheet.

The 3 first columns of the table have a button for ranking the monitored units by name, by model or by zone.

2. Monitored Units Templates management

To access unit model management, click on the “Models” indicator, or on the “Unit models” tab in the monitored unit management window or via the menu  from any open page in « Administration ».

The monitored unit models window has the same features as the monitored unit management window:

- Different tabs: Batches, Unit models and Units
- The button giving access to the menu of the different administration functions of the JRI MySirius monitoring system
- The monitored unit management toolbar
- The monitored unit model list in tabular form

a) Monitored Units Template toolbar




- **Filter...:** Field for finding unit models when the list is too long. Entering the characters of the name will result in the display of all unit models having these characters anywhere in their name.
- **Delete the selection :** This button is active only if one or several models are selected via the check boxes in the model list.
- **Create units :** This button allows the creation of units directly from a model without passing by the monitored unit management page.
- **Add :** This button is for adding new unit models. The creation of unit model sis identical to the creation of units but without associating a measurement chain (see unit creation).

b) Monitored Units Templates list

This table has the same features as the monitored unit list table with the same action buttons. (see unit table)

3. Batch management

To access batch management, click on the “Batches” tab in the monitored unit or unit models management window or via the menu  from any open page in Administration.

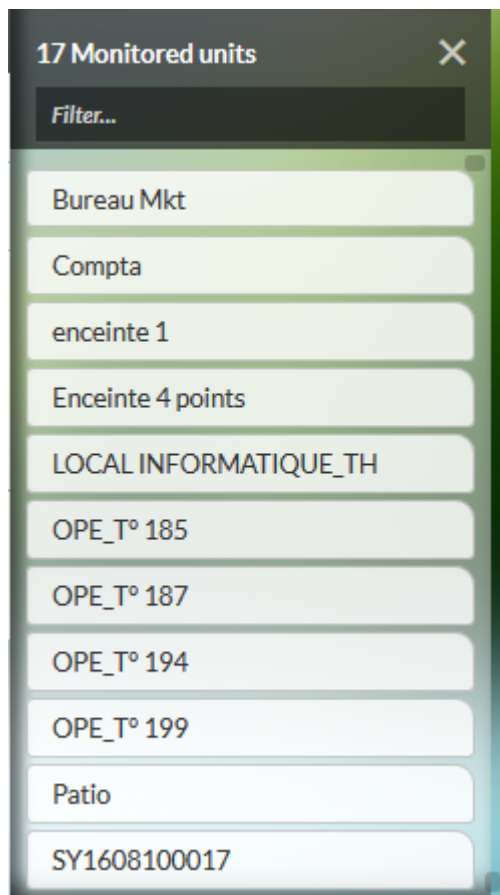
The “Batches” window has the same features as the monitored unit model management window:

- Different tabs: Batches, Unit models and Units
- The button giving access to the menu of the different administration functions of the JRI MySirius monitoring system
- The batch management toolbar
- The list of batches in tabular form

a) Batches toolbar



- **Filter...:** Field for finding batches when the list is too long. Entering the characters of the name will result in the display of all batches having these characters anywhere in their name.
- **Delete the selection :** This button is active only if one or several batches are selected via the check boxes in the model list.
- **Create units :** This button allows switching to creation of units during batch creation.
- **Add units :** This button allows opening of the monitored unit list beside the table.



Place the monitored units in the batches by a simple click and drag


Add This button is for adding new batches (see batch creation).

b) List of batches

Name	Alarm	Monitored units
<input type="checkbox"/> Bureau Compta		1 Compta
<input type="checkbox"/> Lot par défaut	3h	3 Bureau Mkt, enceinte 1, SY1608100017
<input type="checkbox"/> Objénious		1 Test LoRa SPY 003
<input type="checkbox"/> Test Bezons		6 Bureau Mkt, Compta, Patio, Test LoRa SPY 003, Test LoRa SPY 004, T° Ext JRI
<input type="checkbox"/> Test Opérations		9 Enceinte 4 points, LOCAL INFORMATIQUE_TH, OPE_T° 185, OPE_T° 187, OPE_T° 194, OPE_T° 199, TH_024, TH_041, TH_085

This table has the same features as the table of unit list with the same action buttons.

The **Name** column enables identification and selection of a batch. Clicking on the batch name allows modification as well as adding or deleting units.

The **Alarm** column informs whether or not a communication error alarm is defined for this batch. * When a communication error alarm is defined for a batch, the time delay for taking in charge the alarm is displayed. * When there is no communication error alarm defined for a batch, the symbol  is displayed in the column.

The **Unit** column indicates the number of units in the batch as well as the monitored unit list. Each unit is represented by an active vignette: * click on the cross to remove it from the batch, * move the monitored unit to another batch by click/drag.

X. USER MANAGEMENT

This is one of the most important sections of JRI MySirius. It is here that all users will be declared, that their rights will be determined in order to allow their optimal use of JRI MySirius.

1. Add a user

Click on **"Add"** to declare a new user

ADD A USER

ADMINISTRATIVE

First name Name

Email Culture

ACCOUNT LOGIN

Login ID Profile

Manage all batches Batches

USER GROUPS (OPTIONAL)

Groups

- **Administrative** : Concerns the administrative data of the user, his identity, his region but especially his email address.

⚠ The email address is obligatory. It allows automatic creation of an alert list for the user and allows him to receive alarm notifications as soon as they are assigned to a user group. The user can see and modify these alert lists in his profile

- **Access account** : concerns the action perimeter of the user. It is here that the administrator sets the rights of each user, first in setting his profile (authorized actions - see profile management), giving him access to certain batches and geographic zones of the installation.
- **User group**: Allows assigning a user to a group. This information is very important for alert management.

⚠ JRI MySirius sends only alarm notifications to user groups or to material means (Nano SPY LINK or Nano SPY ALARM or LoRa SPY ALARM).

Next click on **"save"** to confirm the creation of the user. The two first sections must be completely filled in in order to save.

2. Managing user groups

To manage User Groups, go to Alarm System Management>User Groups.

a) Add a new User Groups

To add a new user groups, click on the **"Add"** button.

- **Choose a group name**
- **Add users to the group :** Add users to the group.
- **Receive or not an alert when a user in the group is managing an alarm:** When this option is set to “NO”, a message is sent to other users in the call group when the alarm is acknowledged. The name of the user who acknowledged the alarm is included in the message.

b) Modifying a user groups

To modify a new user group, click on the group.

3. Add a Supervisor

- A “supervisor” is a particular user who can see multiple clients. For a person to be a “Supervisor” of multiple clients, each client must declare that person as supervisor and give him / her rights.

i Only a certified distributor or administrator has the right to create or add a supervisor

To add a “Supervisor”, click **the “User” indicator** of the Administration dashboard then the “user tab” in the client management window and then **“Add”** in the action toolbar to declare a new “Supervisor”. Two choices are possible:

- Add an existing supervisor
- Add a new supervisor

a) Add an existing supervisor

- If no supervisor already exists, you must first create one (see “Add a new supervisor”).
- To be added to other clients, the supervisor will have to ask another client’s administrator to add him. This request is not made via MySirius. He must communicate his login / domain to the right person who will follow the procedure below to add him.
- To add an existing supervisor, you must enter **the login and domain** of the existing supervisor and choose the profile he will have when logging on to the current client (a supervisor can be an administrator for a client and a simple user at another). After validation, if the profile exists, it is added to the list of supervisors.

b) Add a new supervisor

- To create a new supervisor, you must fill in the fields on the identity of the future supervisor, define the login and choose the profile he will have to log on to the current client. It is recommended to enter an email address. After validation, the “supervisor” is created and the password is sent by email to the filled-in address.
- By logging in, a supervisor accesses the list of clients he can view.

For each client, the client name is displayed, the number of units and or devices in alarm (same numbers as in the menu).

By clicking on one of them in the list, the client is open and the supervisor can perform tasks based on the profile assigned to that client.

Supervisors do not appear in the client’s list of users. They can not be used in the customer alert system.

Supervisors can see all batches. It is not possible to assign them to a batch.

c) Deleting a supervisor

- At any time, an administrator can remove a supervisor. It is only deleted for the current client. If the supervisor can consult other clients, it is kept (only the link with this client is broken), otherwise the account is deleted.

4. Profile management

Three default profiles are available in JRI MySirius:

- Administrator,
- Batch manager,
- Simple user,
- Simple reader,
- Metrolog Technician,
- Metrolog Manager,

The table lists the rights of these different profiles. It is impossible to modify or delete them.

JRI MySirius nonetheless allows the creation of personalized profiles.

a) Customised profiles

Click on **"Add"** then select which type of profile you wish to create: an administrator, a batch manager or a simple user.

The window of the basic profile of your choice opens:

ADD A PROFIL

ADMINISTRATION

Name

Rights settings

- ☒ Login
- ☒ Access Monitoring menu
 - ☒ Manage monitored unit inhibition
 - ☒ Acknowledge units
 - ☒ Monitored unit snooze
 - ☒ See monitored unit configuration
- ☒ Access to 'System' menu
 - ☒ Validate the technical alarms
- ☒ Access Analysis menu
- ☒ Access the request list
- ☒ Manage alerts
- ☒ Contact the support
- ☒ Access mail
- ☐ Access Configuration menu
 - ☐ See users list
 - ☐ Add/Modify a user
 - ☐ Delete users
 - ☐ See profiles list

CANCEL SAVE

The rights attributed to the basic profile are checked:

- Enter an ID for this new profile,
- Check or uncheck the rights,
- Click on save to confirm the creation.

Once confirmed, the new profile is displayed in the profile table. The profiles, whichever they are, are not modifiable.


b) Deleting a profile

- Only added profiles can be deleted
- When a profile is deleted, the substitution profile chosen at the moment of deletion is applied to all concerned users.

c) User account management

Each user has access to his profile to allow him to update his personal data and his JRI MySirius environment as well as manage his alerts. (See User account management in the user guide). The user can in no case manage the parameters related to attributions such as the list of his rights and his user profile

5. Secure access

 This functionality is only available for "Advanced" license.

- Securing access is an important function for users wishing to comply with the requirements of the pharmaceutical industry (21 CFR part 11) guideline or for those who have implemented a quality approach with a secure management of accessibility to computerized application.

To access, click on the "Secure access" tab in customer management or else directly from the administration menu.

This function allows management of the conditions of access to the system:


- lifetime of passwords
- password length
- number of login attempts
- ...

If needed, the administrator has the ability to force all users to renew their password by clicking on the button "Force users to change password"

a) Conformité FDA 21 CFR part 11

Access to MySirius is by login, password and domaine.

By clicking on "Apply FDA 21 CFR Part 11 parameters" the different choices are automatically configured according to the criteria requested at least part of the FDA. It is then possible to adjust each of them to comply with the requirements of the quality approach.

