



Datatys for IoT

User Guide – EXTERNAL

Code FE-003
Owner Département IoT

Versions

Version	Date	Authors	Modifications
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1. INTRODUCTION

This guide aims to present the operational philosophy of Datatys and its basic functions. Advanced features will not be explained in this document.

Nomenclature

SN : *Serial Number* of the sensor

DevEUI : *Device Extended Unique Identifier*. Identifier ensuring the uniqueness of the sensor for LoRaWAN.

2. INTERFACE OVERVIEW

2.1. Comprehensive Presentation

For a comprehensive presentation of Datatys, please refer to the following documents (if you do not have them, make a request to your sales or project representative):

- Datatys.GuideUtilisateur.Client.pdf
- Datatys.GuideUtilisateur.Admin.pdf

2.2. Overview for IoT sensors

2.2.1. How to access Datatys ?

To access Datatys, visit <https://datatys.com/login>. On the login page, enter your credentials. If you do not have them, contact your sales or project representative.

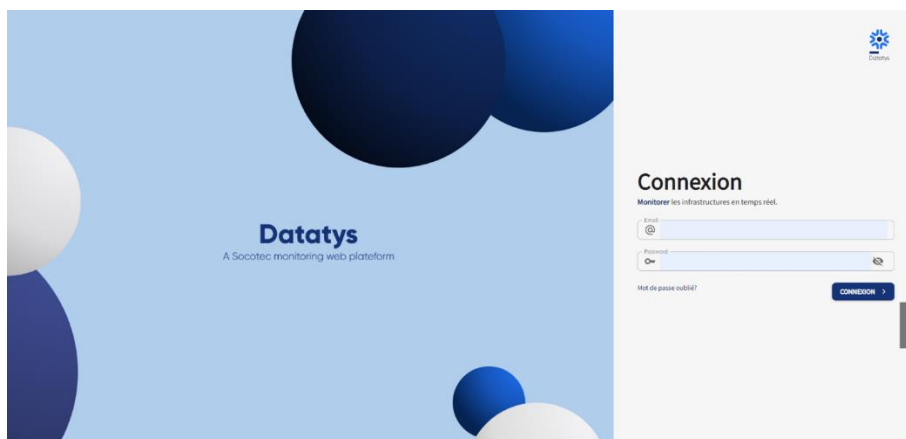


Figure 1 : Datatys, login page

2.2.2. Your Projects page

After logging into the platform, the projects page displays. It lists all the projects you are a member of.

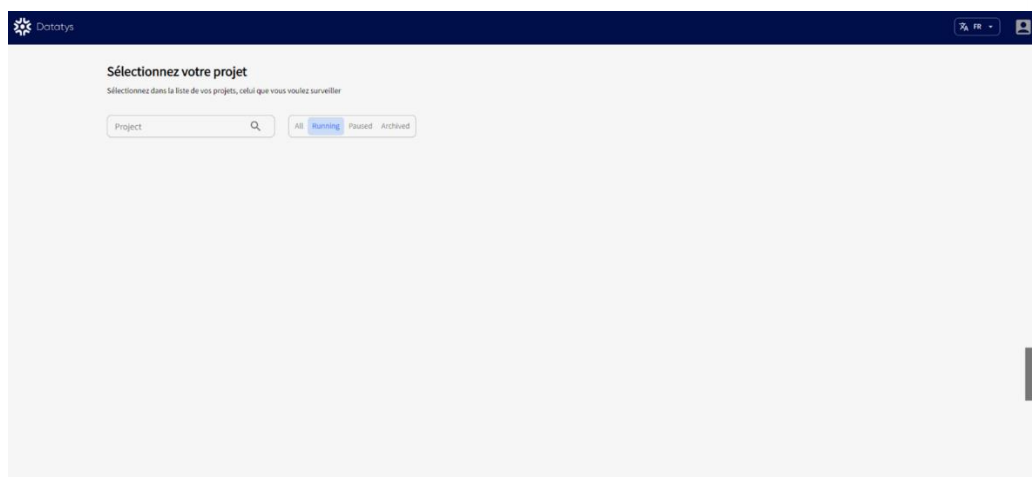
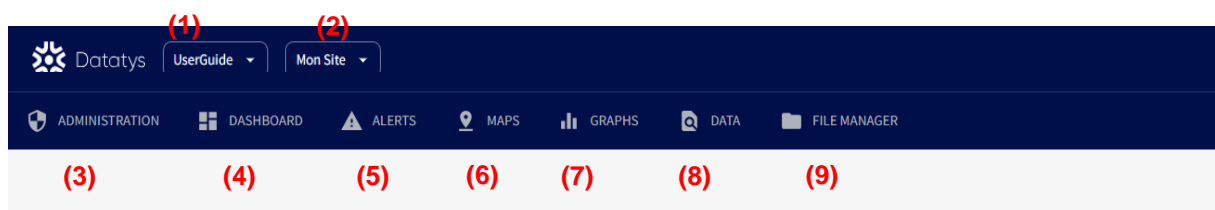


Figure 2 : Datatys, projets page

2.2.3. Page for one specific project

Après sélection de votre projet, vous arrivez par défaut sur le panneau des *dashboards*. After selecting your project, you are by default on the dashboard panel.



- (1) : Drop-down menu for the projects of which you are a member.
- (2) : Drop-down menu of the sites of the selected project.
- (3) : « ADMINISTRATION » panel. For users with « Admin » status.
- (4) : « DASHBOARD » panel. All the dashboards of the selected site.
- (5) : « ALERTS ». If some alerts are triggered, they will be logged here.
- (6) : « MAPS ». View the position of your elements if you have entered the coordinates.
- (7) : « GRAPHS ». Regroupe les graphiques du site sélectionné.
- (8) : « DATA ». Tool to display and obtain data of a sensor, a variable, etc...
- (9) : « FILE MANAGER ». Management of all the files of the project.

Figure 3 : Overview of the panels

3. HOW TO CREATE A PROJECT AND A SITE ?

⚠ Requirement : - You must have « Admin » status.


Step 1 : Add a project by clicking on « Add Projects » in the menu.



Figure 4 : "Add Projects" Panel

Step 2 : Fill in the details that characterize your project, then click "SAVE PROJECT".

(1)



Drag or click to add files

Files accepted: (.png, .jpg, .jpeg, .jpe, .png, .jpg), Number of files accepted: 10

(2)

Nom du projet *	Nom de la société *
Sélectionnez le pays *	Sélectionnez le fuseau horaire *
Ville *	Nom projection * WGS 84
Date de début	Date de fin prévisionnelle
Numéro de référence du projet	<input type="checkbox"/> Redirection page graphe
Description	

ANNULER ×
RÉINITIALISER ↺
SAUVEGARDER LE PROJET

(1) : Add pictures. This is not mandatory but they can help you for the clarity of the project.

(2) : Fill in the details.

Figure 5 : Add a project

Step 3 : Add a site. Adding at least one site is mandatory. To add a site, click on "Add Sites" in the menu.

Datats's operational philosophy dictates that each project contains one or more sites. Within the same project, these sites allow you to segment your project. This segmentation could represent geographical areas, ranges of sensors, etc. This organization choice is specific to each project.

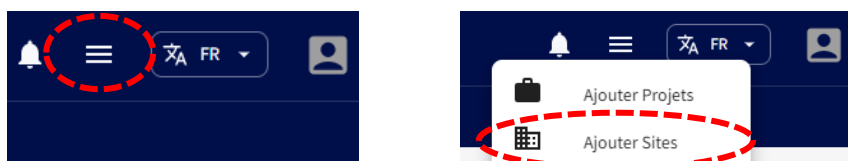


Figure 6 : « Add Sites »

Step 4 : Fill in the details that characterize your site. Again, name your site considering the geographical area for example.

Ajouter un nouveau site
Créer un nouveau site, ajouter le nom, le type et la date

Nom du site*	Type de site*
Date de début 20/09/2023	Date de fin prévisionnelle 20/09/2023
<input type="checkbox"/> Sous-site	
<input type="button" value="ANNULER"/> <input type="button" value="SUBMIT"/>	

Figure 7 : Add a site

4. HOW TO ADD A SENSOR TO MY PROJECT ?

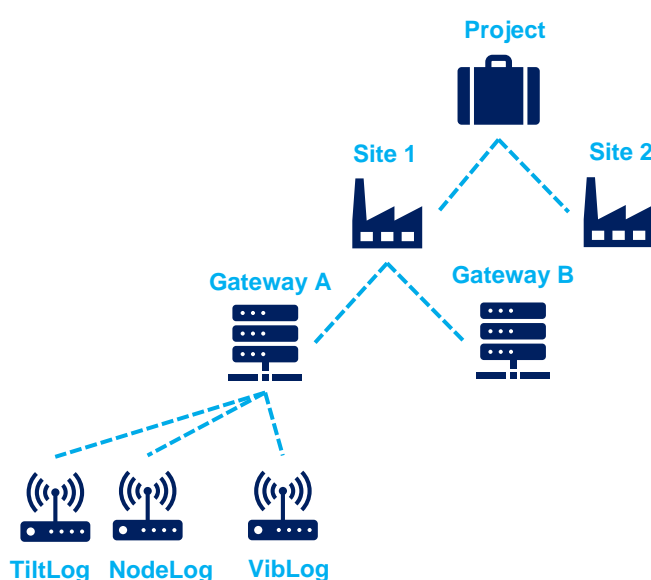
- ⚠ Requirements :**
- You must have « Admin » status.
 - You must have created a project and a site.

