



MANUAL INTEGRATOR

Version 1.52.7



The intelligent building manager

WEOZ™

YOUR SOLUTION FOR EFFICIENT SPACES



#legrandImprovingLives

 **legrand®**

SUMMARY

PRESENTATION OF THE ECOSYSTEM	2
PRESENTATION OF ORGANISATIONS AND ROLES	2
CREATING AN ORGANISATION	3
USER RIGHTS MATRIX	4
1. MANAGEMENT OF THE INTEGRATIVE SPACE	14
1.1 CREATION OF AN INTEGRATOR/INSTALLER ACCOUNT	14
1.2 CONNECTION TO THE BUILDING MANAGER PORTAL	15
1.3 CREATION OF AN ORGANISATION	15
1.4 ACCOUNT MANAGEMENT	17
2. CREATION AND MANAGEMENT OF SITES	18
2.1 CREATION OF A SITE	18
2.2 HIERARCHICAL STRUCTURE OF THE BUILDING	19
2.3 SITE PRODUCT DECLARATION	20
2.3.1 DECLARE AN AREA MANAGER	20
2.3.2 DECLARE A PRODUCT	22
2.3.3 STATUS TRACKING RULE	25
2.4 MODIFICATION AND DELETION OF PRODUCTS	26
2.5 DASHBOARD MANAGEMENT	28
3. AREA MANAGER MANAGEMENT	30
3.1 REGISTRATION OF AREA MANAGER	30
3.2 ASSIGNMENT/DISAFFECTION AT THE SITE	31
4. AREA MANAGER	32
4.1 ESTABLISHMENT OF THE AREA MANAGER	32
4.2 GENERAL OF AREA MANAGER	36
4.3 INCLUSION/EXCLUSION OF PRODUCTS	38
4.4 SETTING UP THE AREA MANAGER FROM THE WEB APP	39
4.5 SYNCHRONIZATION OF AN AREA MANAGER ON THE PORTAL	44
5. RULES MANAGEMENT	45
5.1 CREATING A RULE MODEL	45
5.1.1 THE STRUCTURE IN GENERAL	47
5.1.2 DEFINE THE TYPE OF OPELANDER	48
5.1.3 DEFINE OPERATOR	50
5.1.4 COMMAND TRIGGER	52
5.2 REPORT MODELS	56
5.3 ASSIGNMENT AND MANAGEMENT OF RULES ON THE SITE	57
5.4 ASSIGNMENT OF MASS RULES	59
5.5 RULES PLANNER	60

6. SUBSCRIPTION	64
6.1 PRODUCTS	64
6.2 LOCATIONS	66
7. USE OF SITE DATA	67
7.1 VERIFICATION OF AREA MANAGER	67
7.2 PRODUCT CONTROL AND DATA	68
7.2.1 DEVICE MEASUREMENTS EXPORT	68
7.2.2 PRODUCT DATA	69
7.3 BUILDING INFORMATION	71
7.3.1 PLACE DATA	71
7.3.2 DETAILS OF THE LOCATIONS	73
7.4 STATISTICS	73
8. SITE CONFIGURATION AND USER ACCESS	76
8.1 CHANGES OF THE SITE	76
8.2 CREATION USER ACCESS	76
8.3 DELETING USER ACCESS	77
8.4 SITE DELETION	78
8.5 DIAGNOSTICS	79
8.5.1 TABLE OF NEIGHBOURS	80
8.5.2 DEVICE MAP	81
9. CREATION AND GROUP MANAGEMENT	82
9.1 GROUPED CREATION	82
9.1.1 AREA MANAGER	83
9.1.2 PRODUCTS	84
9.1.2.1 PRODUCTS LINK	86
9.1.3 LOCATIONS	88
9.1.4 RULES	89
9.2 GROUPED EDITION	91
9.3 GROUPED DELETION	92
9.4 GROUP COMMAND	93
GLOSSARY	94

PRESENTATION OF THE ECOSYSTEM

PRESENTATION OF THE ECOSYSTEM

PRESENTATION OF ORGANISATIONS AND ROLES

Organisations are groups of sites, users and automation rules.

An Organisation is defined by an Organisation name, a country, a contact and administrative information.

As an integrator of the WEOZ solution, you can manage several Organisations with different roles within them:

THE POSSIBLE ROLES WITHIN ORGANISATIONS ARE :

1. **Owner** : Total control over the Organisation and all sites.
2. **Administrator** : Manages the day-to-day operations of the Organisation.
3. **Billing Manager** : Management of billing and payment parameters.
4. **User** : Read-only permissions on Organisation, but can have elevated permissions on some sites.

THERE ARE ALSO ROLES WITHIN THE SITES CREATED IN THE ORGANISATIONS WHICH ARE :

1. **Administrator** : Full control over a site.
2. **Manager** : Manages the day-to-day operations of a site.
3. **User** : View data and initiate actions.
4. **Viewer** : Simple consultation of site data.

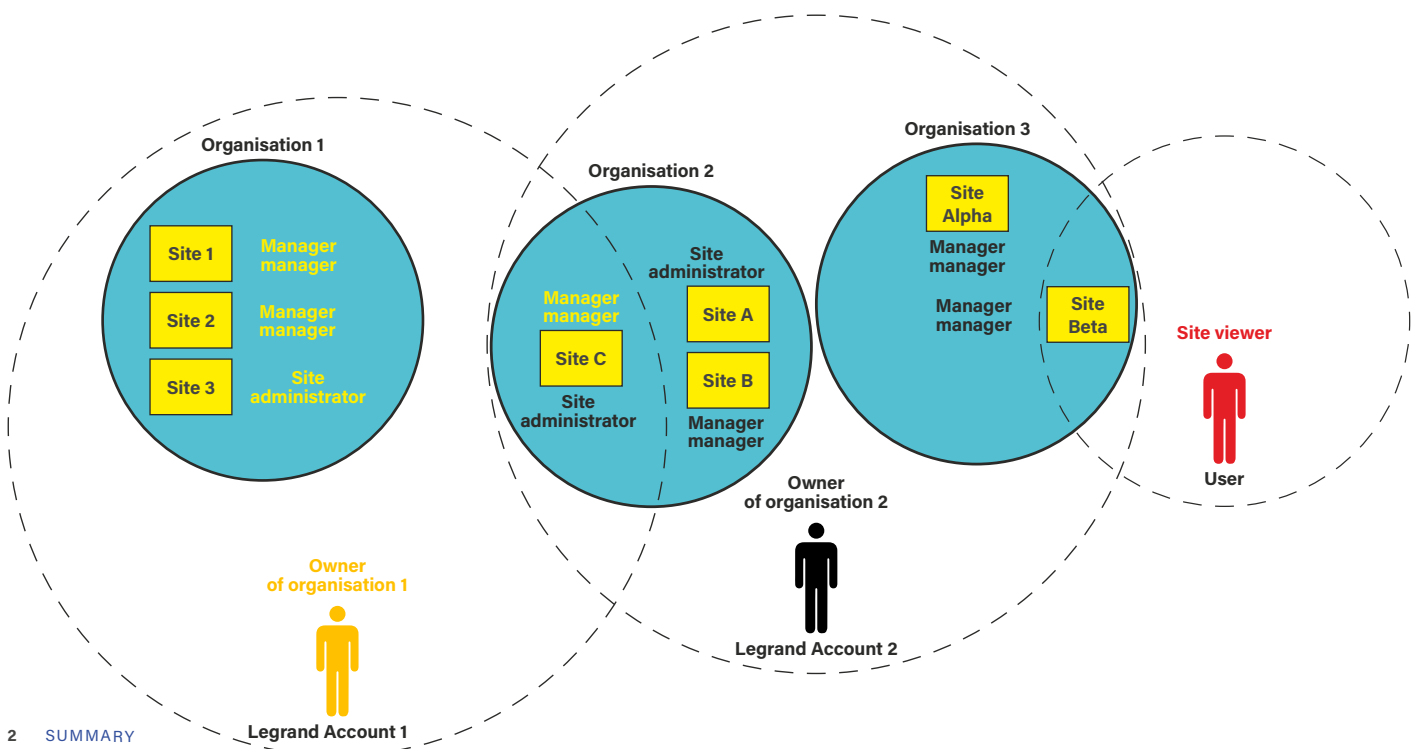
Roles are assigned when a user is invited to an Organisation or a site.