 APPLY FDA PARAMETERS 21 CFR PART 11

Minimum password length

8

Password shall contain special characters ⓘ

YES

NO

Account is blocked after

10

Test(s)

The password expires after

150

day(s)

An old password cannot be reused for

150

day(s)

authorize the reuse of the login ID of deleted users

YES

NO

Use only upright data

YES

NO

Identification is required before the critical action validation

YES

NO

Prohibit simultaneous connections for the same user

YES

NO

Allow identification via Pin code

YES

NO

The PIN code have an expiration like the password

YES

NO

Session timeout

6 h

▼

- **Minimum password length:** It is recommended to set a minimum length of 8.
- **Password with special characters required:** If this option is enabled, the password must contain an upper case letter, a lower case letter, a number and a special character.
- **Account blocked after:** The locking of an account following several mistakes in the input of an MdP can be set. For pharma mode, the default value is 3 attempts before the account is locked. A lock icon is activated for this user in the user list.
- **Password renewal:** The length of time the MdP can be used can be set. For pharma mode, the default is 90 days.
- **Reuse of an old password.** For pharma mode, this period is set to 180 days by default.
- **Reuse of a deleted user ID:** The reuse of a login is configurable. For the pharma mode, by default the login of each user is unique and cannot be reused. If a user leaves, his login is archived but not deleted.
- **Use only upright data:** When this option is activated, incorrectly timestamped measures (- 15 minutes in the past, + 1 in the future) will be rejected. A reset command will be sent if necessary and possible, to avoid large measurement gaps. If there are missing measurements, MySirius does not average the previous measurement to the next measurement to fill the gaps in the graphs.
- **Validation of critical actions:** A signature (login and MoP) is requested in the case of a critical action. Critical actions are the following: Acknowledgement / snooze of an enclosure in threshold alarm / Inhibition and modification of thresholds and time delays of a measuring point / Archiving of an enclosure or a measuring point / Modification of user alerts / Activate or Deactivate a metrological element. From version 2.2 of MySirius, it is possible to customise the list of critical actions.

Identification is required before the critical action validation

YES
NO

CHOOSE YOUR CRITICAL ACTIONS

SELECTION OF CRITICAL ACTIONS

Choose your critical actions

- ☒ Actions impacting the alert system
- ☒ Monitored Units changing in administration
- ☒ Putting snooze in monitored unit
- ☒ Ack an enclosure in operation
- ☒ Inhibiting an enclosure in operation
- ☒ Archiving monitored unit
- ☒ Delete of monitored unit
- ☒ Activate/Desactivate a metrological element

CANCEL

APPLY

- **Simultaneous connections:** The possibility for a user to open two different MySirius sessions is configurable. For Pharma mode, this is not allowed by default. If a simultaneous login is attempted, the first session is automatically closed.
- **Allow login with PIN code:** Feature to be enabled for MyFoodCheck users to facilitate access without entering a password.
- **PIN code expiration :** It is possible to choose whether the PIN should expire or not after the password linked to the account has expired.
- **Automatic logout:** Automatic logout after a certain time without using the mouse can be set. After this time, the user will have to authenticate again. For Pharma mode, this time is set to 15 minutes by default.

6. General preferences

To access, click on the “General preferences” tab in customer management or else directly from the administration menu.

This function allows the configuration of certain tasks performed or proposed by JRI MySirius:

Users
Profiles
Zones
Maps
Security access
General preferences
Subscription
Supervisors

SAVE

Hide alarm criticality during acknowledgement

YES
NO

Corrective action mandatory during acknowledgement

YES
NO

Forbid snooze function for threshold alarms

YES
NO

Send an alert to advanced users when an alarm is managed by another user.

YES
NO

Default number of hours to process threshold alarms

2
hour(s)

Number between 1 and 250 hours

Default number of days to process alarms

2
day(s)

Number between 1 and 250 days

Default number of days to restart technical alarms

1
day(s)

Number between 1 and 250 days ; 0 = no restart

Number of months that measurements remain visible

18
Month

1 to 18 months

Total number of months of data storage

120
Month

1 to 120 months

Maximum display time of last measurement

72
hour(s)

- **Hide alarm criticality during acknowledgement...:** When the selector is set to “NO”, the user acknowledging the alarm must fill in the field concerning the criticality of the acknowledged alarm.

- **Corrective action required...:** When the selector is placed on “YES”, the user who acknowledges the alarm must fill in the field concerning the corrective action which he has carried out to fix the problem.
- **Prevent the “snooze” function...:** When the selector is placed on “YES”, it will no longer be possible to snooze the alarms. Only acknowledgement and taking in charge are possible.
- **Send an alert to users...:** When this option is set to “YES”, a message is sent to the other users in the call group when the alarm is acknowledged. The name of the user having acknowledged the alarm is included in the message.
- **Default number of hours for threshold alarms...:** Enter here the duration that JRI MySirius will systematically propose to any user who takes over an alarm. The user will be able to change it according to the intervention required to resolve the problem.
- **Default number of days for technical alarms:** Enter here the duration that JRI MySirius will systematically propose to any user who takes charge of a technical alarm. The user will be able to change it according to the time it may take to bring the affected equipment back into compliance.
- **Number of days for reactivating technical alarms :** When a technical alarm is not processed immediately (validated or taken over), it is not resent by the device, which remains in failure. In this field, enter the frequency at which the alarm should be reissued to bring the equipment back into compliance.
- **Number of months of measurement consultation and total storage :** These two parameters are filled in (maximum duration) according to the MySirius JRI offer subscribed to. However, it is possible to customize them by reducing the maximum duration.
- **Inactivity time before disconnection:** Enter the time after which the user’s session will be automatically closed if no activity is detected by JRI MySirius.
- **Maximum duration for displaying last measurement:** Set the duration for which the last measurement received by MySirius from a logger will be displayed in the “Operation” menu. For example: If the selected value is 24h, then if no measurement has been received by MySirius for more than 24h in the “Operation” menu. The display will show “—” instead of a numerical value.

XI. CONNECTIVITY MODULE

The optionnal “connectivity” module is used to “link” MySirius with another application to provide the data it needs. If you have subscribed to the activation of this module, all the information you need to develop an application allowing you to link MySirius with your application is available in: **Administration**

Subscription

Connectivity

OPEN DOCUMENTATION

Subscription

Connectivity

SMS and calls

LoRa® operated contracts

Company information

SAVE

API

API key60a838f4fb4174987344d05338139d821da

CultureEnglish (United Kingdom) / English (United K...

OPEN DOCUMENTATION

WEBHOOKS

Authentication modeNone

Application Token (optional)

URL for threshold alarms

URL for end of threshold alarms

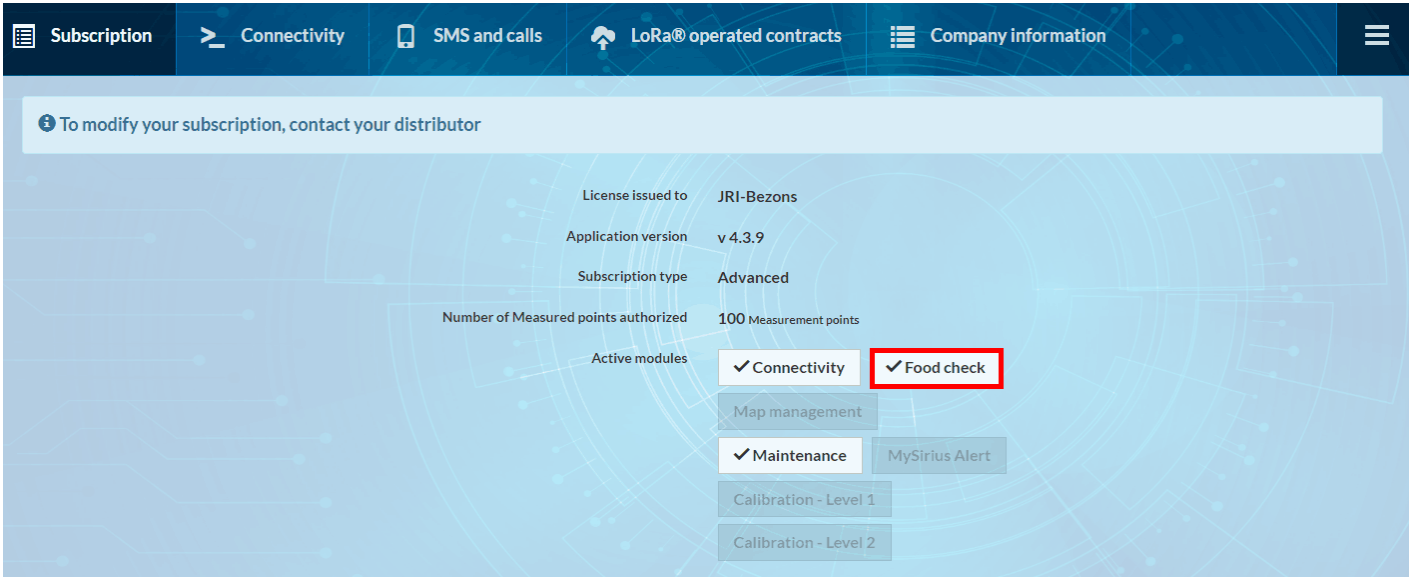
URL for technical alarms

measures reception URL

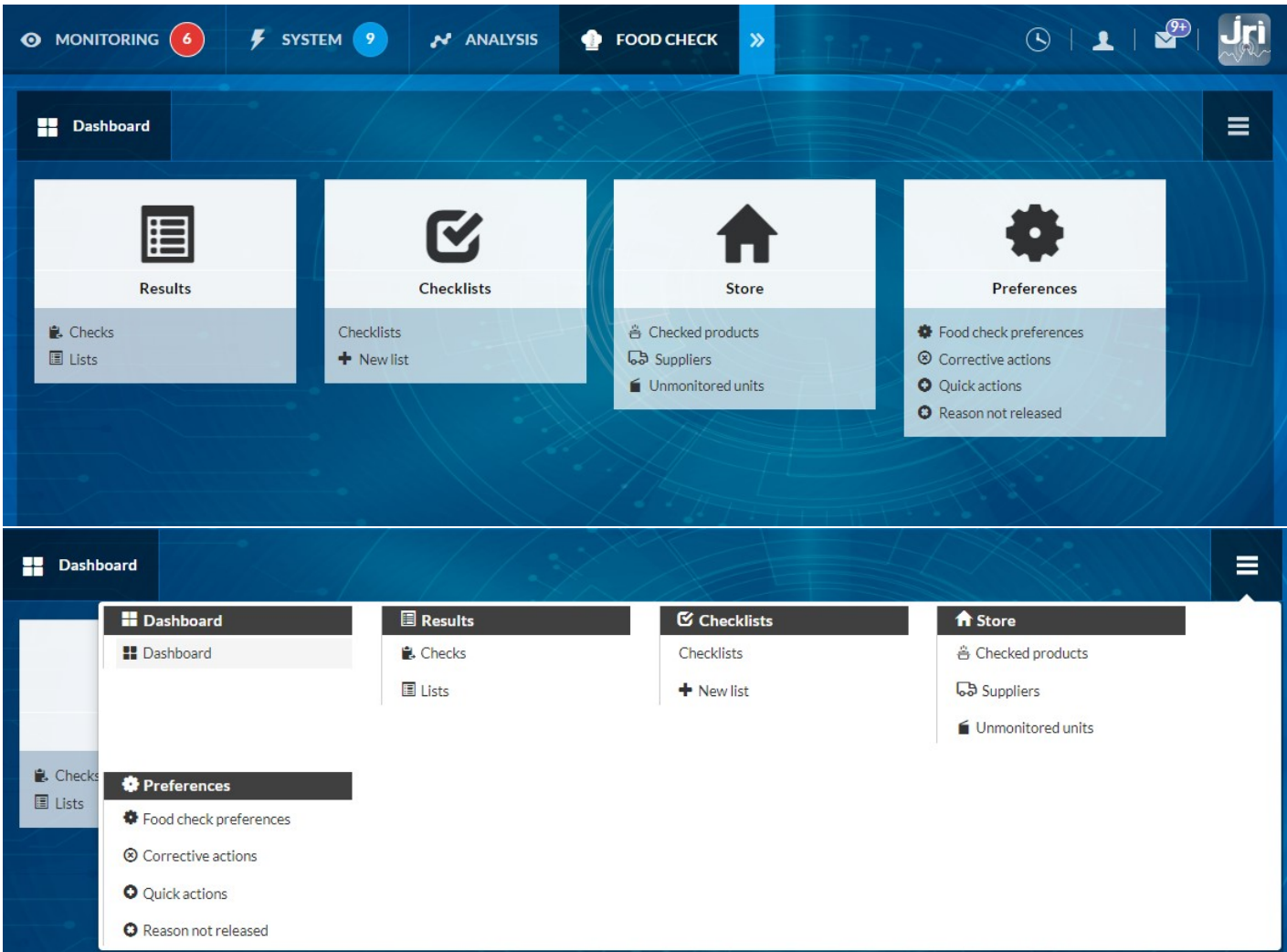
Monitored unit configuration updates URL

XII. FOODCHECK MODULE

The optional “MyFoodCheck” module is designed for food service professionals. In compliance with HACCP procedures, it simplifies food temperature control operations.