4.1. Principle

All sensors added are associated with a Gateway. This Gateway specifies the data source. You will be prompted to record one when adding your sensors.

If you want to add other sensors to your project, it is not mandatory to add a new Gateway.

A project is organized as follows:



The « Gateway » in Datatys is a way to aggregating data. It has nothing to do with a LoraWAN Gateway installed on site which is a physical device to get LoraWAN coverage.

Figure 8 : Architecture du projet

Important Note :

- ⚠** As long as your sensor is not added to your Datatys project, the data it acquires will not be associated with your project. Remember to add your sensors to your project at an appropriate time.

It is better to add your sensor ahead of its operation and/or installation.

4.2. Adding sensor for the first time (with Gateway creation)

Step 1 : Click on « Add Sensors » in the panel on the right.

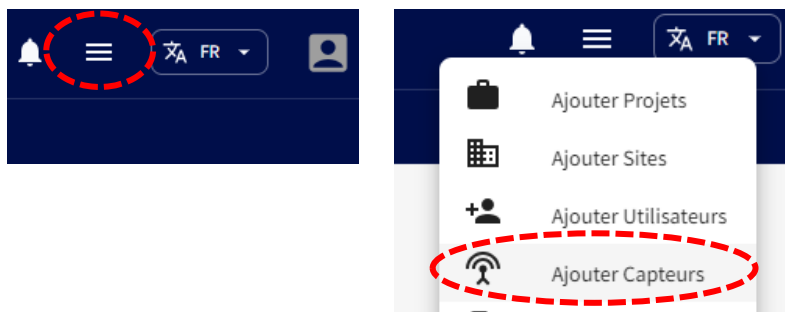
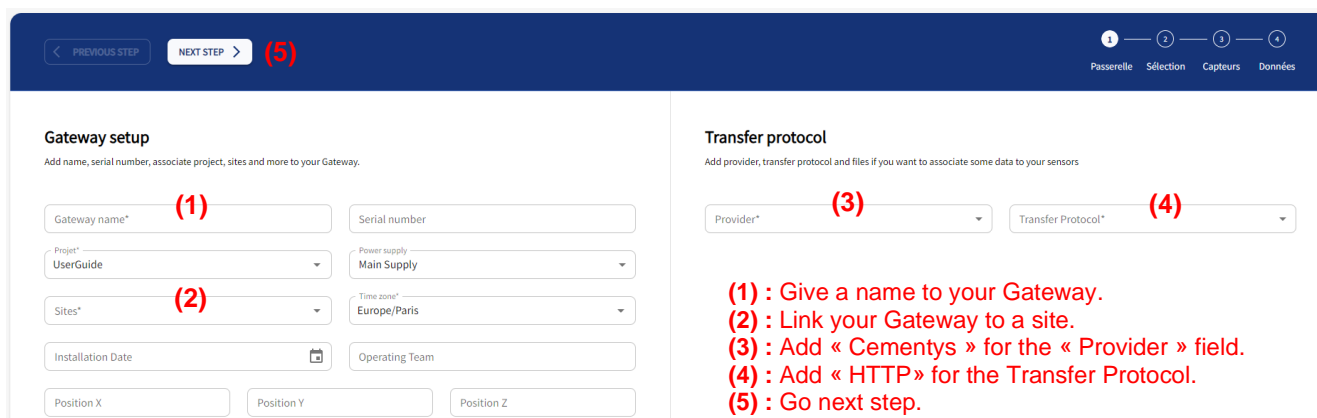


Figure 9 : « Add Sensors » Menu

Step 2 : Fill in details of your Gateway.



Gateway setup
Add name, serial number, associate project, sites and more to your Gateway.

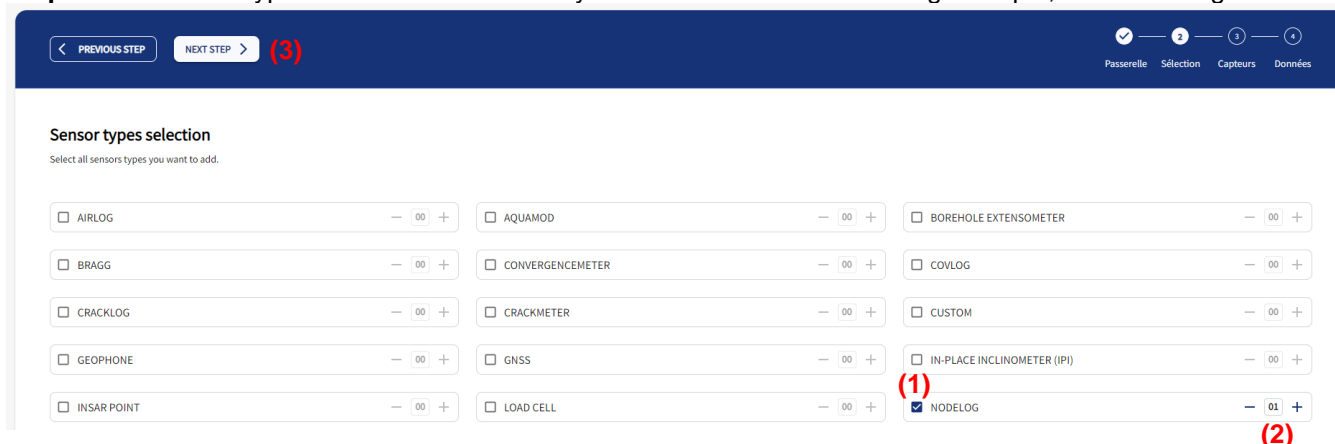
Transfer protocol
Add provider, transfer protocol and files if you want to associate some data to your sensors

(1) Gateway name*
(2) Sites*
(3) Provider*
(4) Transfer Protocol*
(5) NEXT STEP >

(1) : Give a name to your Gateway.
(2) : Link your Gateway to a site.
(3) : Add « Cementys » for the « Provider » field.
(4) : Add « HTTP » for the Transfer Protocol.
(5) : Go next step.

Figure 10 : Add a sensor – Gateway Setup

Step 3 : Choose the type and number of sensors you wish to add. In the following example, we are adding 1 NodeLog.



Sensor types selection
Select all sensors types you want to add.

<input type="checkbox"/> AIRLOG	- 00 +	<input type="checkbox"/> AQUAMOD	- 00 +	<input type="checkbox"/> BOREHOLE EXTENSOMETER	- 00 +
<input type="checkbox"/> BRAGG	- 00 +	<input type="checkbox"/> CONVERGENCEMETER	- 00 +	<input type="checkbox"/> COVLOG	- 00 +
<input type="checkbox"/> CRACKLOG	- 00 +	<input type="checkbox"/> CRACKMETER	- 00 +	<input type="checkbox"/> CUSTOM	- 00 +
<input type="checkbox"/> GEOPHONE	- 00 +	<input type="checkbox"/> GNSS	- 00 +	<input type="checkbox"/> IN-PLACE INCLINOMETER (IPI)	- 00 +
<input type="checkbox"/> INSAR POINT	- 00 +	<input type="checkbox"/> LOAD CELL	- 00 +	<input checked="" type="checkbox"/> NODELOG	- 01 +

(1) NODELOG
(2) 01

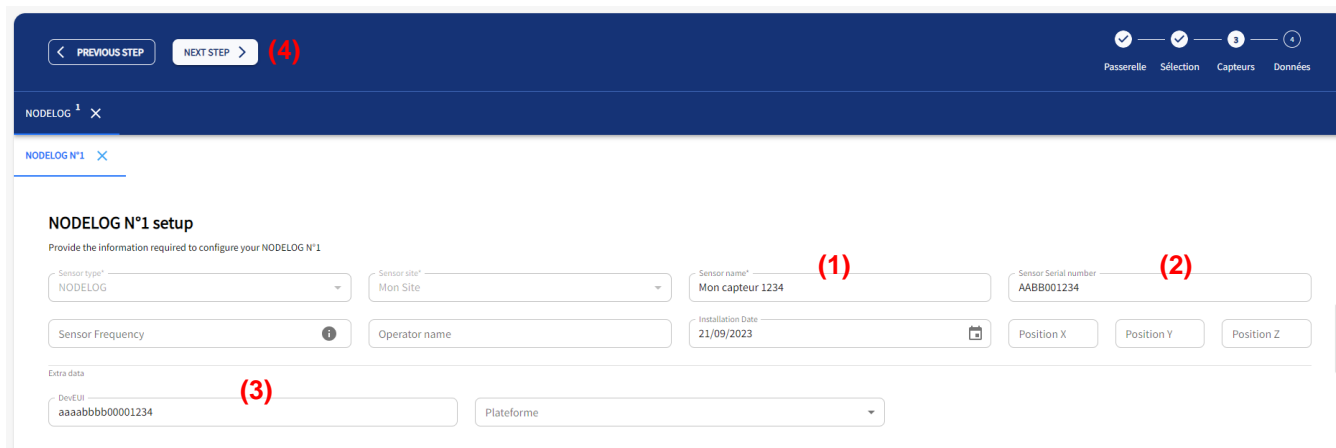
- (1) : Spécifier la nature du capteur à ajouter (dans cet exemple : un NodeLog)
(2) : Spécifier le nombre de capteur (dans cet exemple : 1)
(3) : Passer à l'étape suivante.