It is possible to combine a role in an Organisation and a role in a site:

Example: Owner of Organisation X and Administrator of a site belonging to Organisation Y.

It is also possible to belong to several Organisations and hold different roles in each one.

The permissions linked to each role are described in the rights matrix within this chapter.

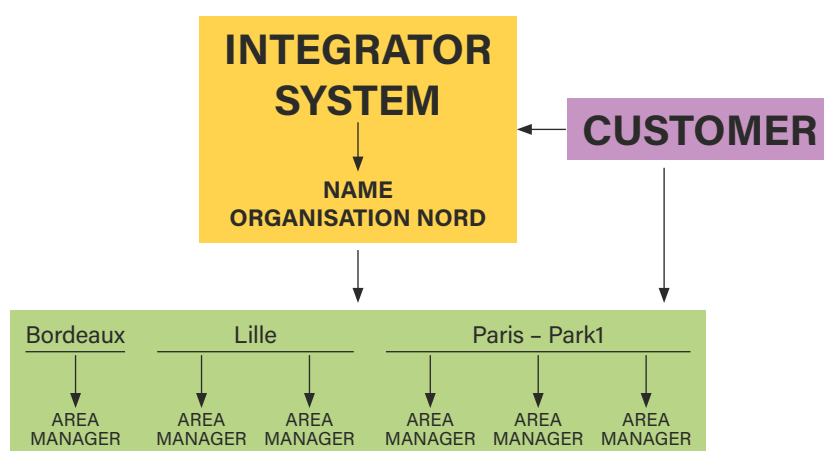


CREATING AN ORGANISATION

THERE ARE TWO WAYS OF CARRYING OUT A PROJECT ON BEHALF OF YOUR CUSTOMER:

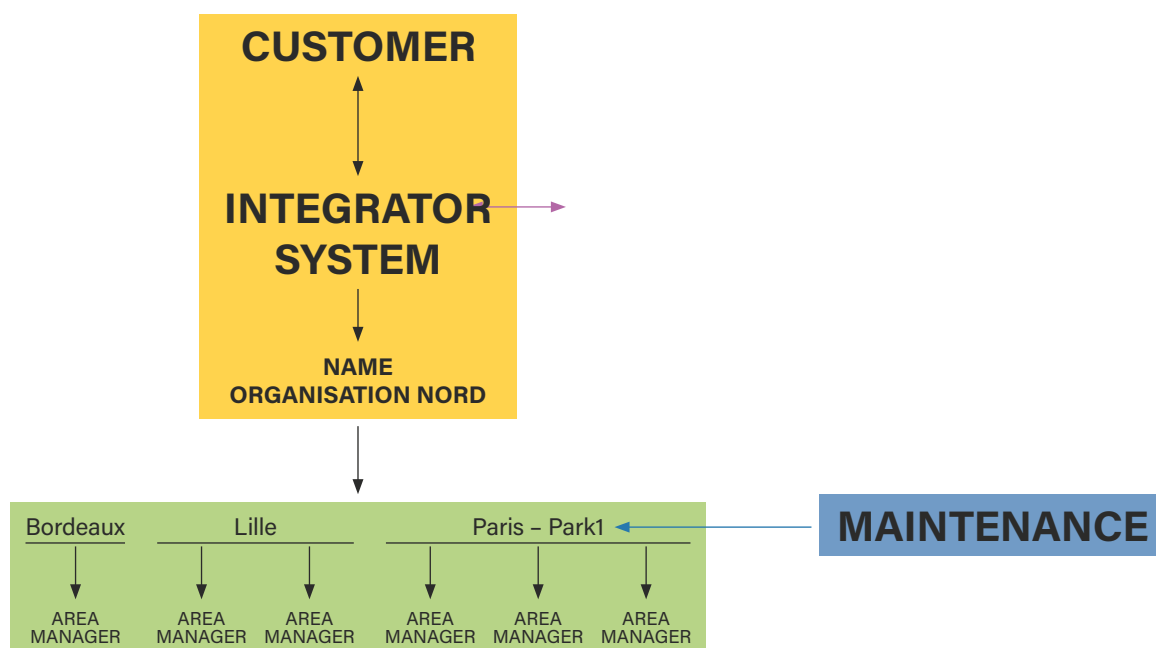
CASE 1 - You want to keep your customer's project in your organisation and be invoiced for the licences

- 1 Create your Organisation and fill in your company details
- 2 Create your Customer site(s)
- 3 You can invite your Customer to your Organisation or invite them to be a Site Administrator



CASE 2 - Your customer wants you to set up their organisation and they want to be invoiced for the licences

- 1 Create your Customer's Organisation and fill in your customer's details
- 2 Create your Customer's site(s)
- 3 You can decide to stay or leave your Customer's Organisation
- 4 Your Customer can invite a Maintainer to be a Site Administrator



PRESENTATION OF THE ECOSYSTEM

USER RIGHTS MATRIX

Resource / Capacity	Owner of the organisation	Organisation Administrator	Organisation Billing Manager	Organisation User
Organisation				
Create	Anyone can create their own organisation			
Read	✓	✓	✓	✓
Modify/Edit	✓	✓	✗	✗
Delete	✓	✗	✗	✗
Member of the organisation				
Invite	✓	✓	✗	✗
Read	✓	✓	✓	✓
Update	✓	✓	✗	✗
Remove	✓	✓	✗	✗
Change role	✓	✓	✗	✗
Area Manager				
Read	✓	✓	✓	✓
Register	✓	✓	✗	✗
Unsubscribe	✓	✓	✗	✗
Synchronize	✓	✓	✗	✗
Synchronize en masse	✓	✓	✗	✗
Link to site	✓	✓	✗	✗
Factory reset	✓	✓	✗	✗
Area Manager identity details				
Read	✓	✓	✗	✗