If you subscribe to the “MyFoodCheck” module, an additional tab appears on your MySirius page allowing you to display a dashboard. Click on the left-hand menu to display more features.



XIII. MAPS MANAGEMENT MODULE

The optionnal Maps Mangement Module is designed to help users locate the monitored units and JRI devices onsite.

1. Add a map

To add a map, go to ADMINISTRATION, open the left MENU  then clic on MAPS. Or, from the ADMINISTRATION menu, clic on ORGANISATION tile then ZONES and MAPS. Clic on the ++ NEW button to add a new map.

Select an image (JPEG, PNG) in the new window that opens, name your map, choose the ZONE to link and save. The added maps are displayed in the maps list of the MONITORING tab according to the tree structure of associated Zones. GPS coordinates of a map (a building) can be added for geolocation. Select the Display mode to choose between a standard view and a miniaturized view. The miniaturized view displays only the status of the oven, so as not to overload the display with information. This information is relevant for the MySiriusAlert application use.

EDIT OF A MAP

Name

Stage 1

Map picture

Browse

Zone

Zone 2

Latitude

47.514854

Longitude

6.831238

Display mode

STANDART

MINIATURE

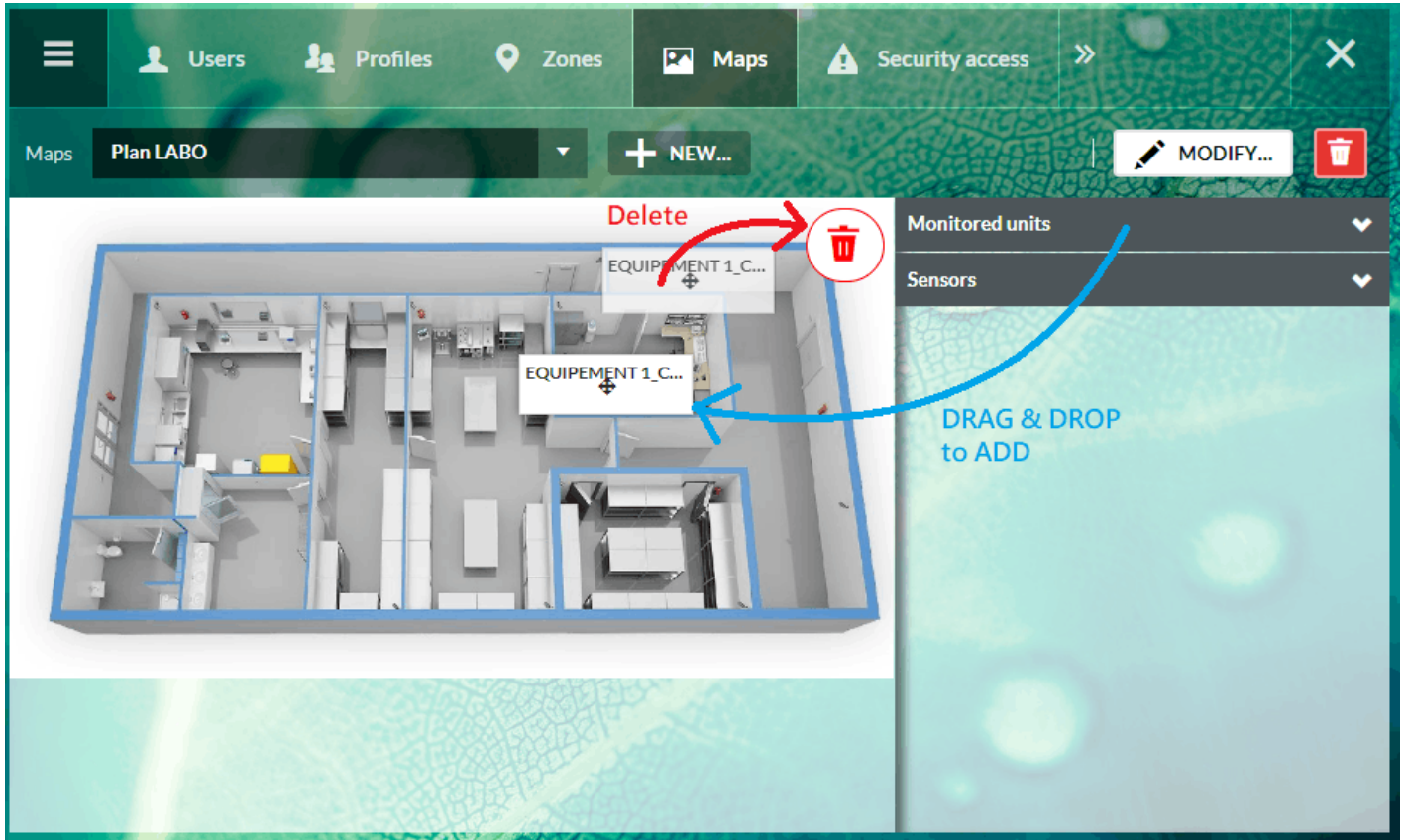
CANCEL

SAVE


2. Units and devices position

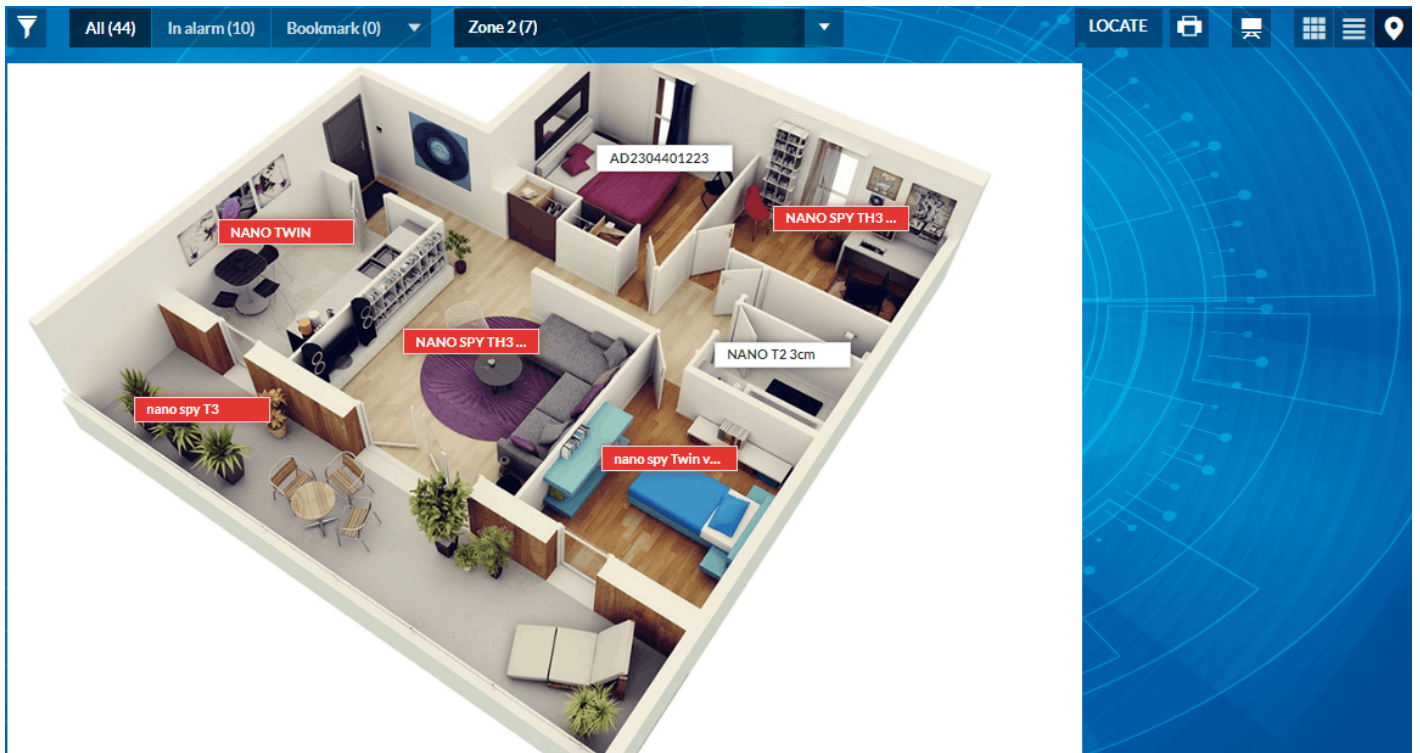
Once a map is added, drag’n’drop the units or the Gateways to their exact position on the map.


The basket can be used to delete a position.