Figure 11 : Ajout de capteur – Sélection du capteur

Step 4 : Enter the characteristics of your sensor. Depending on the selected sensor, the available fields may vary (they refer to specific and/or advanced functionalities).

At least, three fields must be filled:

- Name
- Serial Number
- DevEUI (for LoRaWAN sensors).



- (1) : **Name** of your sensor. We recommend leaving a part of the Serial Number visible. This makes it easier to identify the sensors in the project.
- (2) : **Serial Number** of the sensor. It is written on the sensor.
- (3) : **DevEUI** of the sensor (information specific to LoRaWAN sensors). It is written on the sensor.
- (4) : Go next step.

Figure 12 : Add a sensor – Specifications for the sensor

Step 5 : The page displayed shows a summary of the entered information. Save your additions.



Figure 13 : Add a sensor - Save

Step 6 : Find your sensors in the "SENSORS" section within the "ADMINISTRATION" panel.



Figure 14 : Get the added sensors

4.3. Adding sensors (existing Gateway)

Step 1 : In the "ADMINISTRATION" panel, open the "GATEWAYS" tab and access the modification of your Gateway via the designated icon (pencil icon).

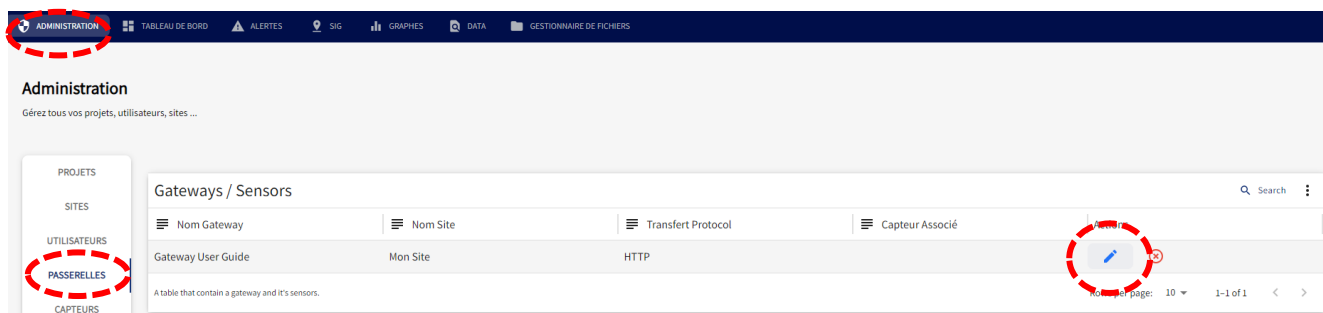


Figure 15 : Modification of a Gateway

Step 2 : The characteristics of your Gateway appear. Do not modify them and proceed to the next step.



Figure 16 : Gateway Page

Step 3 : From this step, follow **steps 3, 4, 5, and 6 of section 5.2.**

5. HOW TO ADD A GRAPH ?

- ⚠ Requirements :**
- You must have « Admin » status.
 - You must have the sensor added AND already transmitting data.

Step 1 : In the panel list, click on « GRAPHS », then « ADD NEW GRAPHS ».

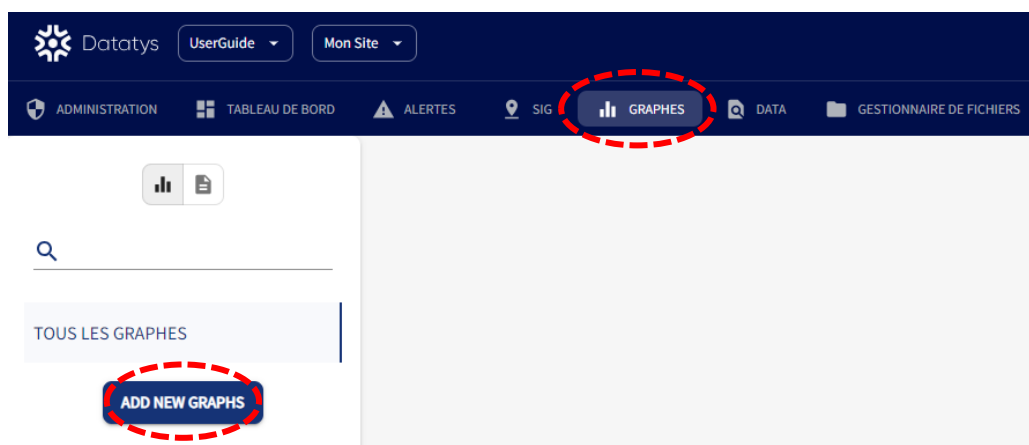


Figure 17 : GRAPHS panel

Step 2 : Fill in general information for your graph.



The screenshot shows the 'Editeur du graphe' (Graph Editor) interface. At the top, there is a header with the text 'Editeur du graphe' and 'Ici vous pouvez créer ou modifier vos graphes'. Below this is a navigation bar with tabs: General (4), Axis, Advanced, and Annotations. The 'General' tab is active. The 'Informations générales' (General Information) section contains the following fields:

- 'Choisir le titre' (1): A text input field for the graph title.
- 'Sites*' (2): A dropdown menu for selecting the site.
- 'Type du Graphe' (3): A dropdown menu for selecting the graph type, currently set to 'Timeseries'.

At the bottom right of the form is a blue button labeled 'ENREGISTRER LE GRAPHE'.

- (1) : Set the **Title** of your graph. We recommend leaving a part of the name of the sensor linked to this graph.
- (2) : Set the **Site** the graph will be linked to. By default, set « All the sites ».
- (3) : Set **Type of Graph** « Timeseries ».
- (4) : Go next step (« Axis »).

Figure 18 : Editing Graph - General

Step 3 : Set up axes.

Editeur du graphe
Ici vous pouvez créer ou modifier vos graphes

General Axis Advanced Annotations

X-axis configuration

choose xAxis title (1)

Range:

Choisir MinX Choisir MaxX filter (2) Date Filter selectFilter Deux semaines Latest (3)

Y-axis configuration Select at least one axis ADD NEW YAXIS

yAxis title	Metric	Range Type	minY	maxY	Action
(4)					

No Power

- (1) : Set the **Title** of the X-axis.
- (2) : Set the **Range** for visualization : « Date » (to force temporal window) ; « Filter » (to display last data coming).
- (3) : Add a **Y Axis**. This axis apparait dans la zone (4).

Editeur du graphe
Ici vous pouvez créer ou modifier vos graphes

General Axis Variables Advanced Annotations (9)

X-axis configuration

choose xAxis title Temps

Range:

Choisir MinX Choisir MaxX filter Date Filter selectFilter Six heures Latest

Y-axis configuration ADD NEW YAXIS

yAxis title	Metric	Range Type	minY	maxY	Action
Température [°C] (5)	temperature (°C) (6)	range autoscale (7)	0 (7a)	30 (7b)	⊗

Rows per page: 10 1-1 of 1

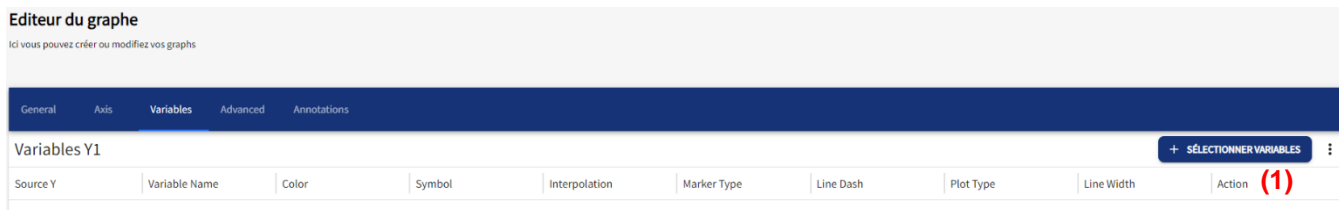
Six heures

Température - Capteur 1234 (8)

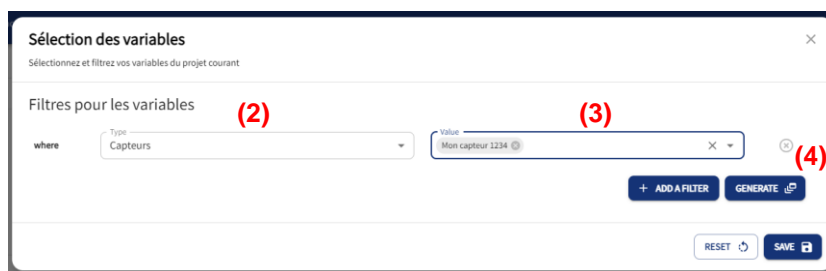
- (5) : Set the **Title** of your Y axis (here for example, the temperature).
- (6) : Set the **Metric** of your axis (here « °C »).
- (7) : Set the **Range Type** : « range » (you choose min and max) ; « autoscale » (Datatys will adjust).
- (8) : Pre-visualization.
- (9) : Go next step (« Variables »).