	Administrator of the site	Manager site	User of the site	Viewer of the site
	Anyone can create their own organisation			
	✓	✓	✓	✓
	✗	✗	✗	✗
	✗	✗	✗	✗
	✓	✓	✗	✗
	✓	✓	✗	✗
	✗	✗	✗	✗
	✓	✗	✗	✗
	✓	✗	✗	✗

PRESENTATION OF THE ECOSYSTEM

USER RIGHTS MATRIX (CONTINUED)

Resource / Capacity	Owner of the organisation	Organisation Administrator	Organisation Billing Manager	Organisation User
Site				
Create	✓	✓	✗	✗
Read	✓	✓	✗	✗
Update	✓	✓	✗	✗
Delete	✓	✓	✗	✗
Managing site users				
Invite	✓	✓	✗	✗
Read	✓	✓	✗	✗
Update	✓	✓	✗	✗
Remove	✓	✓	✗	✗
Change role	✓	✓	✗	✗
Managing site roles				
Create	✓	✓	✗	✗
Read	✓	✓	✗	✗
Update	✓	✓	✗	✗
Delete	✓	✓	✗	✗

	Administrator of the site	Manager site	User of the site	Viewer of the site
	X	X	X	X
	✓	✓	✓	✓
	✓	✓	X	X
	X	X	X	X
	✓	✓	X	X
	✓	✓	✓	✓
	✓	✓	X	X
	✓	✓	X	X
	✓	✓	X	X
	✓	✓	X	X
	✓	✓	✓	✓
	✓	✓	X	X
	✓	✓	X	X

PRESENTATION OF THE ECOSYSTEM

USER RIGHTS MATRIX (CONTINUED)

Resource / Capacity	Owner of the organisation	Organisation Administrator	Organisation Billing Manager	Organisation User
Location				
Create	✓	✓	✗	✗
Read	✓	✓	✗	✗
Update	✓	✓	✗	✗
Delete	✓	✓	✗	✗
Create en masse	✓	✓	✗	✗
Mass update	✓	✓	✗	✗
Mass delete	✓	✓	✗	✗
Device				
Create	✓	✓	✗	✗
Read	✓	✓	✗	✗
Update	✓	✓	✗	✗
Delete	✓	✓	✗	✗
Trigger	✓	✓	✗	✗
Create en masse	✓	✓	✗	✗
Mass update	✓	✓	✗	✗
Mass delete	✓	✓	✗	✗
Mass release	✓	✓	✗	✗
Create link	✓	✓	✗	✗
Remove link	✓	✓	✗	✗
Rule				
Create	✓	✓	✗	✗
Read	✓	✓	✗	✗
Update	✓	✓	✗	✗
Delete	✓	✓	✗	✗
Activate	✓	✓	✗	✗
Disable	✓	✓	✗	✗
Create en masse	✓	✓	✗	✗
Mass update	✓	✓	✗	✗
Mass deletion	✓	✓	✗	✗

	Administrator of the site	Manager site	User of the site	Viewer of the site
	✓	✗	✗	✗
	✓	✓	✓	✓
	✓	✗	✗	✗
	✓	✗	✗	✗
	✓	✗	✗	✗
	✓	✗	✗	✗
	✓	✗	✗	✗
	✓	✗	✗	✗
	✓	✓	✓	✓
	✓	✗	✗	✗
	✓	✗	✗	✗
	✓	✓	✓	✗
	✓	✗	✗	✗
	✓	✗	✗	✗
	✓	✗	✗	✗
	✓	✓	✓	✗
	✓	✗	✗	✗
	✓	✗	✗	✗
	✓	✗	✗	✗
	✓	✓	✓	✓
	✓	✗	✗	✗
	✓	✗	✗	✗
	✓	✓	✗	✗
	✓	✓	✗	✗
	✓	✗	✗	✗
	✓	✗	✗	✗
	✓	✗	✗	✗

PRESENTATION OF THE ECOSYSTEM

USER RIGHTS MATRIX (CONTINUED)

Resource / Capacity	Owner of the organisation	Organisation Administrator	Organisation Billing Manager	Organisation User
Scheduler event				
Create	✓	✓	✗	✗
Read	✓	✓	✗	✗
Update	✓	✓	✗	✗
Delete	✓	✓	✗	✗
Subscription				
Create	✓	✓	✗	✗
Read	✓	✓	✗	✗
Update	✓	✓	✗	✗
Delete	✓	✓	✗	✗
Application				
Create	✓	✓	✗	✗
Read	✓	✓	✗	✗
Update	✓	✓	✗	✗
Delete	✓	✓	✗	✗
Rule template				
Create	✓	✓	✗	✗
Read	✓	✓	✗	✗
Update	✓	✓	✗	✗
Delete	✓	✓	✗	✗

	Administrator of the site	Manager site	User of the site	Viewer viewer
	✓	✓	✗	✗
	✓	✓	✓	✓
	✓	✓	✗	✗
	✓	✓	✗	✗
	✓	✗	✗	✗
	✓	✓	✓	✓
	✓	✗	✗	✗
	✓	✗	✗	✗
	✓	✗	✗	✗
	✓	✓	✓	✓
	✓	✗	✗	✗
	✓	✗	✗	✗

PRESENTATION OF THE ECOSYSTEM

USER RIGHTS MATRIX (CONTINUED)

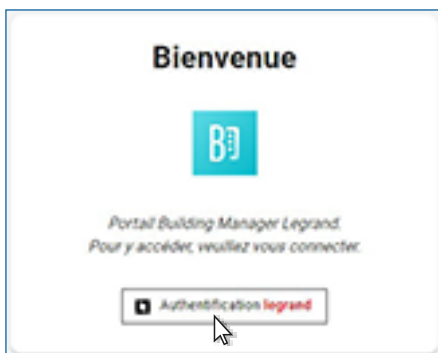
Resource / Capacity	Owner of the organisation	Organisation Administrator	Organisation Billing Manager	Organisation User
Custom function				
Create	✓	✓	✗	✗
Read	✓	✓	✗	✗
Update	✓	✓	✗	✗
Delete	✓	✓	✗	✗
Report template				
Create	✓	✓	✗	✗
Read	✓	✓	✗	✗
Update	✓	✓	✗	✗
Delete	✓	✓	✗	✗

	Administrator of the site	Manager site	User of the site	Viewer of the site

1. MANAGEMENT OF THE INTEGRATIVE SPACE

1.1 CREATING AN INTEGRATOR/INSTALLER ACCOUNT

Create an account via the following URL:
<https://portal.buildingmanager.legrand.com/>

A screenshot of the Legrand login page. At the top is the Legrand logo. Below it, the text "Déjà un utilisateur Legrand ?" is displayed. There is an input field for "EMAIL". Below that is a "MOT DE PASSE" field with a "Mot de passe oublié ?" link. A checkbox for "Maintenir la connexion" is present. A green "Connexion" button is at the bottom. At the very bottom, it says "Vous n'êtes pas encore un utilisateur Legrand ? Créer un compte unique pour toutes nos applications".