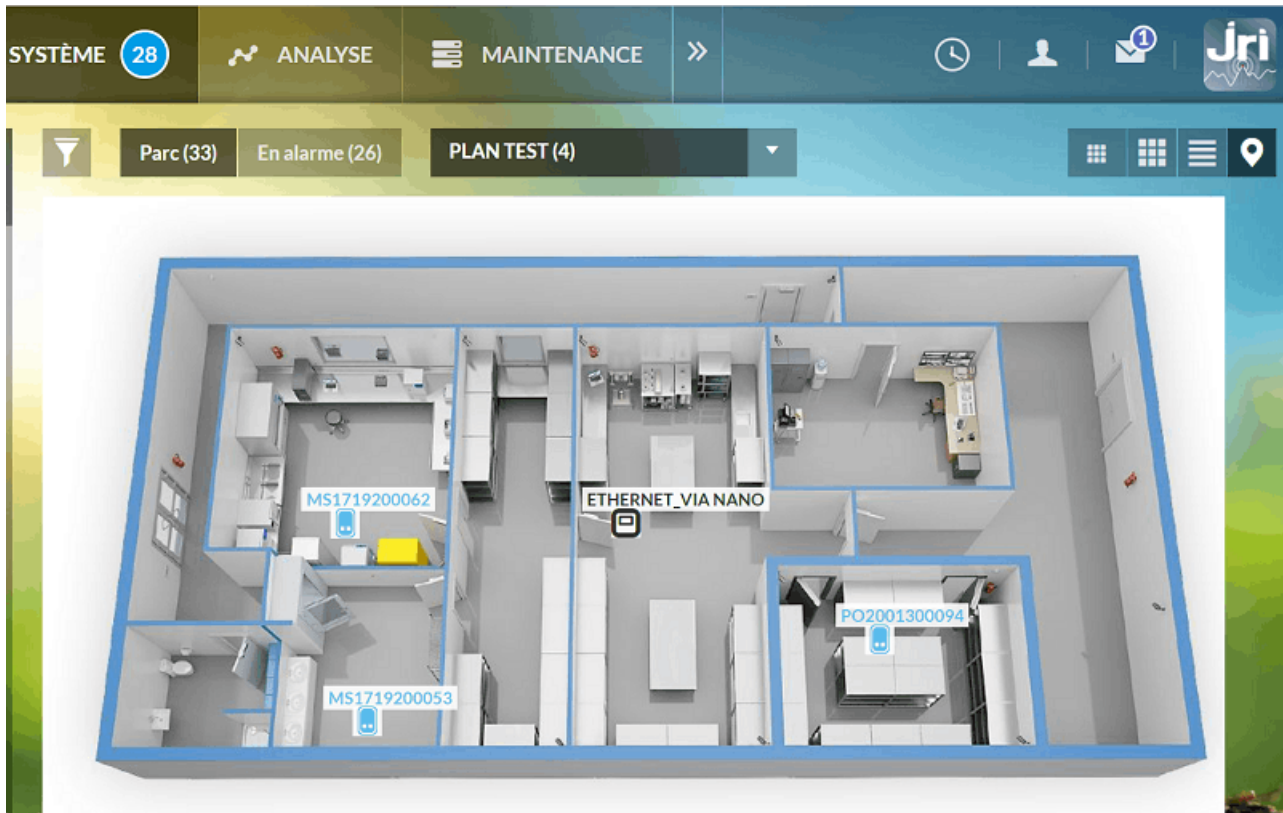


3. Units and Gateways view in Maps Mode

- On the MONITORING page the button  allows switching to the maps mode in order to locate the equipments. Small thumbnails represent the loudspeakers on the map, with information on their alert status. To view the latest measurement and speaker curves, simply click on the thumbnail. A drop-down list displays plans with their associated zone tree structure.

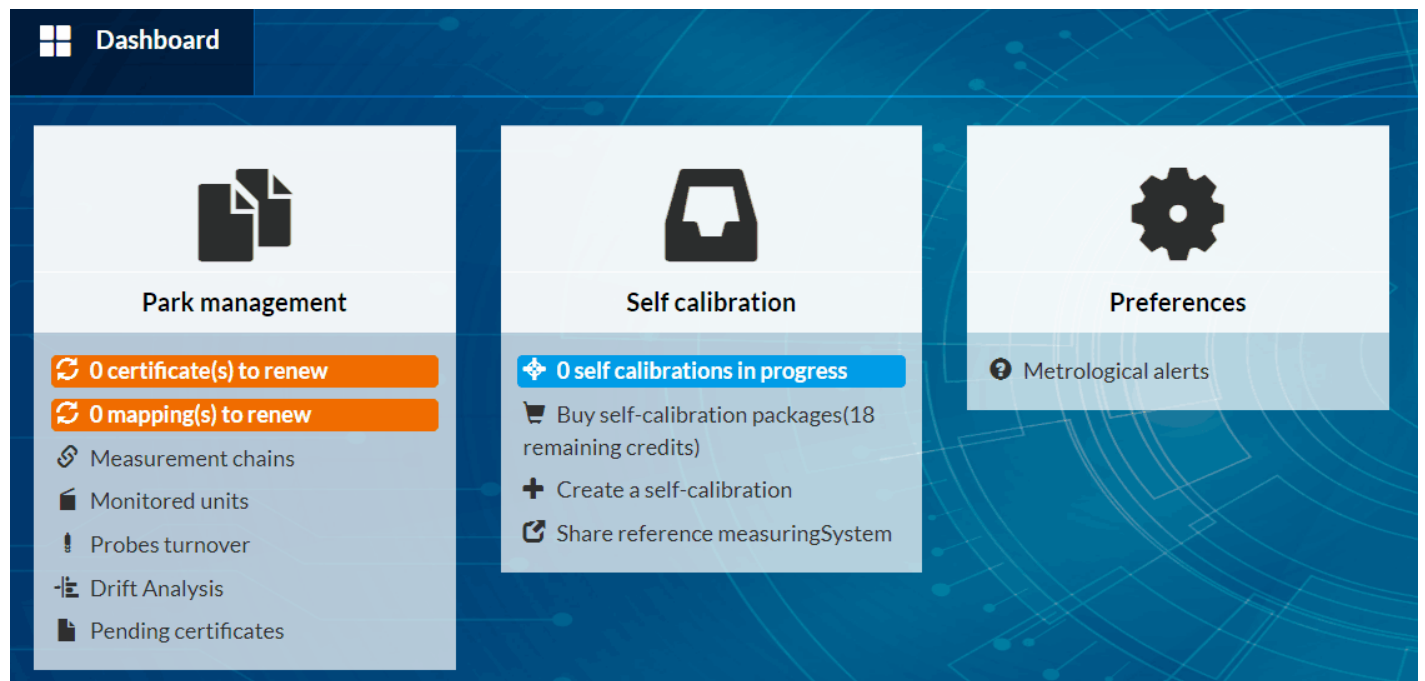


- On SYSTEM page , the same button  shows the position of the devices (Gateways and sensors).





XIV. METROLOGY MODULE

The METROLOGY tab is visible for all MySirius clients even if the optionnal CALIBRATION module is not activated.



On the dashboard, you can quickly view the list : * List of chambers and measuring chains on which a metrological operation is required. * The number of self-calibrations in progress.

- It allows to display the metrological information of all recorders/probes. The download button  can be used to get the metrological reports if available (Mapping reports, calibration certificates...)

 Adding certificates and metrological reports is only possible on JRI recorders.

1. Park management

The " Park management " window lets you manage your entire metrological park. * Indicators of certificates and mappings to be renewed: List of enclosures and measuring chains on which a metrological operation is required. * List of measurement chains, enclosures and pending metrological certificates. * Probe rotation history * Perform drift analysis

a) Metrology tasks to renew

It's a double indicator :

- The number of mapping to renew:

By clicking on this indicator, you have access to the list of units mappings. Mapping to be renewed are shown in blue in the list.

Measurement chains

Monitored units

Probes turnover

Drift Analysis

Pending certificates

Filter...

1 / 2

ADD NEW MAPPING...

Name	Metro. Requir. ?	Type	Dimensions	Mapping date	Report	Operator	Compliant ?	Expiry Date
AD2218900149	No	-	-	-	-	-	-	-
AD2304401223	No	-	-	-	-	-	-	-
Calib'box (RMO)	No	-	-	May 24, 2023	C22CKA1	Rémi Moreau	✖	Aug 24, 2023
CALIBOX TEST NANO	No	-	-	Sep 5, 2023	TEST RAPPORT CARTO	Mehdi Zaatir	✔	Dec 5, 2023

A click on the button ADD NEW MAPPING gives the possibility to add mapping information on a monitored equipement (mapping report, date, compliance, measuresn stability and homogeneity...)

NEW MAPPING

Monitored unit Select a monitored unit

Mapping date 14 APR 2020

Operator MKT admin maboutit

Compliance YES NO

Report N°

Mapping report Browse

Measures file Browse

Uncertainties file Browse

CANCEL

SAVE

Once the mapping is added, it's possible to modify it or add new one by clicking on ADD ou EDIT.

Monitored unit details

EDIT MONITORING UNIT...

ADD NEW MAPPING...

MONITORED UNIT INFORMATION

Name	Calib'box (RMO)	Monitored unit with metrological requirement	No
Dimensions	-	Manufacturer Reference	-
Manufacturer Serial	-	Manufacturer Name	-
Type	Unknown		

MAPPINGS

Mapping date	Report	Compliance
May 24, 2023	C22CKA1	
Mar 1, 2023	RELMF22005	
Aug 3, 2022	RELMF22005	

- **The number of metrological tasks to renew on the sensors:**

By clicking on this indicator displays the list of metrological information of all the sensors. Metrological certificates to be renewed are displayed in blue in the list.

Measurement chains		Monitored units		Probes turnover		Drift Analysis		Pending certificates			
Filter...		Filter by type...		+ IMPORT METROLOGICAL REPORTS...						1 / 2	
Measurement chain	Probe	Device	Measurement point	Operation date	Type	Report	Operator	Compliance	Error		
FC2208714081 (°C)	-	FC2208714081	-	Jun 15, 2023	Modeling and checking	2023-06-15_932_FC2208714081 (°C)	Rémi MOREAU	✓	0	0.3669756	
AD2225700379 + 4-20mA	4-20 mA Dans l'air	AD2225700379	-	Jun 7, 2023	Calibration	test 4 instructions_906_AD222570K + 4-20mA	Katy Malfoy	?	-0.349	0.1494939	
AD2225700378 + 4-20mA	4-20 mA A coeur	AD2225700378	-	Jun 7, 2023	Calibration	test 4 instructions_906_AD222570K + 4-20mA	Katy Malfoy	?	0.425	0.334115	
AD2209601439 (°C)	-	AD2209601439	-	May 31, 2023	Calibration	FORMATION_877_AD220960 (°C)	Rémi Moreau	?	0	0	
AD2218900149 + 4-20mA	4-20 mA TdK1	AD2218900149	AD2218900149 - 1	May 31, 2023	Calibration	FORMATION_877_AD221890 + 4-20mA	Rémi Moreau	?	0	0	
PO2016803075 (°C)	-	PO2016803075	TEST_MZ - 2	May 16, 2023	Checking	2023-05-16_833_PO2016803075 (°C)	Rémi MOREAU	✓	0.102	0.0664496	

! Your subscription and service level can give you the possibility to edit metrological information of a sensor (Certificate, compliancy, date ...). This is possible only if you activate the optional CALIBRATION module. From version 3.0 and above, it's possible to add measurement uncertainty and calibration error on a measuring chain metrological operation.

History of a measurement chain

+ ADD A METROLOGICAL OPERATION...

MEASUREMENT CHAIN

NameAD2225700379 + 4-20mA

DeviceNano Spy Universal AD2225700379

Probe4-20mA Dans l'air

DriftAnalyse drift

HISTORY

Operation date	Type	Document	Operator	Compliance	Error	Uncertainty	Equation	Expiry Date	
Jun 7, 2023	Calibration	test 4 instructions_906_AD2... + 4-20mA ⓘ	Katy Malfoy	?	-0.349	0.1494939	-	Sep 7, 2023	👁
Jun 7, 2023	Checking	test 4 instructions - do not delete_906_AD222570... + 4-20mA ⓘ	Rémi Moreau	✖	-0.349	0.1494939	-	Sep 7, 2023	👁

Click on "Add a metrological operation" to manually enter a metrological operation (Type, Date, Operator, Error, Uncertainty, etc.).

UPDATE OF A METROLOGICAL OPERATION

Type ☐ Checking

☒ Calibration

Operation date

Operator

Error

Uncertainty

Document CEN°321654.pdf

CANCEL

DELETE

MODIFY

• Import metrological certificates :

JRI metrology certificates can be automatically imported into MySirius CLOUD. However, a manual import function is available for both versions, CLOUD and SERVER. Simply click on IMPORT REPORTS , then drag and drop the reports into the square provided. For customers with the MySirius calibration module, the certificates produced in the CALIBRATION section are accessible for each measurement chain.