Figure 19 : Editing Graph, Axis

Step 4 : Add a variable.



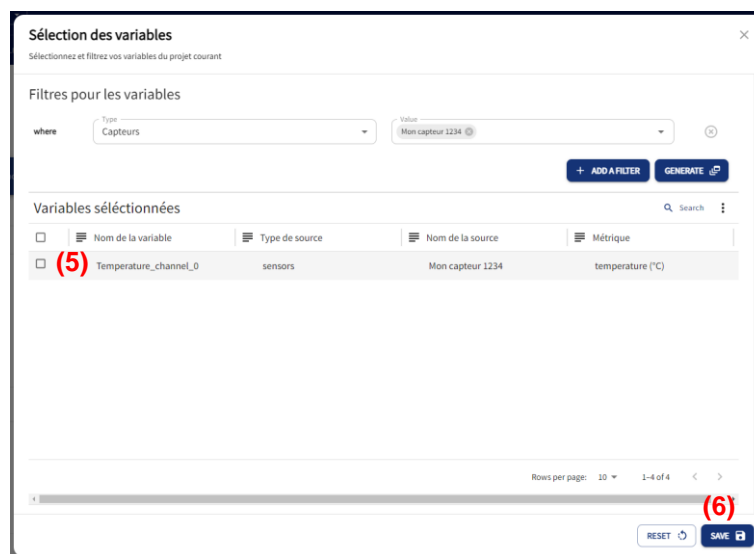
(1) : Select a **Variable**.



(2) : In the **Type** filter, choose « Sensors ».

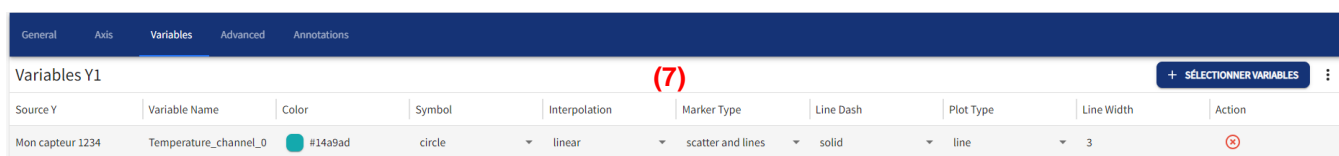
(3) : In the **Value** filter, choose your sensor (in this example, « My sensor 1234 »).

(4) : Click on **Generate**.



(5) : Select the **variable** of your choice (only variables linked to the **Metric** previously chosen appears).

(6) : Click on **SAVE**.



(7) : Your **variable** is added. Some personalization are possible (Color, Interpolation, etc.)

Figure 20 :Graph Editing, Variables

Step 5 [Optional] : Customization

Editeur du graphe

Ici vous pouvez créer ou modifier vos graphs

General Axis Variables **Advanced** Annotations

Information avancée

RotationX (1) RotationY (2)

Grille d'affichage (3)

- (1) : Adjust inclination of the X axis title.
- (2) : Adjust inclination of the Y axis title.
- (3) : Show or hide the grid.

Figure 21 : Customization

Step 6 [Optional] : Annotations

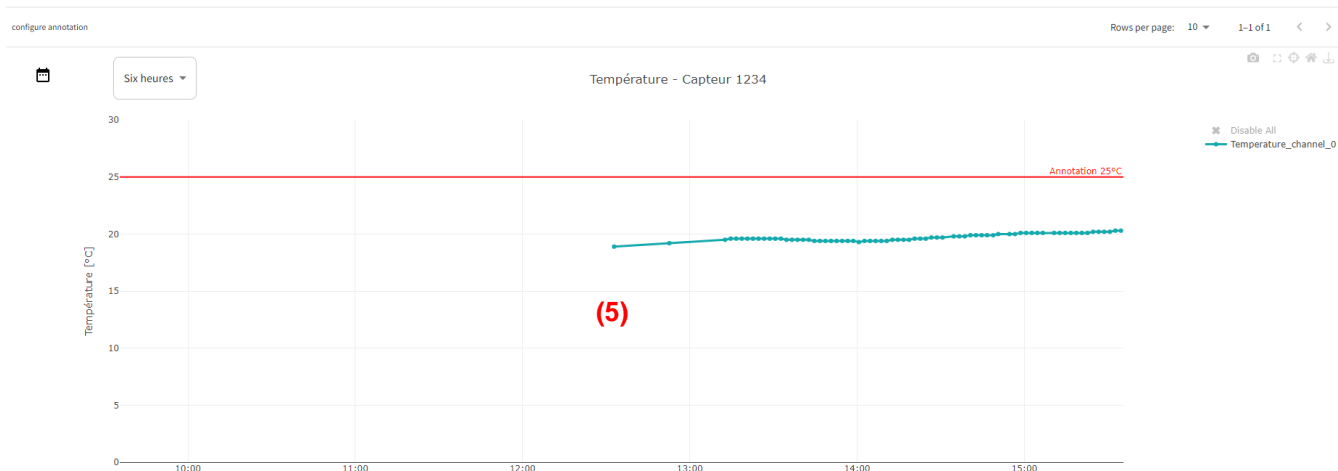
Editeur du graphe

Ici vous pouvez créer ou modifier vos graphs

General Axis Variables Advanced **Annotations**

(1) ADD NEW ANNOTATION

Type	Orientation	Style	Limit 1	Limit 2	Text	Colour	Action
line (2)	Horizontal (2)	solid (2)	25 (3)		Annotation 25°C (4)	#ff0e0e	



- (1) : Click on « ADD NEW ANNOTATION ».
- (2) : Choose how to add your annotation (« line », « band », « point »), color, style, etc..
- (3) : Set a value (in this example, 25).
- (4) : Set a caption.
- (5) : Preview.

Figure 22 : Editeur de graphe, Annotations

Step 7 : Save the graph.

(1) **ENREGISTRER LE GRAPHE**

- (1) : At the bottom of the window, click on « SAVE THE GRAPH ».

Figure 23 : Graph Editing, Save

6. HOW TO ADD AN OFFSET TO A VARIABLE ?

⚠ Requirement : - You must have the « Admin » status.

i Information : - Adding an offset D to the variable A does not modify A , but create a new variable C such that $C=A+D$

Step 1 : Click on « Add Offset » in the upper right menu.

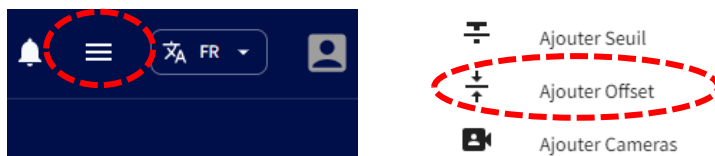


Figure 24 : "Add Offset" menu

Step 2 : Set up the offset.

Ajouter un offset
Renseignez toutes les informations de traitements concernant une correction d'offset

Offset à ajuster

Variables offsets (1) + SÉLECTIONNER VARIABLES

(1) : Select a **Variable**.

Sélection des variables
Sélectionnez et filtrez vos variables du projet courant

Filtres pour les variables

where Type: Capteurs (2) Value: Mon capteur 1234 (3) (4)

+ ADD A FILTER GENERATE

Variables sélectionnées

<input checked="" type="checkbox"/>	Nom de la variable	Type de source	Nom de la source	Métrique
<input type="checkbox"/>	SNR	sensors	Mon capteur 1234	niveau bruit (dB)
<input type="checkbox"/>	RSSI	sensors	Mon capteur 1234	puissance (dBm)
<input checked="" type="checkbox"/> (5)	Temperature_channel_0	sensors	Mon capteur 1234	temperature (°C)
<input type="checkbox"/>	Distance_channel_1	sensors	Mon capteur 1234	deplacement (mm)

Rows per page: 10 1-4 of 4 (6)

RESET SAVE

- (2) : In the **Type** filter, choose « Sensor ».
- (3) : In the **Value** filter, choose your sensor
- (4) : Click on **Generate**.
- (5) : Select the **variable** of your choice
- (6) : Click on **SAVE**.

Figure 25 : Adding offset, part 1

Variables offsets + SÉLECTIONNER VARIABLES

#	Nom de variable	Nom d'alias (7)	Valeur de l'offset (8)	Date début offset (9)	Graph Ajout / Remplacement	Marker Ajout / Remplacement	Commentaire
00	Temperature_channel_0	Temperature_channel_0_OFFSET	-10	19/10/2023 12:00 AM	None	None	Commentaire

Rows per page: 5 1-1 of 1 **(10)**

(7) : Give a name to your offset. It will be created as a new variable.