Click on "Register":

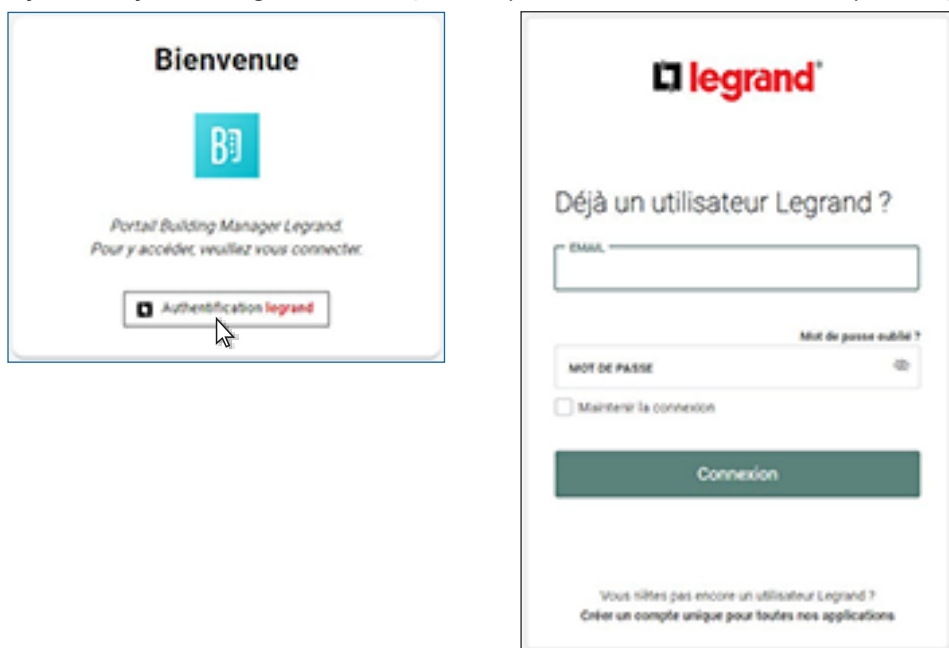
A screenshot of the Legrand registration page. At the top is the Legrand logo. Below it, the text "Renseignez les champs suivants pour terminer l'inscription de votre compte." is displayed. There are input fields for "MOT DE PASSE*", "CONFIRMER LE MOT DE PASSE*", "PRÉNOM*", and "NOM*". Below these is a "PAYS*" dropdown menu. A checkbox for "J'ai lu et j'accepte les conditions d'utilisation et la politique de confidentialité des données" is present. A green "Créer" button is at the bottom.

1.2 CONNECTION TO THE BUILDING MANAGER PORTAL

Connect to the Building Manager portal via the following URL :

<https://portal.buildingmanager.legrand.com/>.

If you already have a Legrand account (for example to connect to "with Netatmo" products), you can use it.



Bienvenue

Portal Building Manager Legrand.
Pour y accéder, veuillez vous connecter.

Authentification **legrand**

legrand

Déjà un utilisateur Legrand ?

EMAIL

Mot de passe oublié ?

MOT DE PASSE

☐ Maintenir la connexion

Connexion

Vous n'êtes pas encore un utilisateur Legrand ?
Créer un compte unique pour toutes nos applications

1.3 CREATING AN ORGANISATION

If you are the first person in your organisation to log in, you will be asked to click on the link to create your organisation:



Bienvenue Training Legrand

Comment souhaitez-vous procéder ?

Rejoindre une équipe existante
Si vous souhaitez rejoindre une équipe existante, veuillez contacter l'administrateur de l'équipe et demander une invitation.

Créer sa propre organisation
Si vous souhaitez créer votre propre organisation, cliquez ici.

If you are a member of this organisation, you can simply join by requesting access from the administrator.

1.3 CREATING AN ORGANISATION (CONTINUED)

Once you've clicked on the link, a pop-up window will open asking you to enter information about your integration company.

Créer une nouvelle organisation

Vous êtes ici

Nouvelle Organisation

1 Remplissez les informations de l'organisation

2 Remplissez les informations de contact

Détails

Informations basiques relatives à la formation de l'organisation

Créer une organisation dans

Nom *

Prénom *

SIRET *

Numéro de TVA *

Rue *

Ville *

Code Postal *

Pays/Paysa *

Catégorie de formation *

Informations contact

Personne à contacter pour toute communication ou demande de renseignements

Prénom *

Nom *

Téléphone *

Email *

Si vous souhaitez une formation, nous vous recommandons d'ajouter des personnes à votre équipe *

Retour

Créer une organisation



To create a new organisation, it is necessary to obtain approval from the Legrand teams.

During this period, you will no longer be able to access your sites or add new Area Managers.

You will then be taken to your organisation's page, where you can modify the information in the Organisation section by clicking on .

Organisation

Profil

Nom

Legrand Training

Adresse

Nr de rue de la gare
44000 Nantes
France

Coordonnées

44000 Nantes
France

Langue

Anglais

Site

Equipe

Filtre

Rechercher

Nom

Rôle

Statut/Situation

Training/Legrand

Admin

Active

Copier la page

1/1

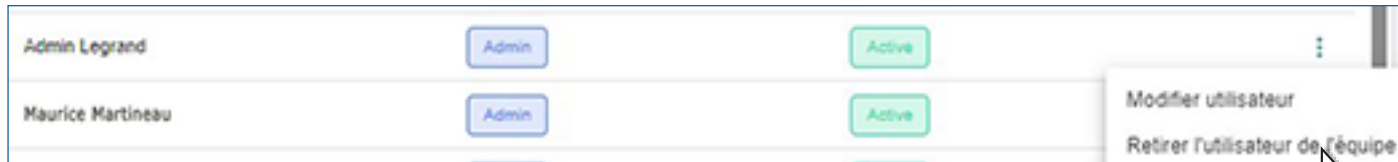
1 de 1

1.3 CREATING AN ORGANISATION (CONTINUED)

In the Organisation section, the button allows you to invite a member of your organisation. For more information, see the rights matrix in the introductory chapter *Ecosystem overview*.

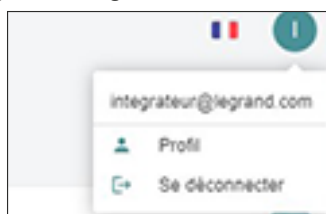
Enter the email address that the invited member used to create their Building Manager portal access account, and set their accreditation level (see [Rights matrix](#)).

You can remove a member of your integration team at any time (useful in the event that a subcontractor needs access to the portal and information on certain sites), by accessing the user's details and clicking on :



1.4 ACCOUNT MANAGEMENT

From the "Profile" menu or by clicking on your logged-in user name, you can view and modify your personal information. You can also delete your Legrand account at any time by clicking on the Legrand Account tab.



Check the information you have entered and confirm (you can change this information later).

2. CREATION AND MANAGEMENT OF SITES

To optimise time on site, it is advisable you to prepare the project in advance. The Area Manager can be connected for the first time and updated at the same time.