Measurement chain	Probe	Device	Measurement point	Operation date	Type	Report	Operator	Compl.	
FC2208714081 (°C)	-	FC2208714081	-	Jun 15, 2023	Modeling and checking	2023-06-15_932_FC2208714081 (°C) ①	Rémi MOREAU	✓	0.3669756
AD2225700379 + 4-20mA	4-20 mA Dans l'air	AD2225700379	-	Jun 7, 2023	Calibration	test 4 Instructions_906_AD2225700 + 4-20mA ①	Katy Mailfoy	①	-0.349 0.1494939
AD2225700378 + 4-20mA	4-20 mA A coeur	AD2225700378	-	Jun 7, 2023	Calibration	test 4 Instructions_906_AD2225700 + 4-20mA ①	Katy Mailfoy	①	0.425 0.334115
AD2209601439 (°C)	-	AD2209601439	-	May 31, 2023	Calibration	FORMATION_877_AD2209601439 (°C) ①	Rémi Moreau	①	0 0
AD2218900149 + 4-20mA	4-20 mA TcK1	AD2218900149	AD2218900149 - 1	May 31, 2023	Calibration	FORMATION_877_AD2218900149 + 4-20mA ①	Rémi Moreau	①	0 0

b) Modelization application

When importing (manually or automatically) new COFRAC calibration certificates or verification reports made by JRI with an error modelization, you can choose whether or not to apply this modelization in order to adjust your measuring chains.

- **Following a drag'n'drop:** Select a measurement chain and click on "SEND".

MODÉLISATION ET AJUSTAGE

La table de calibrage n'a pas été envoyée aux chaînes de mesures ci-dessous. Sélectionner les chaînes que vous voulez ajustées avec l'équation correspondante

ENVOI DES COMMANDES DE MODÉLISATION

	Chaîne de mesure	Equation	Erreur	Incertitude
<input checked="" type="checkbox"/>	AD2209601439 (°C)	$y = 0,0000322x^2 + 1,0072572x + 0,5549739$	0,016	0,04

FERMER ENVOYER

- **Following automatic addition:** In the measurement chain list, a button opens a window. Select the measurement chain and click on "SEND".

In both cases, once the modelization has been sent, an adjustment is made on the measuring chains based on the correction parameters of the certificate.

c) Probes Turnover

This indicator displays the number of measurement points on which sensors have been replaced during the last 12 months.

A click on it displays the table below:

After turnover						Before turnover		
Measurement point	Change date	Measurement chain	Recorder	Probe	Report	Previous recorder	Previous probe	Report
ENCEINTE FORMATION - 6	Sep 11, 2023 3:23 PM	PO2102506660 (°C)	Nano SPY T3- PO2102506660		2023-06-20_940_PO2102506660 (°C) ①			
ENCEINTE FORMATION - 6	Sep 11, 2023 3:23 PM	PO2016802944 (°C)	Nano SPY T3- PO2016802944		2023-06-23_947_PO2016802944 (°C) ①			

d) Drift Analysis

This section will analyze the current drift of measurement chains. The aim is to optimize the rotation periodicity of JRI probes, and to estimate when an adjustment (by modeling) will be necessary on a chain (if error >or< predefined EMT). This estimate is made possible by drift analysis.

e) Pending certificates

As soon as a metrological operation is ordered on a JRI measurement chain that will be used on the JRI-MySirius cloud, the certificate is available for the customer even if the measurement chain is not yet installed. Once the chain is activated and added to the customer's site, the certificate no longer appears in this section. It can be seen directly from the table of metrological information of the measurement chains or the details of the metrological operations of a monitored unit.

2. Self calibration

! The self-calibration feature is only available for MySirius CLOUD version.

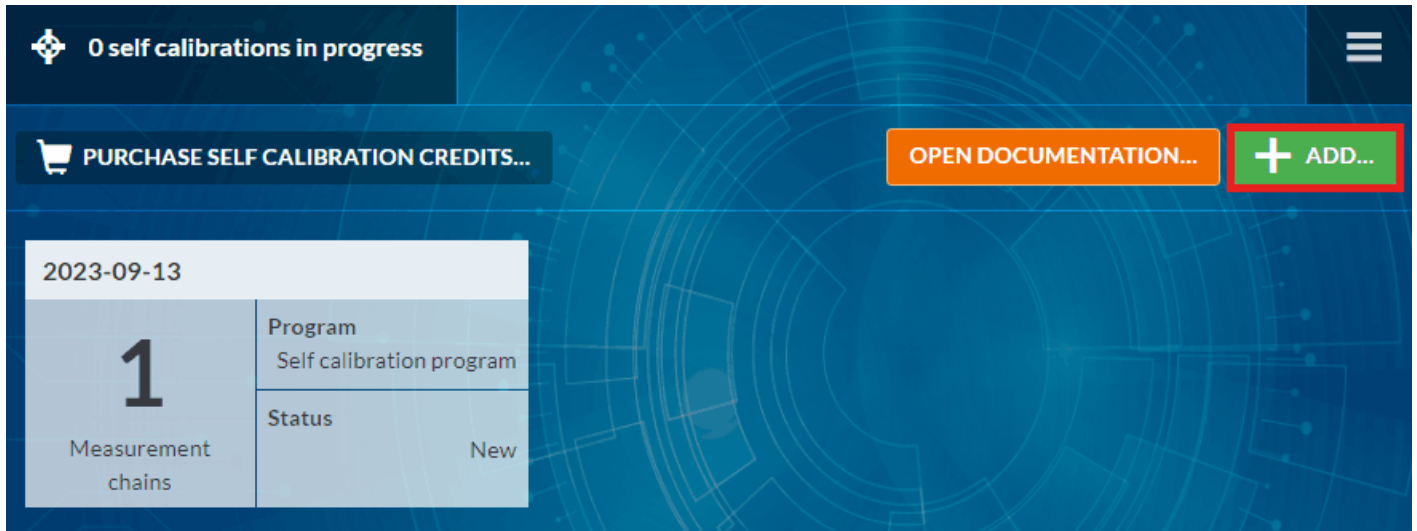
The "Self-calibration" window lets you manage all self-calibration operations

- Self-calibration in progress indicators
- Indicators of number of self-calibration credits remaining
- Order new self-calibration credits
- Create a self-calibration
- Share a reference measuring System

a) Management of self-calibrations in progress

Find your current self-calibrations by clicking on the “Self-calibration in progress” indicator. Continue your self-calibrations by clicking on one of the thumbnails.

- Add a new self-calibration:



2023-09-13	
1 Measurement chains	Program Self calibration program
	Status New

- Create a new self-calibration by clicking on **ADD** from the “Self-calibration in progress” window, or directly from the **+ Create self-calibration** button on the control panel.
- You can then add calibration configuration information (Environment, Type, Reference, Unit of measurement, Standard chain) and contact information (Operator name, Email, Phone number).

▼ CONFIGURATION INFORMATIONS

Environment	Calibox NanoSpy	▼
Type	Eutectic plate	▼
Reference	muYRiZre	
Unit	°C	▼
Standard chain	FC2307431589 + PT000000009 (°C)	▼

▼ CONTACT INFORMATIONS

Name of the operator	Maketing JRI	
Email	xxxx@group-mms.com	
Phone number	France +33	▼ 610505156

CANCEL

PREVIOUS

NEXT

- During the entire set-up, please read the preparation and installation instructions.
- Select devices to be calibrated

CREATE A CALIBRATION OPERATION

Select the devices for calibration

REFRESH

✓	Monitored unit	Name	Communications	Type
✓	-	SY1609800103 (°C)	Connected	Nano SPY T3-
	CHF + - T°	PO2029504430 (°C)	Not connected devices	Nano SPY T2
	Freezer 1296 - T°C 2	AD2200400164 (°C)	Not connected devices	Nano SPY T1
	TEST - test	SY1701200082 (°C)	Not connected devices	Nano SPY T1
	T° AMBIANTE - T°	MS1917800454 (°C)	Not connected devices	Nano SPY T1

CANCEL

PREVIOUS

NEXT

- Launch self-calibration

Resume

Name Maketing JRI
Email xxxx@group-mms.com
Phone number 610505156
Environment Calibox NanoSpy
Standard chain FC2307431589 + PT000000009 (°C)

Average duration of the calibration: 3 hours

REFRESH

Monitored unit	Name	Communications	Type
-	SY1609800103 (°C)	Connected	Nano SPY T3-

CANCEL

PREVIOUS

START

- Once the self-calibration has been completed, the results will be analyzed by JRI's Metrology Department, which will transmit the results within 48 hours.

SELF CALIBRATION INFORMATION

New calibration : A new operation has been added. We're about to start !

CLOSE

- Purchase self calibration credits:**

Self-calibration credits can be topped up by clicking on **PURCHASE SELF-CALIBRATION CREDITS** from the "Self-calibration in progress" window, or directly from the **Buy self-calibration packages** button on the dashboard.

0 self calibrations in progress

PURCHASE SELF CALIBRATION CREDITS...

OPEN DOCUMENTATION...

+ ADD...

2023-09-13	
1 Measurement chains	Program Self calibration program
	Status New

Select the package of self-calibration credits required (1, 10, 50, 100). To finalize your order, you need to validate the Terms and Conditions of Sale. Once the terms and conditions have been validated, the order button is accessible.

PURCHASE OF A CALIBRATION PACKAGE

Number of calibrations purchased

0

General terms and conditions :

Consult General terms and conditions of sale

☐ I understand and agree to the terms and conditions of sale

CANCEL

SAVE

If you are a JRI direct customer, your account will be credited automatically. If you go through an Authorized Distributor, an e-mail will be sent to them so they can make the necessary arrangements.

- Consult the Calibox installation guide:

Click on **"Open documentation"** to access the Calibox JRI installation guide.

0 self calibrations in progress



PURCHASE SELF CALIBRATION CREDITS...

OPEN DOCUMENTATION...

+ ADD...

2023-09-13	
1 Measurement chains	Program Self calibration program
	Status New

- Share reference measuring System:

Share a reference measuring System consists in making this reference measuring system visible and usable by another MySirius account. To share a reference measuring system click on  and to stop sharing it, click on .

3. Metrology alerts configuration

It's possible to set an alert as a reminder of a close expiry date on a mapping report or a calibration certificate. Click on the button METROLOGICAL ALERTS CONFIGURATION and modify the Validity duration (in months) and the Number of days before alarm.

Configuration...