(8) : Set a value for the offset.

(9) : Specify when you want to apply this offset.

(10) : Click on **SAVE**.

Figure 26 : Adding offset, part 2

Step 3 [Optional] : Display your variable with the offset

For doing this, repeat **Part 6** choosing the name of your offset (here, « Temperature_channel_OFFSET ») as the variable.

7. HOW TO ADD AND ORGANIZE A DASHBOARD ?

⚠ Requirement : - You must have « Admin » status.

i Information : - The dashboards allow great freedom in the display of widgets and other graphics. This section will show you how to create a dashboard with 1 graph and 1 image.

Step 1 : Initiate your dashboard. In the "DASHBOARD" panel, select "CREATE DASHBOARD".

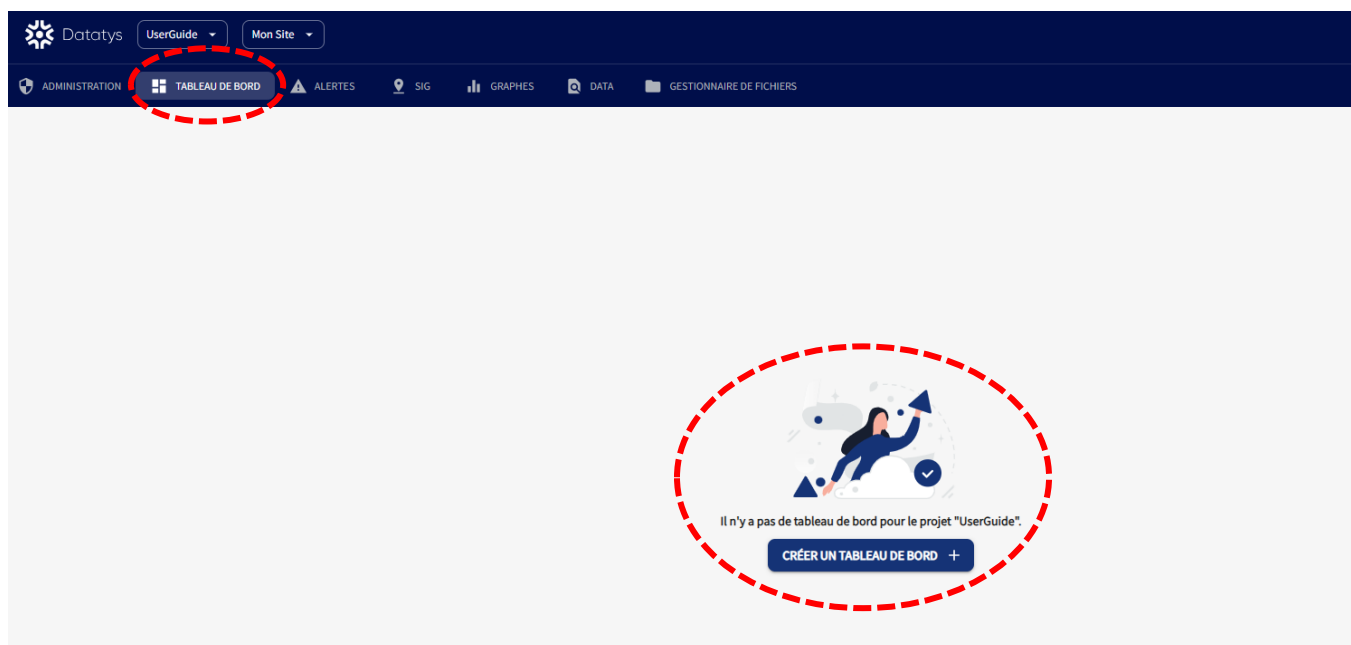
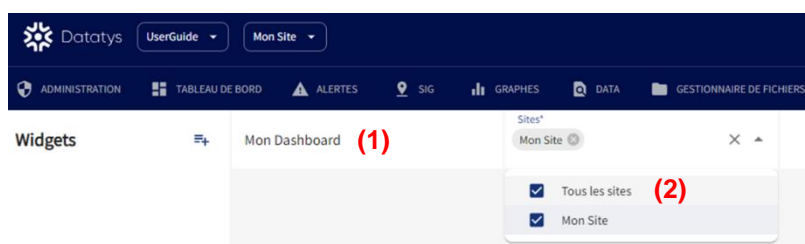


Figure 27 : Create a dashboard

Step 2 : Name your dashboard and adjust the linked sites. In the following example, the dashboard is linked to all sites.



(1) : Name your dashboard.

(2) : Associate the sites of your choice. By default, choose "All sites".

Figure 28 : Name a dashboard

Step 3 : Creating widgets. Widgets are the building blocks of the dashboard. Select the add widget icon, then click on "CREATE NEW WIDGET".

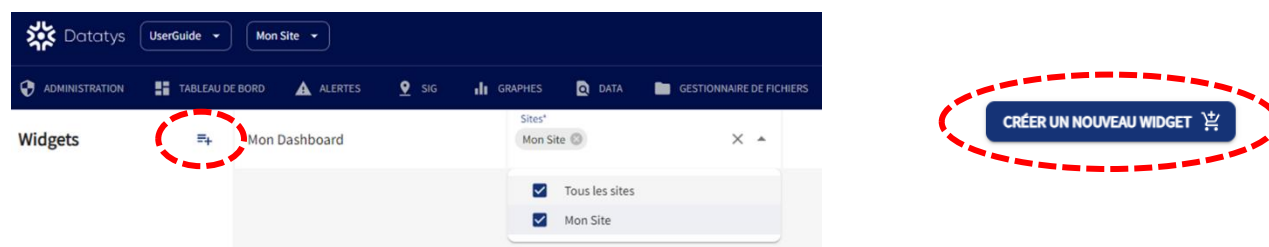
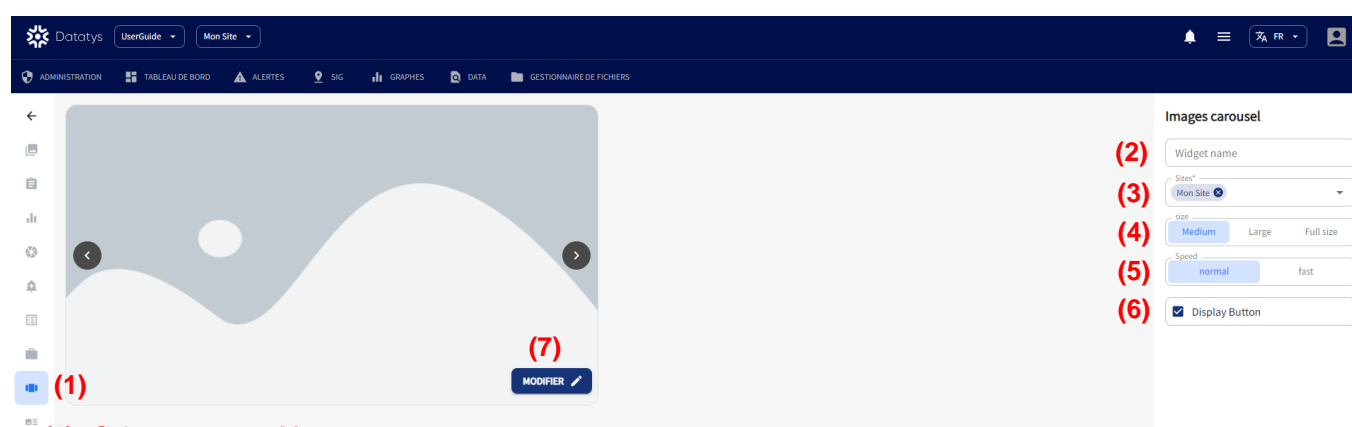
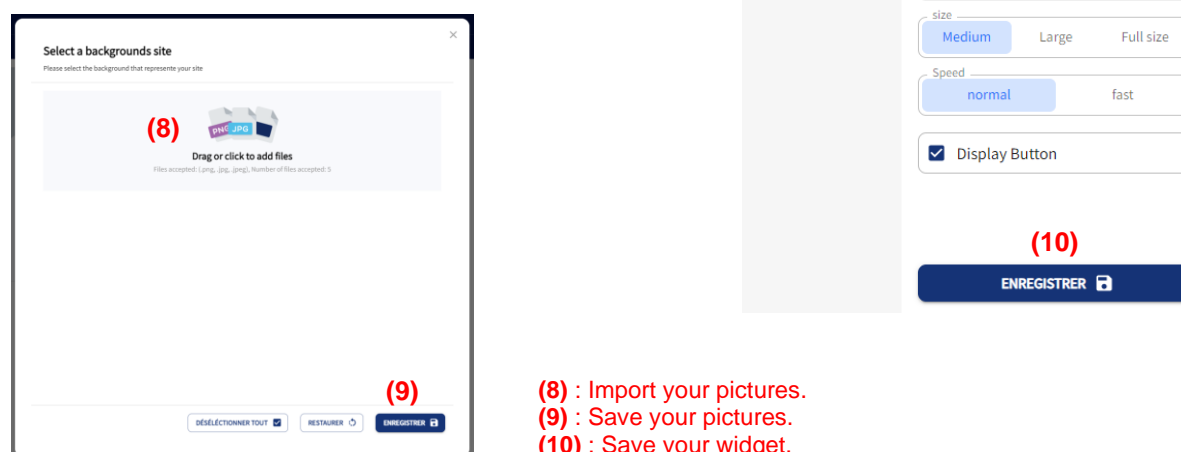


Figure 29 : Create a widget

Step 3.a. : Create a widget « carousel images ».