2.1 CREATION OF A SITE

The Building Manager portal allows you to manage several sites.
In the drop-down menu on the left of the screen, click on the  **Sites**. If this is your first visit to this tab, you will be prompted to create a new site.
If you have already created sites, you can add new ones using the  button at the top right of the screen.

Nouveau site

Type *

Bureau

Nom *

My office

Étage

0

Nom *

Extérieur

Étage

1

Nom *

Niveau 1

Étage

2

Nom *

Niveau 2

labels

Adresse *

Av de l'attre de tassigny

Pays *

France

Ville *

Limoges

Code postal *

87000

Latitude

Longitude

Fuseau Horaire *

Europe/Paris

VALIDATE

2.1 CREATION OF A SITE (CONTINUED)

Indicate the type of building and the number of storeys (including basements and ground floors).
Outdoor areas can be considered as levels or locations.

The next screen allows you to give customised names to the levels.

The last step asks you to enter the physical location of your site (postal address).



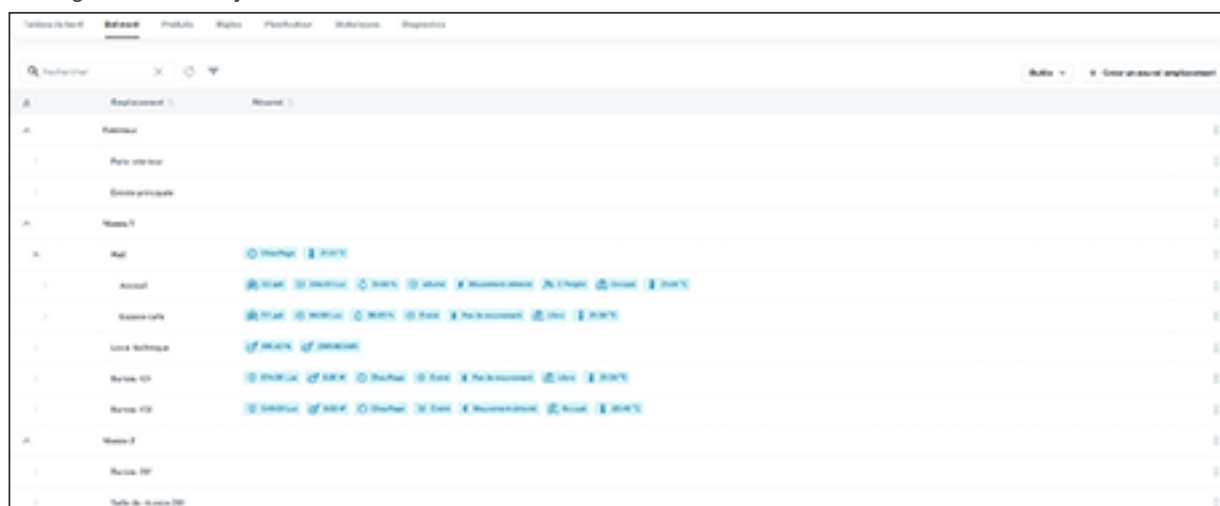
Important: entering the site location information is an essential step, particularly for the time zone, as Area Managers connected to this site will automatically synchronise to this time zone. What's more, by selecting the country, you can dynamically adapt the list of available products (range of equipment or measurement products) to suit the country's specific offering.

Check the information and validate to finish creating the site.

You can access the details of the site by clicking on it.

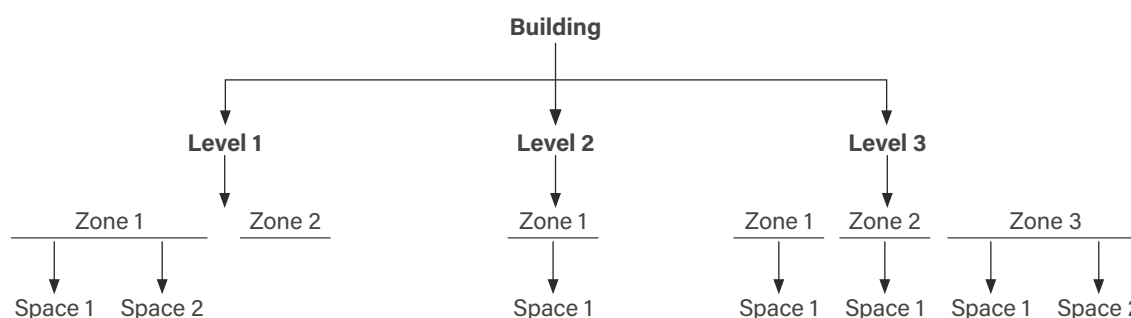
2.2 HIERARCHICAL STRUCTURE OF THE BUILDING

The second tab **Bâtiment** lets you view and modify the hierarchical structure of your building. From the outset, you will see the levels that were defined when the site was created. You can then add locations to these levels, allowing you to create the different spaces, meeting rooms and any other elements of the site to be used.



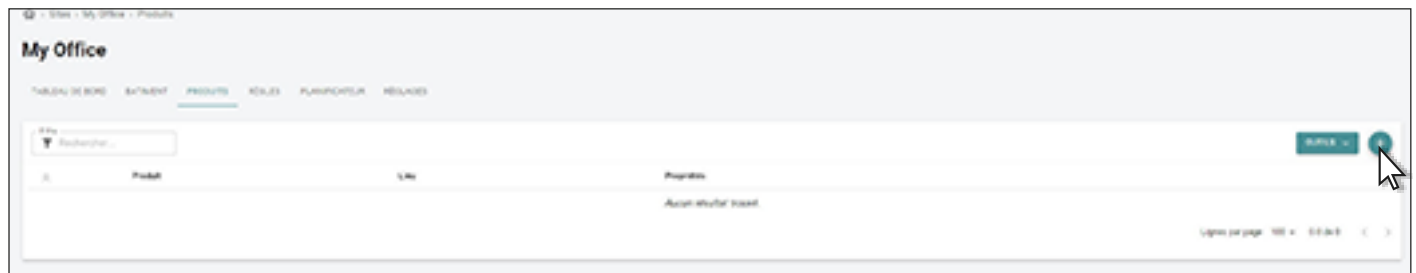
To change the hierarchical structure of the building, click on  to the right of the parent location, then add a location. You can :

- Add zones to a given level,
- Add spaces to a given zone.



2.3 SITE PRODUCT DECLARATION

Once the building structure has been defined, the **PRODUITS** tab is used to declare the products that will be installed. Click on **+** to add a product.



This will take you to a new page for adding a new product.

2.3.1 DECLARE AN AREA MANAGER

Start by declaring an Area Manager to which the products will be attached:

The screenshot shows the 'Créer un nouveau produit' (Create a new product) form. At the top, there's a breadcrumb trail: 'Site' > 'My Office' > 'Produits' > 'Nouveau produit'. Below this, there's a 'Type de produit' dropdown menu with 'Area Manager' selected. To the right of this dropdown, there's a 'Produit connecté' button. Below the dropdown, there's a 'Configuration' section with the subtitle 'Principales caractéristiques de produit'. This section contains several input fields: 'Nom', 'Année', 'Version', 'Logiciel', 'Version', 'Nom', 'Version', and 'Description'. The 'Description' field is filled with 'Local technique'. At the bottom of the configuration section, there are three radio buttons: 'Activer le module', 'Configuration IP', and 'Sélectif'. A 'Sauvegarder' (Save) button is located at the bottom right of the form.