✕

▼ MONITORED UNITS WITH METROLOGICAL REQUIREMENT

	Validity duration (in months)	Number of days before alarm
Calibration	12	30
Checking	12	30
Mapping	12	30

▶ MONITORED UNITS WITHOUT METROLOGICAL REQUIREMENT

▼ NOTIFIED USERS AFETR A METROLOGICAL ALARM

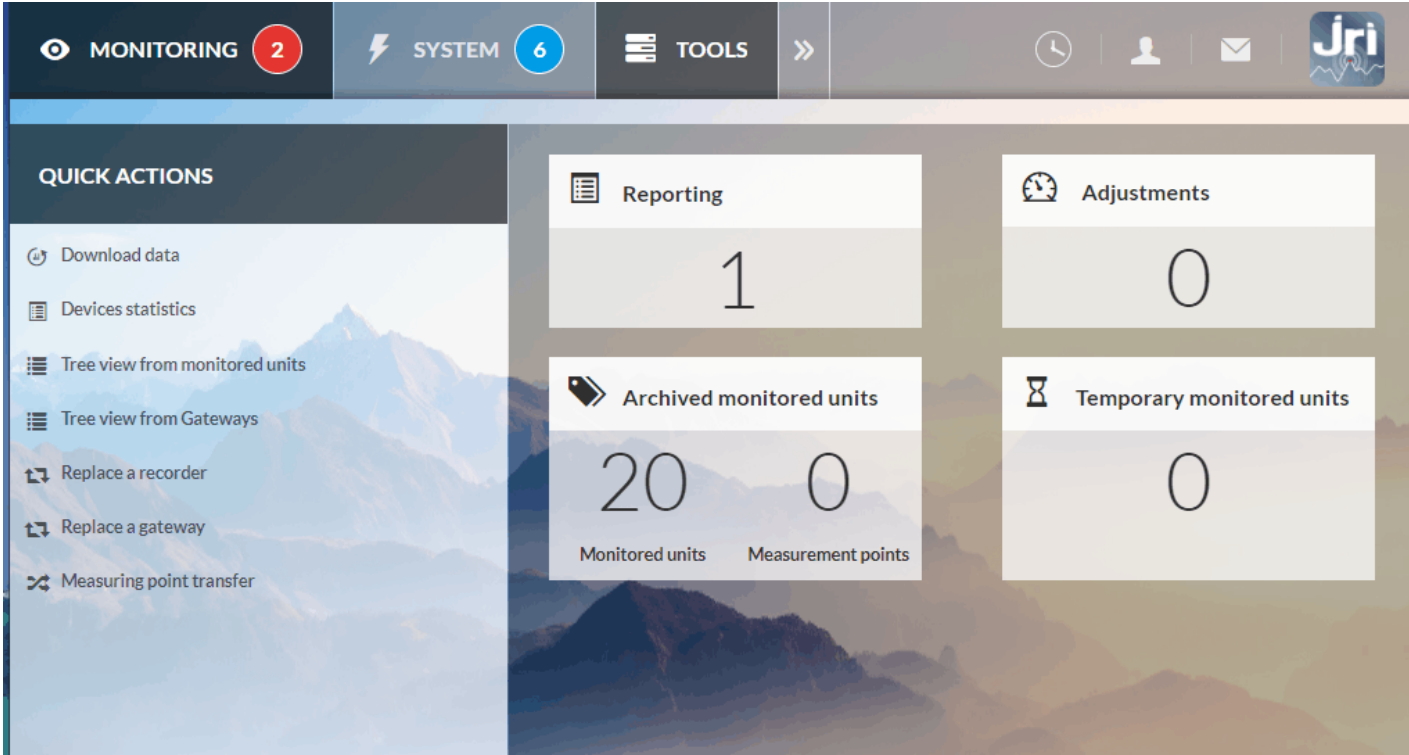
Users

MODIFY

XV. TOOLS TAB & MAINTENANCE MODULE

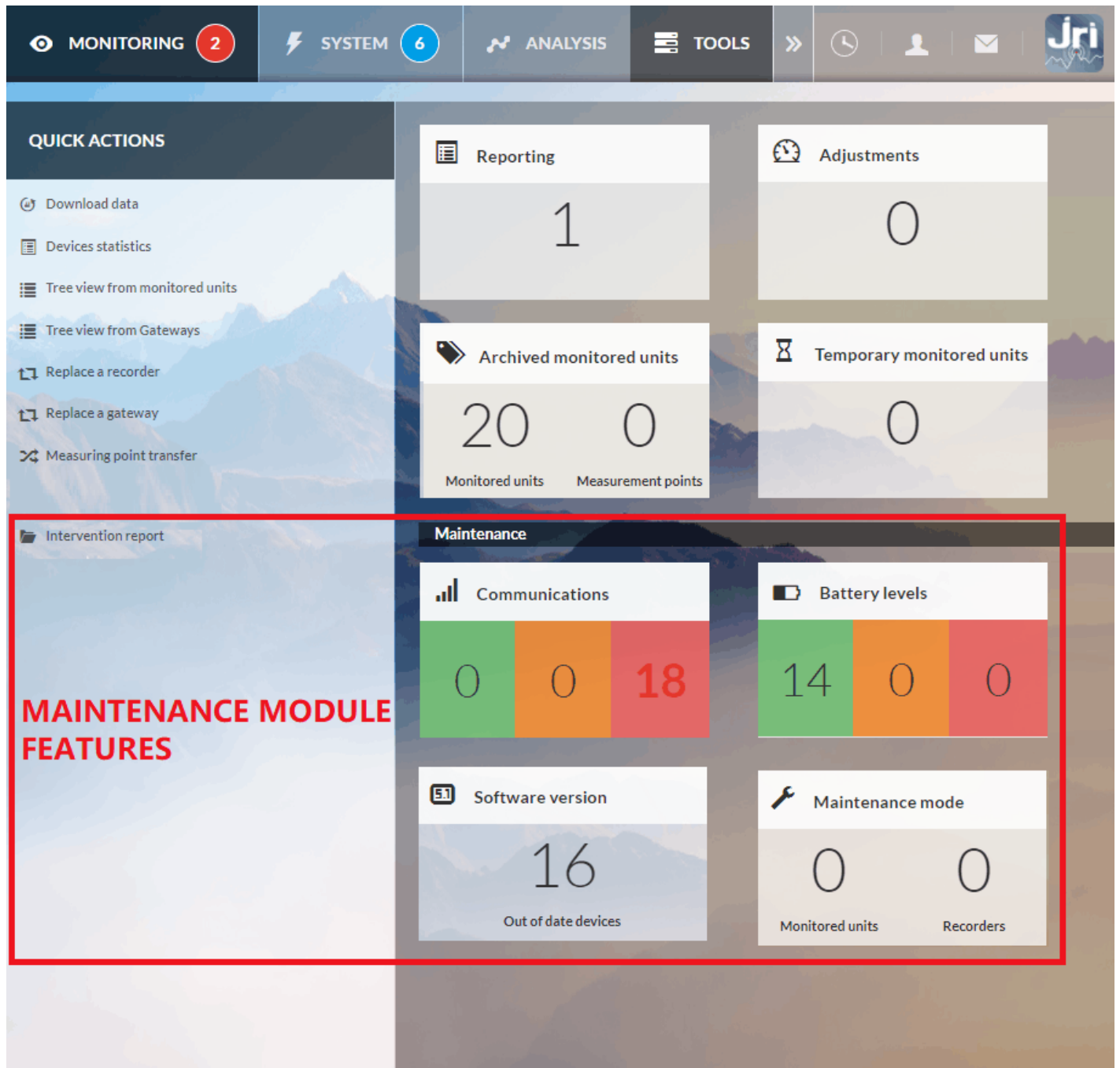
For MySirius version 3.1 and above, the MAINTENANCE tab name becomes TOOLS

THE **MAINTENANCE/TOOLS TAB** is available for all MySirius service levels. It allows the edition and visulization of reports, data from archived monitored units or measurement points. It is also possible to create temporary monitored units to view and export data as part of metrological operations (mapping, calibration, verification)



If the MAINTENANCE MODULE is enabled (purshased), additional tiles are displayed below the MAINTENANCE line.










The **MAINTENANCE MODULE** is optional, available for all MySirius service levels. It provides more detailed elements to easily manage your fleet communication statistics, battery levels and device firmwares (Nova range & Nano range)



1. Quick actions menu

This menu is available in the TOOLS tab. It allows some quick actions :

QUICK ACTIONS

-  Download data
-  Devices statistics
-  Tree view from monitored units
-  Tree view from Gateways
-  Resolution modification of measuring point
-  Replace a recorder
-  Replace a gateway
-  Measuring point transfer
-  Intervention report

- [Download Data](#) : (see User guide)
- [Device statistics](#) : Create a report resending the composition of your fleet by type of device.

Creation date : 29/03/2021 22:12

Name of the scheduled report : test

Statistical report

	Model	Number	Percentage
Nano SPY T1	Ambient (v2)	1	20 %
Nano SPY T1	Ambient	1	20 %
Nano SPY T2	Distant 30 cm (v2)	1	20 %
Nano SPY ALARM	(v3)	1	20 %
Nano SPY LINK	Wifi	1	20 %
Subtotal		5	100 %
Total		5	100 %

- [Tree view from monitored units or Gateways](#) : This display shows the link between the monitored units, the devices used (measurement chains), the RELAY / ALRM modules as well as the GateWays / LINKS which are used for communication. It is possible to export this information in PDF or CSV format.



- Resolution modification : Choose the measuring chain and change the resolution (0.1 ; 0.01 ; 0.001)
- Recorder or GateWay exchange : These 2 functions allow a simplified replacement of one recorder by another during curative or preventive maintenance operations without affecting the configuration of the monitored unit. Exchange is only possible between compatible devices (A Nano T1 can be replaced by a T1 or T2 for example, but not by a LORA TH). The replacement of GateWays / LINKs is simplified and induces the automatic modification of the alert means if used in cascades.
- Measuring point transfer: It is possible to transfer a measurement point (configuration and measurements) from one unit to another. All you have to do is choose the unit, the measurement point and the destination unit.
- Intervention report (voucher) : Upload or edit a report with the details of an intervention in order to send it by email or integrate it in "MY DOCUMENTS"

INTERVENTION REPORT

Start date of intervention	2 Mar 2021 22:00
End date of intervention	3 Mar 2021 22:00
Observation and description of the intervention	Installation of 10 NANO SPY T1 recorders , 2 LINKS. Configuration of Alerts and users profiles. Training and installation validation.
Name of the client / site	REGILAT
Contact information	Mrs REGINE
Order number	CCM-21-15623
Type of intervention	Curative
Actions to do	Send the ENVOICE

The report will be saved in the documentary space

CANCEL PREVIOUS SAVE

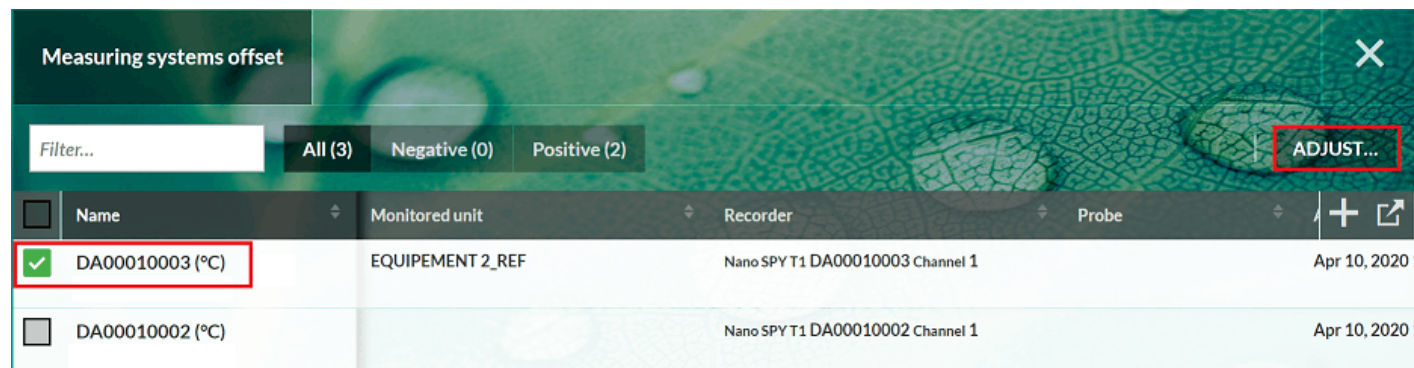
2. Reporting

- Reporting management (see section REPORTING in the user guide)