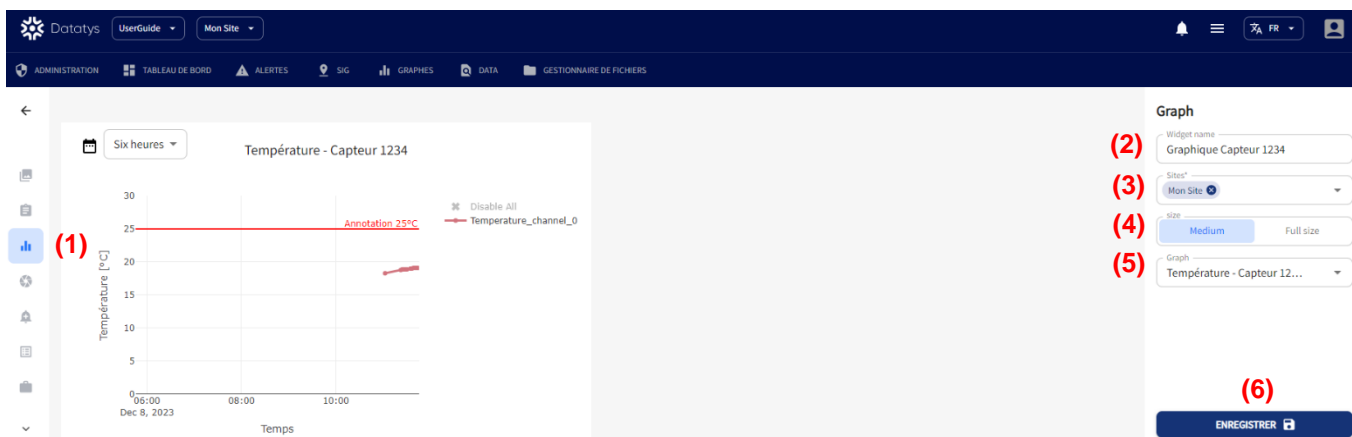
- (1) : Select « **carousel Images** »
- (2) : Give your widget a name. This will help you identify it when you've created several.
- (3) : Specify the site to which this widget is attached. By default, leave « **All sites** ».
- (4) : Choose the size of your widget.
- (5) : If you assign several images to your carousel, you can adjust the scrolling speed.
- (6) : If you assign several images to your carousel, you can leave the scroll buttons visible.
- (7) : Click on « **MODIFY** » to add images.



- (8) : Import your pictures.
- (9) : Save your pictures.
- (10) : Save your widget.

Figure 30 : Add a widget "carousel"

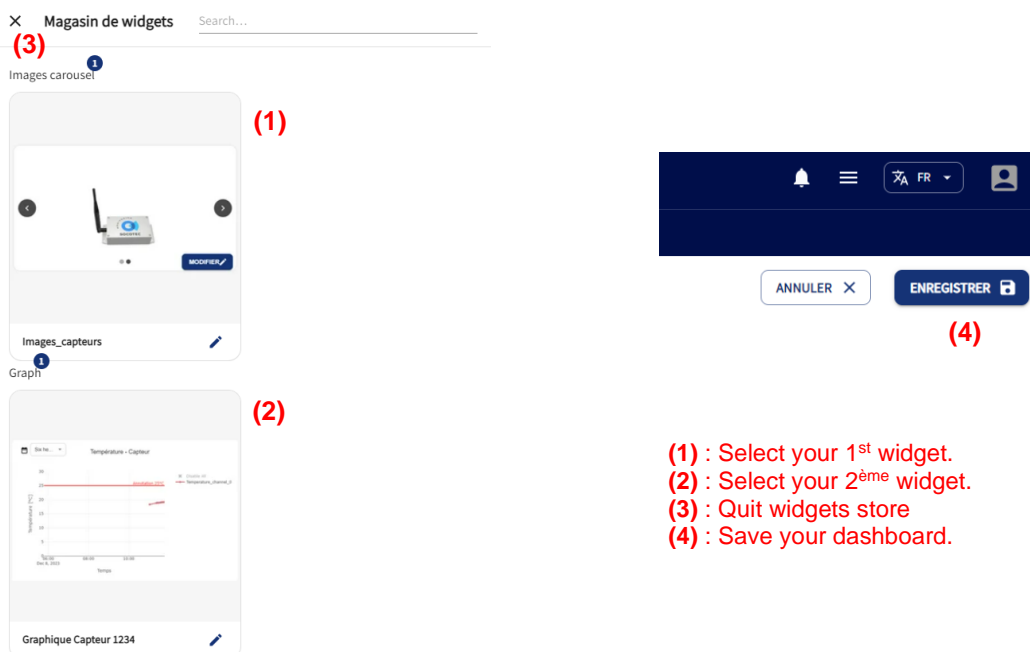
Step 3.b. : Create a « graph » widget.



- (1) : Select « **Graph** » panel
- (2) : Give your widget a name. This will help you identify it when you've created several.
- (3) : Specify the site to which this widget is attached. By default, leave « **All sites** ».
- (4) : Choose the size of your widget.
- (5) : Assign the graphic of your choice to this widget. Here, « **Température - Capteur 1234** ».
- (6) : Save your widget.

Figure 31 : Add a "Graph" widget

Step 4 : Add your widgets to your dashboard and save it.



- (1) : Select your 1st widget.
- (2) : Select your 2^{ème} widget.
- (3) : Quit widgets store
- (4) : Save your dashboard.

Figure 32 : Linking widgets to a dashboard

8. HOW TO CHECK IF MY SENSOR IS TRANSMITTING DATA ?

⚠ Requirement : - You must have a sensor already added

i Information : - There are two ways to check that your sensor is transmitting data correctly.

Step 1 : In the "ADMINISTRATION" panel, "SENSORS" section, click on the "pencil" icon.

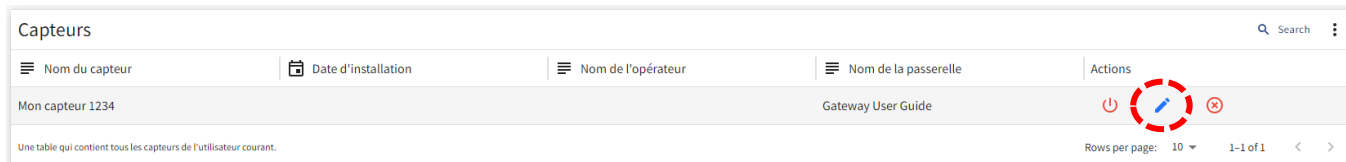


Figure 33 : Modify a sensor

If any variables are present (these are the ones the sensor has transmitted), then this means the sensor has transmitted data at least once. However, there is no associated temporality. It's impossible to know whether the sensor transmitted 10 minutes or 5 days ago.

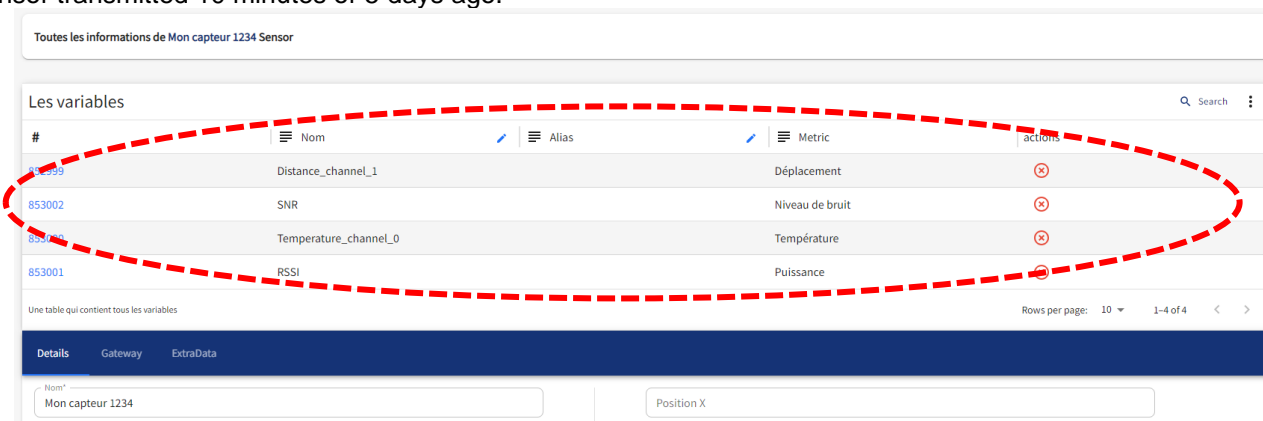


Figure 34 : Variables of a sensor

Step 2 : If variables are present, plot a graph for one of them. You can then follow the arrival of the latest data. To plot a graph, see section 6.