2.3.1 DECLARE AN AREA MANAGER (CONTINUED)

Enter :

- The name (an identification number)
- The level and location of the Area Manager

You will see your Area Manager appear in the list of products on your site. This declaration remains virtual until the Area Manager is physically connected, declared as belonging to this site, and synchronised with the Building Manager portal.

In addition to wireless communication protocols, the Area Manager is also capable of Modbus communication.

All Area Managers are natively equipped with this protocol, but it must be activated and configured according to the elements to be controlled. Modbus can be configured at any time.

To activate Modbus, tick the box Activer le modbus

New fields will appear, inviting you to enter the various characteristics of your Modbus configuration. This information must be completed and must be identical on each of your Modbus devices, with the Area Manager positioned as the Master.

IP Configuration to connect to Airzone via local API

From the Area Manager menu, you can enable the IP Configuration function to connect the Area Manager to Airzone products via local APIs.

Parameters to set :

Connection name (example: local Airzone API)

Local IP address of the Airzone system

Port: 3000

Addressing to be respected when adding an Airzone API model

Format: X:Y

X = Airzone system number

Y = zone number

Example: 1:5 for system 1 and zone 5.

2.3.2 DECLARE A PRODUCT

Click on the line of the Area Manager already declared to create the product in the Area Manager zone.

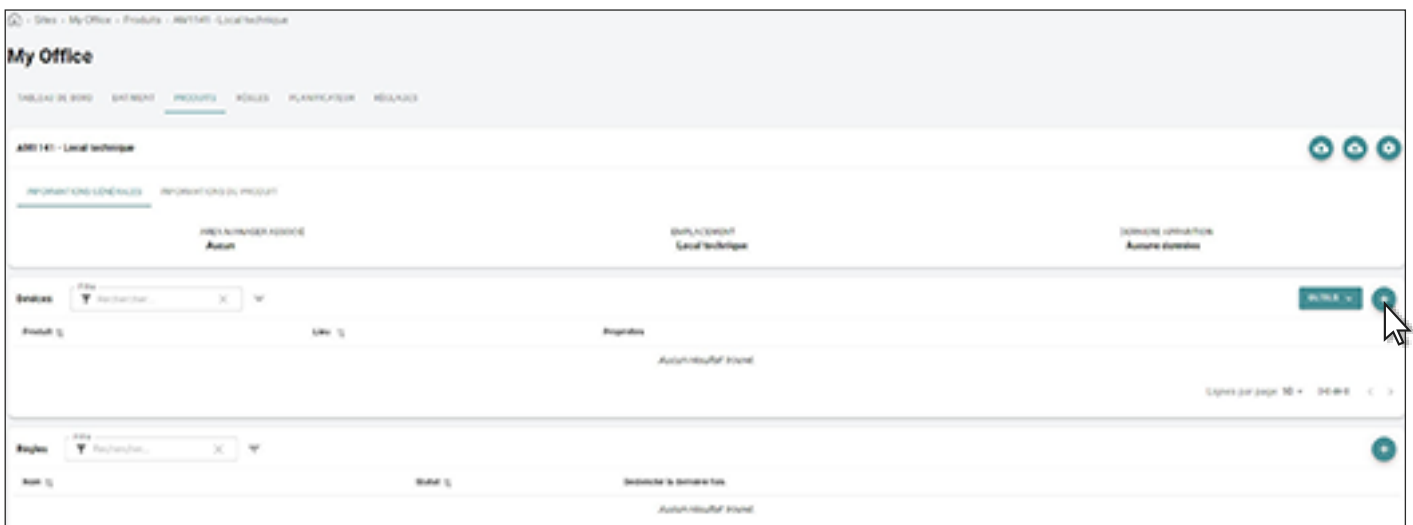


You can also click on  to create a new product and choose its location.



To ensure that product data is displayed correctly in the building view, make sure that all the products declared in the same location are associated with a single Area Manager.

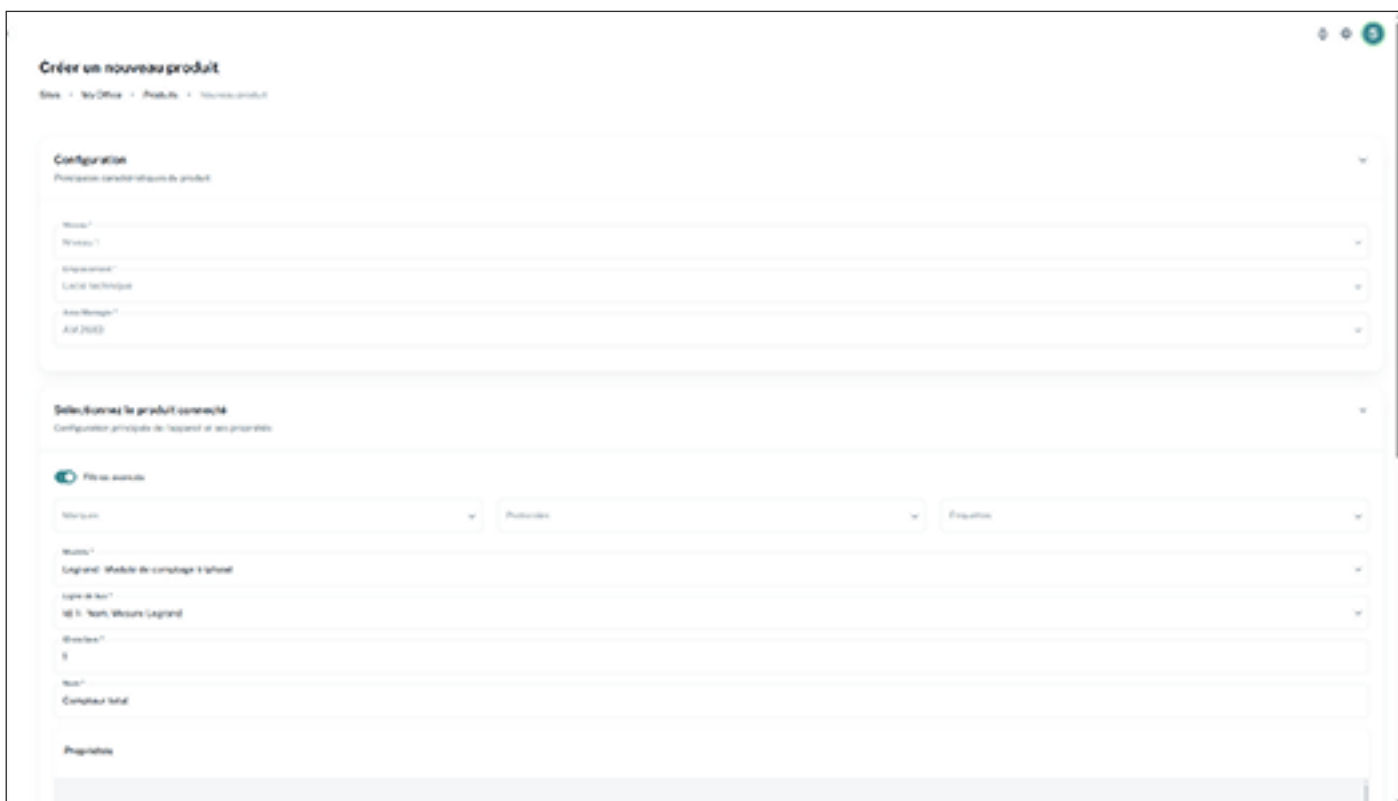
Click on  on **PRODUITS**.