3. Proceed to an Ajustement

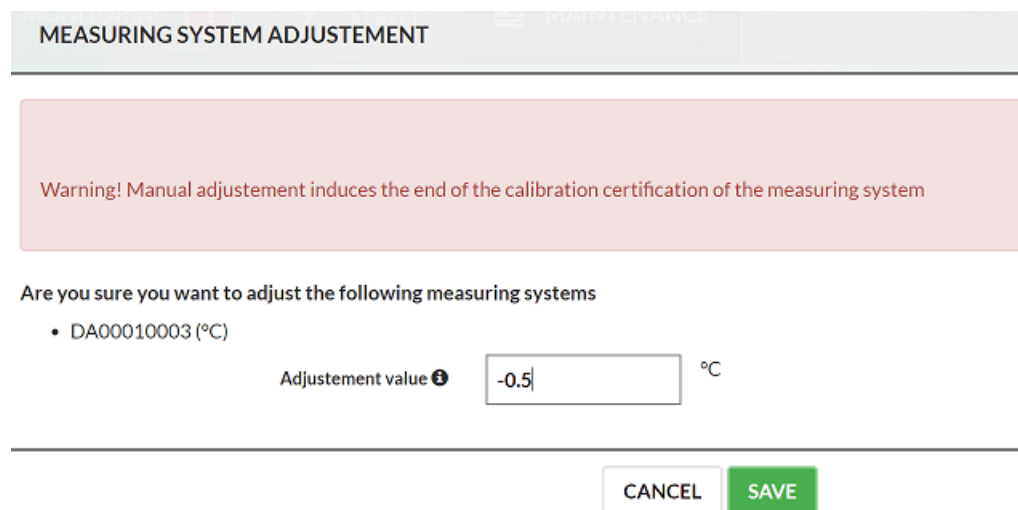
To adjust (set an offset) on a measuring chain (only for Nova, Nano and LoRa recorders with built-in sensors):

1. Select the measuring chain to adjust
2. Click on adjust



Measuring systems offset				
Filter...				
All (3) Negative (0) Positive (2)				
	Name	Monitored unit	Recorder	Probe
<input checked="" type="checkbox"/>	DA00010003 (°C)	EQUIPEMENT 2_REF	Nano SPY T1 DA00010003 Channel 1	Apr 10, 2020
<input type="checkbox"/>	DA00010002 (°C)		Nano SPY T1 DA00010002 Channel 1	Apr 10, 2020

3. Enter the offset value (positive or negative value)



MEASURING SYSTEM ADJUSTEMENT

Warning! Manual adjustment induces the end of the calibration certification of the measuring system

Are you sure you want to adjust the following measuring systems

- DA00010003 (°C)

Adjustement value ⓘ °C

CANCEL SAVE

A click on a measuring chain displays the list of all previous ajustement operations.

⚠ When a measuring chain is adjusted, its previous metrological certificates are not valid anymore.

4. Archived

See section Maintenance module in User guide

5. Temporary monitored units

Temporary monitored units are used to generate data for mapping and test purposes.

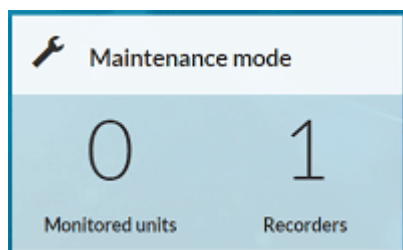
For all Nova SPY's version and from version 4.0 of the Nano SPY, it is possible to use the fast recording mode to take sub-minute measurements. It is not recommended to use this mode over a long period of time as it significantly reduces the battery life of the device.

Devices with new version available						
Filter...	All (351)	Nano SPY (305)	Nova SPY (32)	Nano SPY LINK (3)	Nano SPY ALARM (11)	SOFTWARE UPDATE OF THE RECORDER... UPDATE ALL DEVICES...
Serial number	Name	Type	Last message	Version	Last version	
Nano SPY ALARM (11)						
<input type="checkbox"/> AE1149	AE1149	Nano SPY ALARM	Apr 16, 2024 1:47 PM	4.1.0	4.5.0	
<input type="checkbox"/> AE1221	AE1221	Nano SPY ALARM	Apr 16, 2024 12:46 PM	4.1.0	4.5.0	
<input type="checkbox"/> AE1221	AE1221	Nano SPY ALARM	Apr 16, 2024 12:46 PM	4.1.0	4.5.0	
<input type="checkbox"/> AE1241	AE1241	Nano SPY ALARM	Apr 16, 2024 12:17 PM	4.1.0	4.5.0	
<input type="checkbox"/> AE1199	AE1199	Nano SPY ALARM	Apr 16, 2024 11:01 AM	4.1.0	4.5.0	
<input type="checkbox"/> AE1124	AE1124	Nano SPY ALARM	Apr 16, 2024 10:40 AM	4.1.0	4.5.0	
<input type="checkbox"/> AE1125	AE1125	Nano SPY ALARM	Apr 16, 2024 10:39 AM	4.1.0	4.5.0	
<input type="checkbox"/> AE1132	AE1132	Nano SPY ALARM	Apr 16, 2024 10:24 AM	4.1.0	4.5.0	

Upgrade procedure on MySiriusSERVER: - Contact JRI support (support@group-mms.com) to get the firmware files (.nrm) - Open the MySirius installation directory (by default C:/JRI/MySirius) - Create the directory "C:/JRI/MySirius/Firmware" and open it. - Create a directory "Nano" or "Nova" which must contain the file "SNR_11.nrm" (software of the Nano SPY or Nova SPY). - As the version number of each software is written in the Web.config file, it is necessary to update the information of the soft versions registered in it to be able to carry out the update via the SOFT VERSION tile of the MAINTENANCE tab.

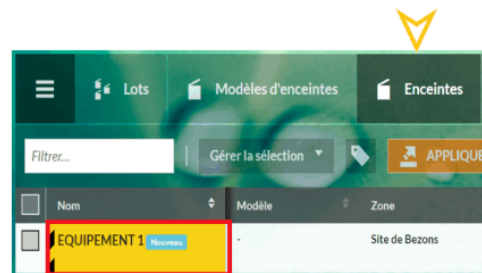
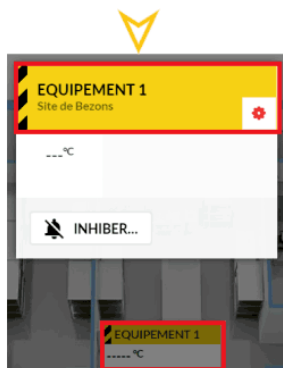
i The soft update of LINKS and RELAYS can be done directly with a PC and the CONFIG LINK tool.

7. Maintenance Mode



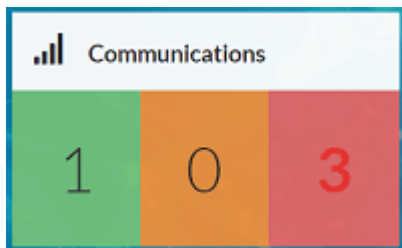
A monitored unit or a recorder can be set into maintenance mode in MySirius (with a deadline and reason) during corrective intervention on the monitored equipment or the device used for monitoring. Select the monitored unit or the recorder and click on MAINTENANCE. This operation stops alerts and measurements sending to MySirius. Monitored units and recorders undergoing maintenance are identified by a yellow / black colour in the OPERATION / ADMINISTRATION tab.

Gestion des enceintes en maintenance						
Filter...	Tous	METTRE EN MAINTENANCE	ARRÊTER LA MAINTENANCE			
✓	Nom	Début de la maintenance	Fin de maintenance programmée	Raison	Responsable de la maintenance	Zone
✓	EQUIPEMENT 1	23 mars 2021 23:32	25 mars 2021 23:32	ARRÊT		Site de Bezons



Setting back a unit to OPERATIONAL mode is done by clicking on the STOP MAINTENANCE MODE button.

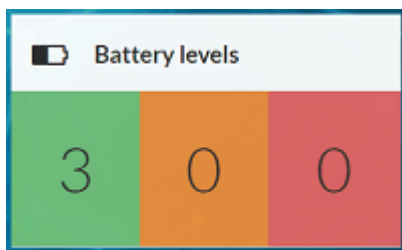
8. Communication Statistics



This tile gives access to the communication statistics table. It displays the radio level and the number of measurements retrieved, for example, which are key indicators for a proper functioning of a measurement chain. This list is exportable. Values colour changes from black to orange then to red depending on the statistics.

Statistiques des communications								
Filtrer...		Nano SPY Nano SPY LINK		1/2				
Nom	Gateway	Dernier message	Niveau radio	Trames reçues (dernier jour)	Trames reçues (3 derniers jours)	Récupération de mesures. (3 derniers jours)	Trames en réémission (3 derniers jours)	
PO2026603291	Link Ethernet 2	23 mars 2021 23:59		59 %	59 %	6	0	0
MS2016304348	Link Préférentiel	24 mars 2021 00:00		2 %	2 %	5	10	9
PO2102506481	Link Préférentiel	23 mars 2021 23:59		48 %	48 %	5	6	53
MS2016304572	Link Préférentiel	23 mars 2021 23:59		49 %	49 %	7	6	23
PO2102506510	Link Préférentiel	23 mars 2021 23:58		9 %	9 %	3	11	15
SY1609800050	Link Ethernet 2	23 mars 2021 23:59		69 %	79 %	1	1	98
SY1609800138	Link Ethernet 2	23 mars 2021 23:59		69 %	79 %	1	1	142
MS1716500083	Link Ethernet 2	18 mars 2021 16:48		0 %	0 %	0	0	0

9. Battery level



This tile gives access to the details of devices battery levels. The battery level of each device is updated in real time within each communication. Sorting can be done to display critical battery levels $\leq 40\%$ to organize battery change campaigns. This list is exportable.