9. HOW TO CHANGE FREQUENCY OF MY SENSOR ?

- ⚠ Requirement :** - You must have "Admin" status.
 - You must have added a sensor AND the sensor has already transmitted data.

i Information : - By default, sensors transmit every 20 min.

Step 1 : In the "ADMINISTRATION" panel, "SENSORS" section, click on the "pencil" icon.

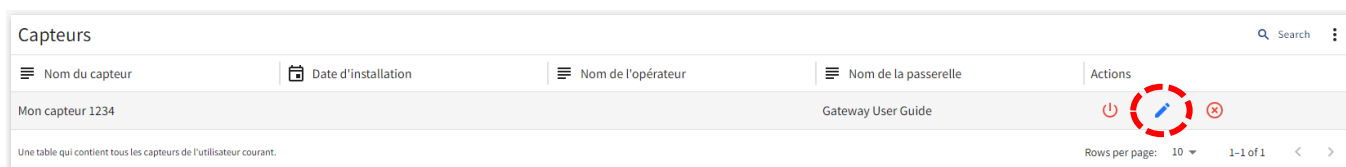


Figure 35 : Modify a sensor

Step 2 : Change the transmission period. In the "Details" tab, enter the desired issue period in minutes, then click on "UPDATE". A message will confirm that your order has been put on hold.

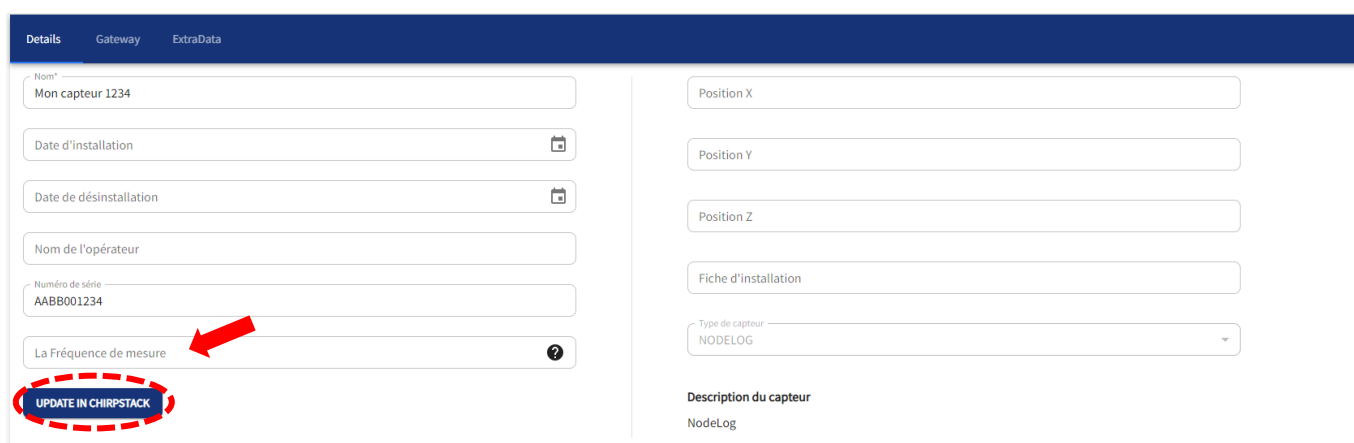


Figure 36 : Change transmission period of the sensor

Important notes:

- When you click on "UPDATE", the command indicating a frequency change is not sent directly to the sensor. In fact, your command will be sent the next time the sensor transmits (this behavior is intrinsic to the LoRaWAN protocol used).
- **WARNING:** if you ask the sensor to switch to a very high period (e.g. 24h), this means that if you wish to change the period again, you must wait until the next emission arrives... i.e. 24h in our example.

10. HOW TO ADD A USER TO MY PROJECT ?

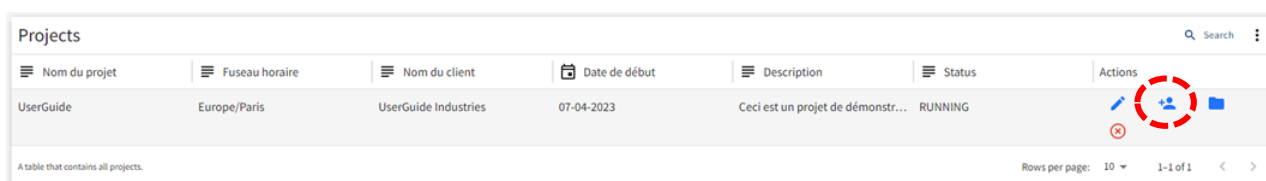
⚠ Requirement: - You must have "Admin" status.

i Information : There are two ways to add a user to a project:

- The person already has a Datatys account
- The person does not have a Datatys account

→ **Option n°1 :** The person you wish to add to the project already has a Datatys account.

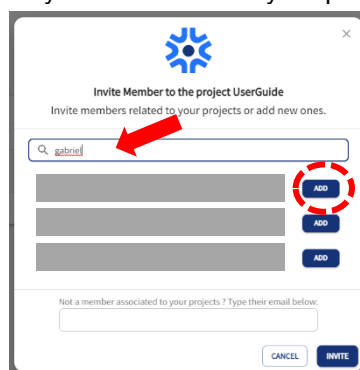
Step 1 : In the "ADMINISTRATION" panel, "PROJECT" section, click on the "add user" icon.



Nom du projet	Fuseau horaire	Nom du client	Date de début	Description	Status	Actions
UserGuide	Europe/Paris	UserGuide Industries	07-04-2023	Ceci est un projet de démonstr...	RUNNING	[add user icon]

Figure 37 : Add a user to the project

Step 2 : Search for the name of the person you wish to add to your project, then click on "ADD".



→ **Option n°2 :** The person you wish to add does not have a Datatys account

Step 1 : Click on "Add Users" in the menu.

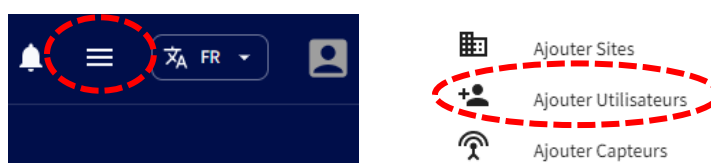
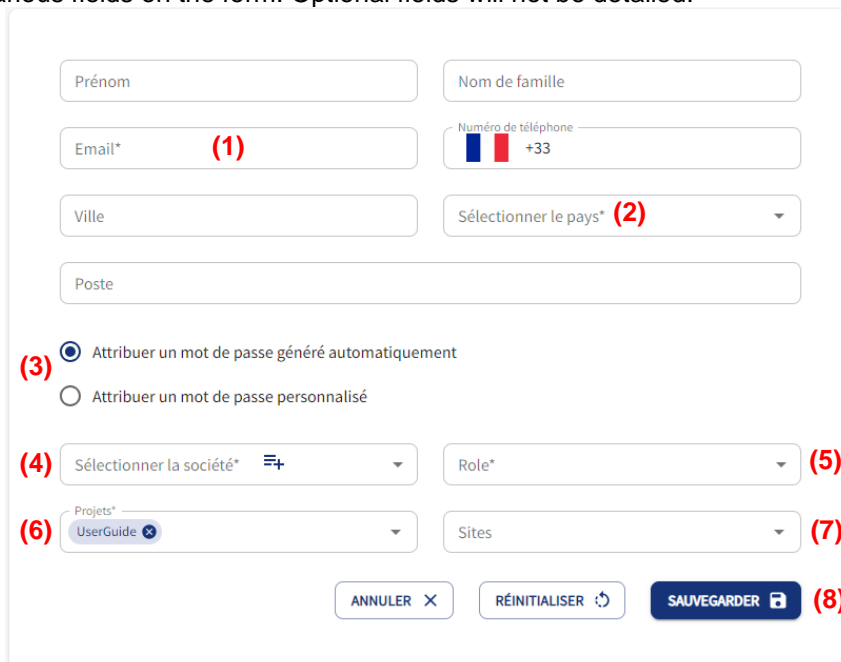


Figure 38 : Add a user

Step 2 : Fill in the various fields on the form. Optional fields will not be detailed.



The form contains the following fields and controls:

- Prénom (First name)
- Nom de famille (Last name)
- Email* (1)
- Numéro de téléphone (Phone number) with a dropdown for country code (France, +33)
- Ville (City)
- Sélectionner le pays* (2) (Select country)
- Poste (Job title)
- (3) Attribuer un mot de passe généré automatiquement (Assign an automatically generated password)
- Attribuer un mot de passe personnalisé (Assign a personalized password)
- (4) Sélectionner la société* (5) (Select company)
- Role* (6)
- (6) Projets* (7) (Projects)
- UserGuide (dropdown)
- Sites (7) (Sites)
- Buttons: ANNULER X, RÉINITIALISER ↺, SAUVEGARDER (8)

(1) : Enter the email address of the user to be added.