2.3.2 DECLARE A PRODUCT (CONTINUED)

You will arrive on a "New product" page. You will need to enter the model and name of the product.

Modbus products will only be proposed if the function has been activated on the Area Manager, and you will also need to fill in the slave ID field.



Créer un nouveau produit

Home > My Office > Produits > Nouveau produit

Configuration
Paramètres caractéristiques du produit

Modèle*

Niveau*

Appareil*

Local technique*

Adresse*

Alim (VDD)*

Sélectionnez le produit conseillé
Configuration principale de l'appareil et ses propriétés

Filtre avancé

Marque* Fonction* Fréquence*

Modèle*

Logiciel: Module de comptage à 16 bits

Copie de base*

ID de base: Nom, Version (Logiciel)

Adresse*

Niveau*

Niveau*

Compteur total

Propriétaire

2.3.2 DECLARE A PRODUCT (CONTINUED)

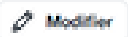
By selecting the "Advanced filters" option, you can filter the available models by brand, communication protocol and part numbers (labels).

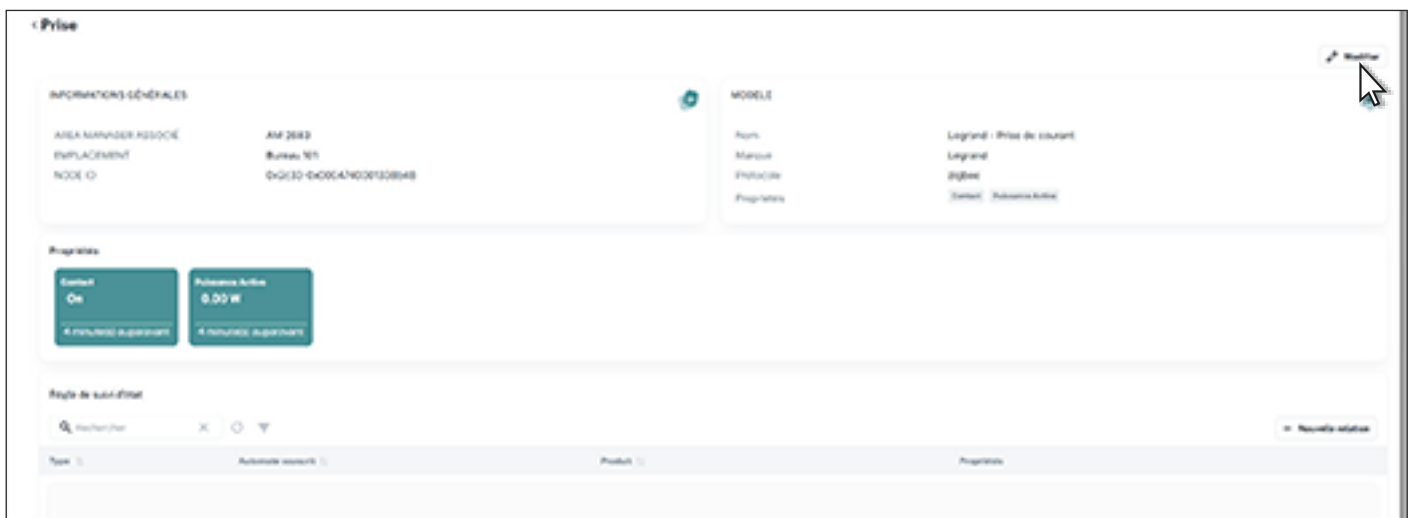
Select the model.

The product properties appear:

- **The name** of the property (can be modified, for example "Opening contact")
- An **"Active" box** allows you to deactivate a property (an inactive property will no longer be usable for management rules)
- A **"Cache" box** used to prevent information being fed back to the part, the property will be hidden but still usable in the management rules
- **The option of excluding it from the location property** to prevent it from being included in the calculation of the average for the zone property
- **Minimum difference threshold** allows you to limit the amount of information fed back, and works as an absolute value to limit the difference in temperature fed back to 0.5 or 1°C for example, as well as a percentage

We recommend that you only keep data that is useful for the proper operation of your site (e.g. consumption, temperature).

To modify the product properties, click on .



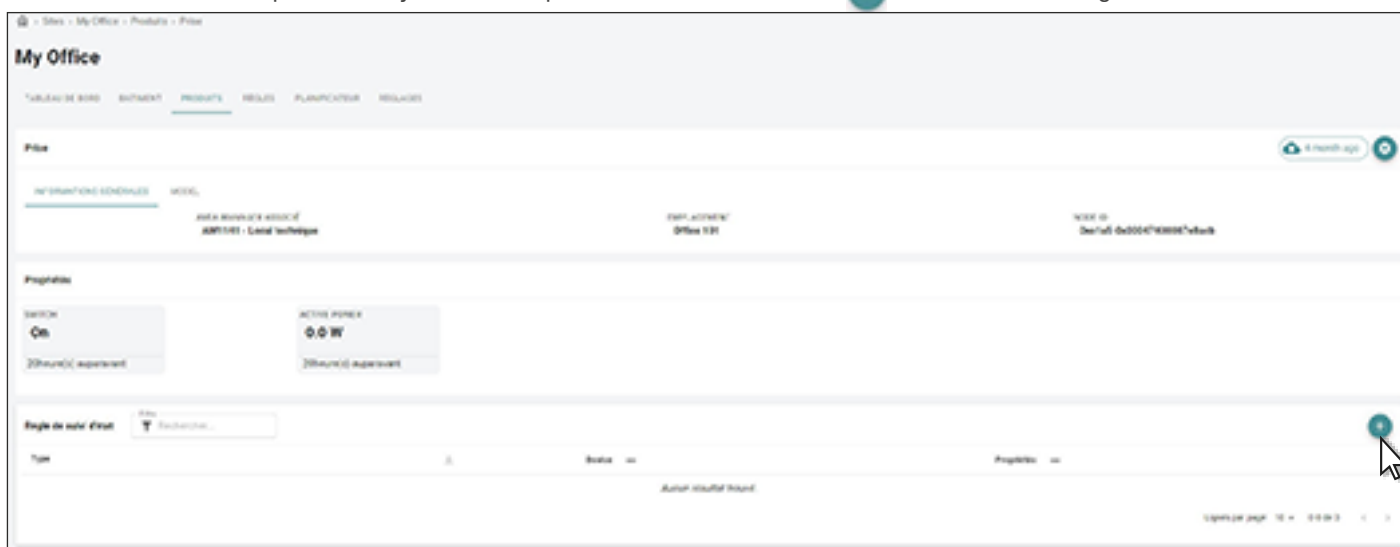
Notes :

- In the list of available products, there are virtual products. They can be used to symbolise different concepts and configurations, and can be used as indicators, controllable through management rules, to fine-tune the behaviour of a site or improve maintenance and comfort operations. u2028]For example, a virtual switch to switch the HVAC system to summer or winter mode.