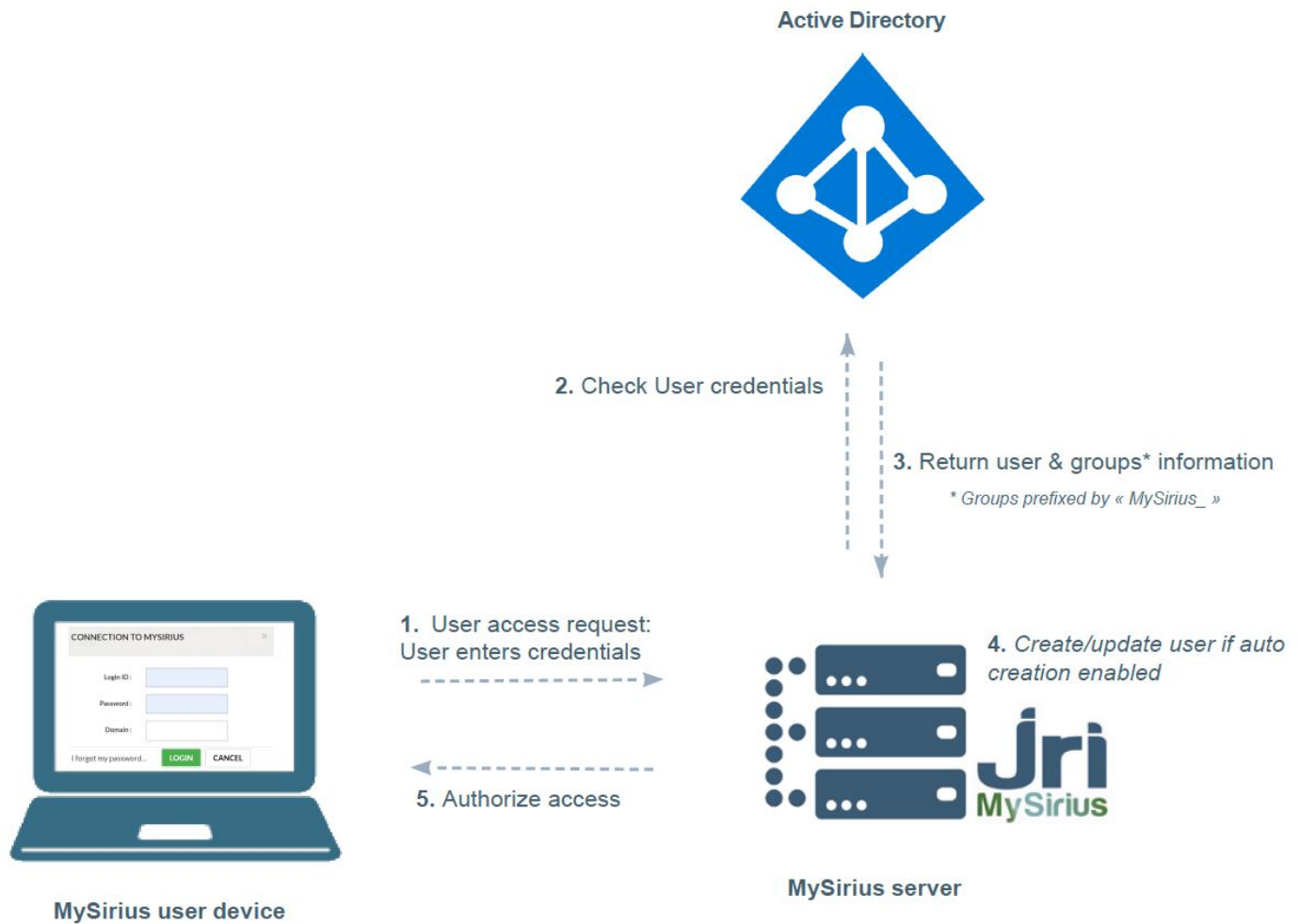
From version 3.0 upwards, you can enter the battery change date by selecting one or more devices and clicking on BATTERY CHANGE.

XVI. LDAP (ACTIVE DIRECTORY) MODULE FOR MYSIRIUS SERVER

This function can only be activated on MySirius Server and must be ordered before installation. It's a configuration parameter used to activate users management by an LDAP (Active directory or other).

This feature is used to manage user authentication (password verification). Depending on the options activated, it is also possible to manage the automatic creation of users and the rights of the user's profiles.

1. Operating diagram



2. LDAP configuration

- Use DISTRIBUTOR's login or general administrator account created on the setup of MySirius.
- Open options Menu and select AUTHENTICATION SYSTEM

Q

≡

👤

Translations
Alert systems
Cultures
Countries
Units
Simulated products

Message

Authentication system

- Enter the required information provided by the customer's IT and click on "SAVE"
- Select the optionnal features accoing to the customer's needs
- Restart MySirius services to apply changes on your installation.

👤

Authentication system

✕

SAVE

Authentication mode

LDAP

▼ LDAP SETTINGS

Domain

xxx.yyy

Base DN

DC=xxx,DC=yyy

Authentication needed

YES NO

User

xxxx

Password

••••••••

Connection options

☒ Negotiate
☐ SimpleBind
☐ SecureSocketLayer
☒ Signing
☒ Sealing
☐ ServerBind

▼ MYSIRIUS OPTIONS

Advanced options

☒ Create and update automatically users
☒ Auto fill batches
☒ Auto fill profile

3. Users accounts management prerequisites

- If the automatic creation is disabled you have to :

- Either manage users manually (create/modify) via MySirius
- Or develop a synchronization application that will communicate with the Connectivity module
- If automatic users accounts creation is enabled:
 - Make sure you have the following users information in the customer Active Directory:
 - * First name
 - * Name
 - * Login
 - * Email address
 - * MySirius profile : can be managed via an AD group - if the option is enabled:
 - Administrator: MySirius_Profile_Admin
 - BAtch Manager: MySirius_Profile_BatchManager
 - Simple user: MySirius_Profile_BatchUser
 - Metrologist: MySirius_Profile_Metrolog
 - Customized profile: MySirius_Profile_profile name
 - * Otherwise If disabled, the user is created with the simple User profile
 - List of MySirius batches : can be managed via AD groups - if the option is enabled:
 - * Format: MySirius_Batch_nom of the lot
 - * Otherwise, if the option is disabled, the default batch is assigned to the user (unless it is an administrator, in which case it will have access to all batches)


XVII. COMPATIBILITY WITH LABGUARD SOLUTION (FROM MYSIRIUS 3.0)

From version 3.0 of MySirius, the control of the LABGUARD solution has been made possible through the use of an access point.

1. Configuration of a transmitter

The configuration of a LabGuard transmitter is done from the RECORDERS tab in the ADMINISTRATION menu.

- To open the configuration menu, click on the button



- Check the parameters to be activated and click on “SEND”.

TRANSMITTER CONFIGURATION

Name

test

Alarm indicator

Yes

Projected alarm configuration

☐

Threshold exceeded

☐

Sensor lost

☒

Temporised threshold exceeded

☐

Communication lost

☐

Certificate expiration

☐

Battery low☐☐

Relay activation parameter

☐

Threshold exceeded

☒

Sensor lost

☒

Temporised threshold exceeded

☒

Communication lost

☐

Certificate expiration

☐

Battery low

☐

Memory full☐

Notification parameters

☐

Threshold exceeded

☒

Sensor lost

☒

Temporised threshold exceeded

☒

Communication lost

☐

Certificate expiration

☒

Battery low

☐

Memory full

☒

Mains power lost

Attempts before no answer alarm

4

Measurement transmission frequency (min)

15

Authorisation to switch to standby

No

Authorisation to power down

No

Loss of mains power supply alarm

No

CLOSE

SEND

- The button  allows to send requests to a sender.

REQUEST

ADMINISTRATION

>>

🕒

👤

✉

JRI

Type

Get transmitter configuration

Search a receiver

CLOSE

SEND

2. Operating and alarm schedule

For each monitored unit by a LabGuard or nano Spy device, it is possible to define an operating and alarm schedule.

- Go to the configuration sheet of a monitored unit and select YES for the “MONITORED UNIT WITH SCHEDULE” parameter.

MODIFY A MONITORED UNIT "MONITORED UNIT TEST"

Monitored unit

Configuration

Characteristics (Optional)

Measurement points

1. °C

Add a measure point

Name

MONITORED UNIT TEST

Inventory number

Enter inventory number

Zone

AccessPoint labguard

Batches

Default Group

ETHERNET

Create a new batch

Monitored unit with metrological requirement


YES

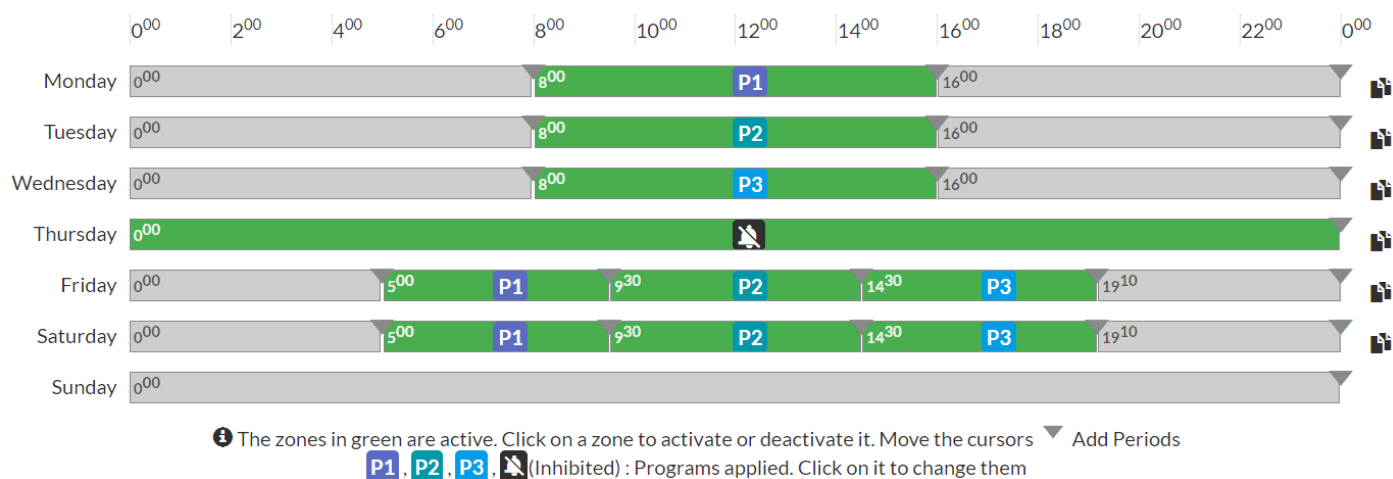
NO

Monitored unit with schedule

YES

NO

- Customise the weekly schedule displayed. It is possible to divide a day into several time slots using the sliders .
- Enable/disable the measurements recording on a period by clicking on it
 - Grey areas = No measurements recording and no triggering of alerts (thresholds / techniques)
 - Green zones = Measurements recording with management of alerts
 - Zones with programs P1, P2, P3 = Triggering of alarms according to the thresholds and delays defined in each program
 - Zones with alarm inhibition = Inhibition of alarms.



CANCEL

SAVE AND APPLY

- Set the alert programs (criticality, thresholds, time delay...etc) for each measurement point:

Programme 1

Type	Critique ?	Valeur (°C)	Durée de dépassement autorisé	Cumulé ?	Période (h)
Seuil Haut	<input checked="" type="checkbox"/>	0	0	<input type="checkbox"/>	

+ Ajouter un seuil

Programme 2

Type	Critique ?	Valeur (°C)	Durée de dépassement autorisé	Cumulé ?	Période (h)
Seuil Bas	<input checked="" type="checkbox"/>	0	0	<input type="checkbox"/>	

+ Ajouter un seuil

Programme 3

Type	Critique ?	Valeur (°C)	Durée de dépassement autorisé	Cumulé ?	Période (h)
Seuil Haut	<input checked="" type="checkbox"/>	0	0	<input type="checkbox"/>	

3. Measurement uncertainty

The measurement uncertainty and/or the calibration error can be integrated in the configuration of the alarm thresholds. In the measuring point, you can now choose to apply the uncertainty, the uncertainty + error or a manual value. This choice is applied to the thresholds.

Ex: High threshold at 8°C and low threshold at 2°C with an uncertainty of +/-0.5. For the triggering of alarms, we will take threshold values at 7.5 and 2.5

!

▼ ALARM THRESHOLDS

Type of uncertainty **Uncertainty and error** ▼

Alarms activated ? **YES** NO

Type	Criticality	Value	Allowed overrun duration
High threshold	<input checked="" type="checkbox"/>	<input type="text" value="7"/>	6 min ▼
	<input type="checkbox"/>	<input type="text" value="6"/>	
	<input type="checkbox"/>	<input type="text" value="3"/>	
Low threshold	<input checked="" type="checkbox"/>	<input type="text" value="2"/>	6 min ▼

CANCEL **SAVE AND APPLY** **SAVE**