(2) : Select country.

(3) : Password assignment: use automatic password assignment. An e-mail will be sent directly to the e-mail address entered.

(4) : Select the user's company. If it doesn't exist, add it. In the add company menu, the mandatory information is sufficient.

(5) : Specify the role the account will have:

Administrator : Full access to all your projects.

Moderator : Can view everything in the project, create graphs and download data.

It is not possible to modify or delete elements..

User : Can view and download data from sites to which it has access.

Cannot add, modify, edit or delete.

(6) : Specify the projects to which the new user will have access.

(7) : Specify the sites to which the new user will have access.

(8) : Save the user (this triggers the e-mail).

Figure 39 : Form to add a user

11. HOW TO EXPORT DATA ?

⚠ Requirement : - You must have added a sensor AND the sensor has already transmitted data.

Step 1 : In the "DATA" panel, fill in the "variables", "MinDate" and "MaxDate" fields, then click on "DISPLAY".

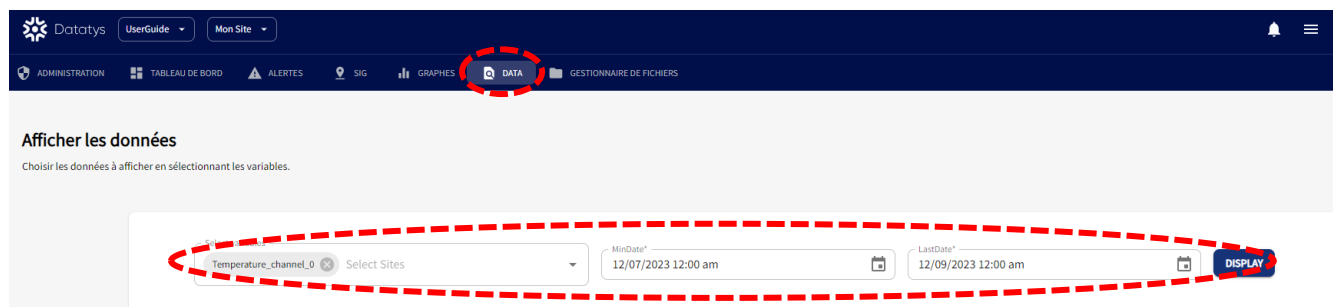


Figure 40 : "DATA" panel

Step 2 : Click on "Export Data" and download your data in CSV format.

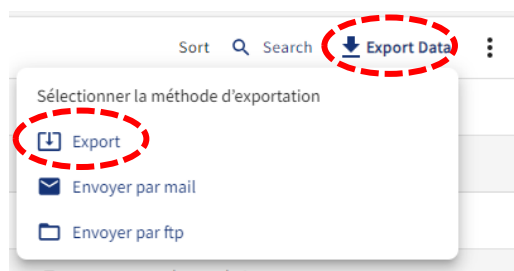


Figure 41 : Export CSV data

12. HOW TO SET UP AN ALERT ?

- ⚠ Requirement :** - You must have "Admin" status.
 - You must have added a sensor **AND** the sensor has already transmitted data.


- i Information :** In this example, we will add two thresholds to a temperature curve:
- HIGH threshold at 23°C
 - LOW threshold at 18°C

Step 1 : Click on "Add Contact" in the menu.



Figure 42 : Ajouter un contact

Step 2 : Add an alert contact to an alert group. This contact will be contacted by email when an alert (to which his/her alert group is attached) is triggered.



- (1) : Enter the details of the contact to be added (phone number is optional).
 (2) : Associate the contact with an alert group and proceed to step (4). If not, go to step 3 to create a contact group.
 (3) : Click on « Add a group ».
 (3a) : Name the group.
 (3b) : Select the group type. The default is "Customer".
 (3c) : Save the group.
 (4) : Save the contact.

Figure 43 : Adding an alert contact

Step 3 : Add alert thresholds and link them with the alert group.

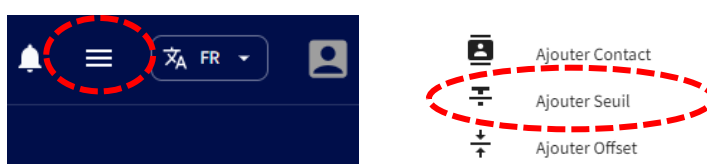
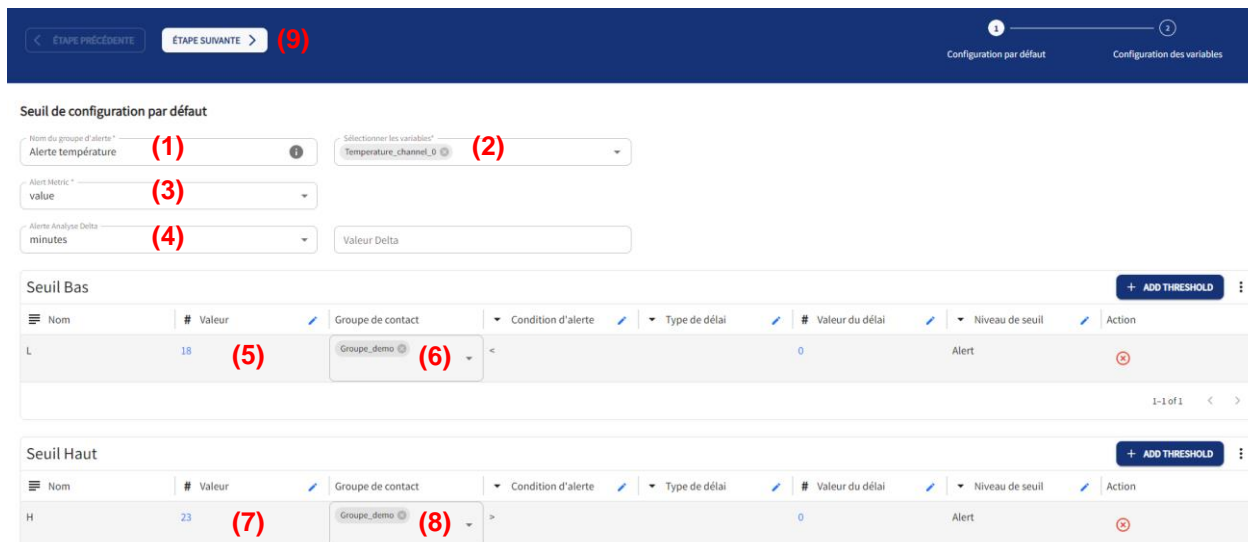


Figure 44 : Add a threshold

Step 4 : Set your thresholds (reminder: here, low threshold at 18°C and high threshold at 23°C).



Seuil de configuration par défaut

Nom du groupe d'alerte: **(1)** Alerte température
 Sélectionner les variables: **(2)** Temperature_channel_0
 Alert Metric: **(3)** value
 Alerte Analyse Delta: **(4)** minutes

Seuil Bas

Nom	# Valeur	Groupe de contact	Condition d'alerte	Type de délai	# Valeur du délai	Niveau de seuil	Action
L	(5) 18	(6) Groupe_demo	<		0	Alert	

Seuil Haut

Nom	# Valeur	Groupe de contact	Condition d'alerte	Type de délai	# Valeur du délai	Niveau de seuil	Action
H	(7) 23	(8) Groupe_demo	>		0	Alert	

- (1)** : Name your alert group.
- (2)** : Select the variable subject to the threshold.
- (3)** : Select the Metric for your alert. The default is "value".
- (4)** : Specify the analysis delta. The default is "minutes".
- (5)** : In the Name column, "L" stands for LOW. Enter the threshold value. In our example: 18°C.
- (6)** : Associate the contact group that will receive the e-mail.
- (7)** : In the Name column, "H" stands for HIGH. Enter the threshold value. In our example: 23°C.
- (8)** : Associate the contact group that will receive the e-mail.
- (9)** : Move on to the next step.
A summary is then displayed. Finish by clicking on "SAVE".

Figure 45 : Adjusting threshold

Important note :

Once a threshold has been added, it **does not create an annotation** on the graph of the variable concerned. If you wish to visualize your threshold on a graph, please refer to step 6 in section 6 to manually add an annotation.

Example of e-mail: Based on the parameters previously set, here's the type of e-mail sent to the various contacts in the alert group.



NEW ALARM ON DATATYS !

You are receiving this email because you are subscribed on alarms
 UserGuide -- Alert -- Mon capteur 1234 -- Temperature_channel_0








			
TYPE	SOURCE	VARIABLE	METRIC
Alert	Mon capteur 1234	Temperature_channel_0	temperature (°C)
			
DATE	LIMIT	VALUE	
2023-12-11 10:35:53	18	17.8	

Figure 46 : Example of an e-mail alert