2.3.3 STATE TRACKING RULE

By accessing the details of a product, it is possible to create a master/slave relationship between two products. u2028]For example, define a master thermostat which, when one of its parameters is modified, will "force" this modification on the slave thermostats which depend on it (its mode, for example).

You can create relationships between your installed products. To do this, click on  in "Status monitoring rule".



This takes you to a "New master relationship" page:

RETOUR

Nouvelle relation maître

Type de relation

Maître
Est forcé par

Information générale

Device source *
Prise 2

Device cible
Prise

Propriété *
1 sélectionné

ENREGISTRER LA RELATION

2.3.3 STATE TRACKING RULE (CONTINUED)

There are 2 ways of doing this.
Choose the type of relationship for a master or slave product:

Type de relation

Maître

Est forcé par

- Then, once you have clicked on  of "Master" or "Forced product" you must :
- Define the target product (slave) or the source product (master),
 - Select the properties which will be affected by the master/slave relationship.

2.4 MODIFICATION AND DELETION OF PRODUCTS

To change the name or properties of a productaccess its details by clicking on the name of your product in the **PRODUITS** .
Then click on  **Modifier** to display the product parameters:

Prise

INFORMATIONS GÉNÉRALES

AREA MANAGER ASSOCIÉ

AN° 2040

EMPLACEMENT

Bureau 101

WOOLE ID

0x0130-0x0004/WOOLE038848

WOOLE

Norm

Marque

Protocole

Propriétés

Legend - Prise de courant

Legend

Epaisseur

Carton

Autre norme

Propriétés

Contraint

On

4 minutes

superviseur

Autonomie Active

0.00 M

4 minutes

superviseur

Style de suivi d'état

Rechercher

X

+

-

Type

Autonomie

Produit

Propriétés

Nouvelle relation

2.4 MODIFICATION AND DELETION OF PRODUCTS (CONTINUED)

A screen similar to the one used to create will allow you to :

- Modify the general information by clicking on [MODIFIER LA CONFIGURATION DE L'APPAREIL](#),
- Delete the product by clicking on [SUPPRIMER L'APPAREIL](#).



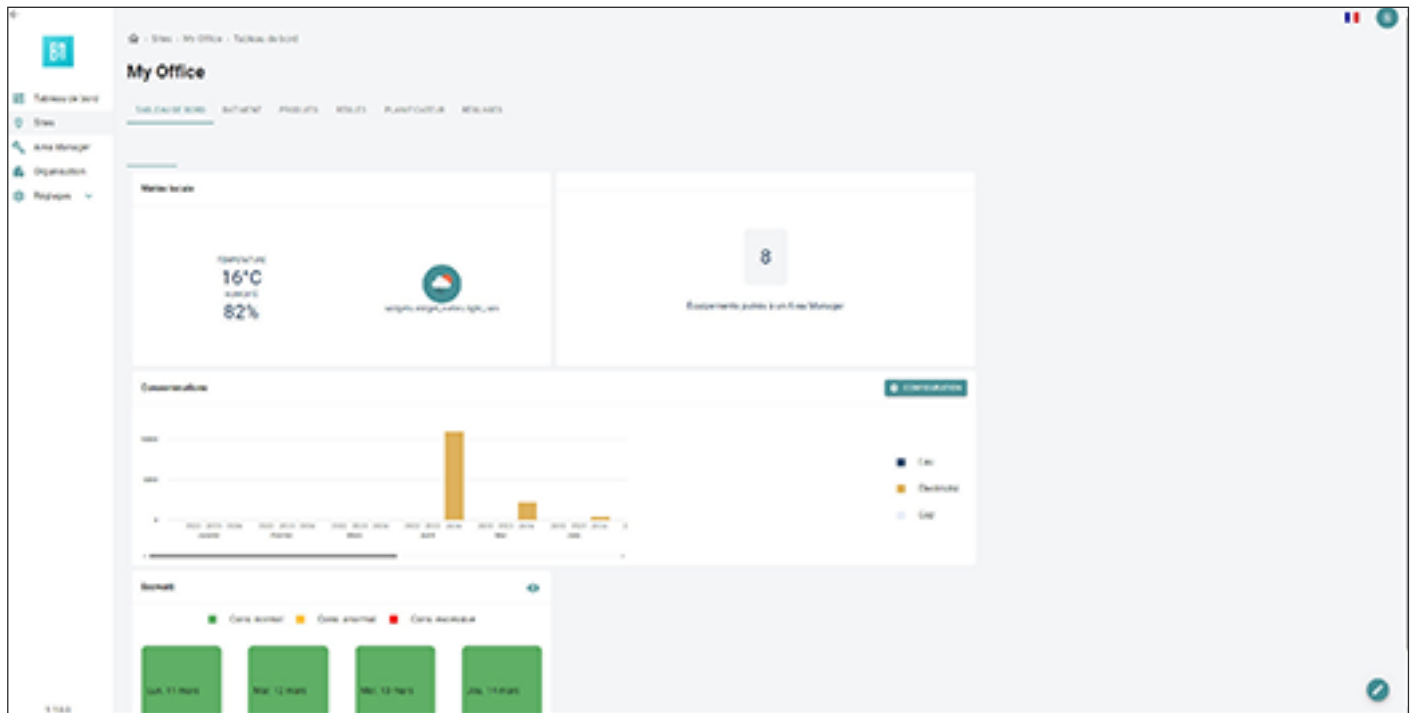
The system will not let you delete products that are paired with an Area Manager, or linked Area Managers. You will first have to unpair or unlink them (see Pairing section 5.3 Inclusion/Exclusion of products).

Propriété	Nom	Actif	Cacher	Exclure de la propriété de l'appareil	Seuil de différence relatif
Mouvement	Présence	☒	☐	☐	
Luminosité	Luminosité	☒	☐	☐	
Intensité (lumière)	Éclairage	☒	☐	☐	
Vitesse	Vitesse de variation	☒	☐	☐	

Buttons at the bottom: [Retour à la configuration de produit](#) (orange) and [Sauvegarder la configuration de produit](#) (black).

2.5 DASHBOARD MANAGEMENT

The first tab **TABLEAU DE BORD** that appears in the site details is a customisable Dashboard, on which you can display various widgets.



Each user for each site has their own Dashboard, which can be organised into different sections according to the information relevant to their operation.

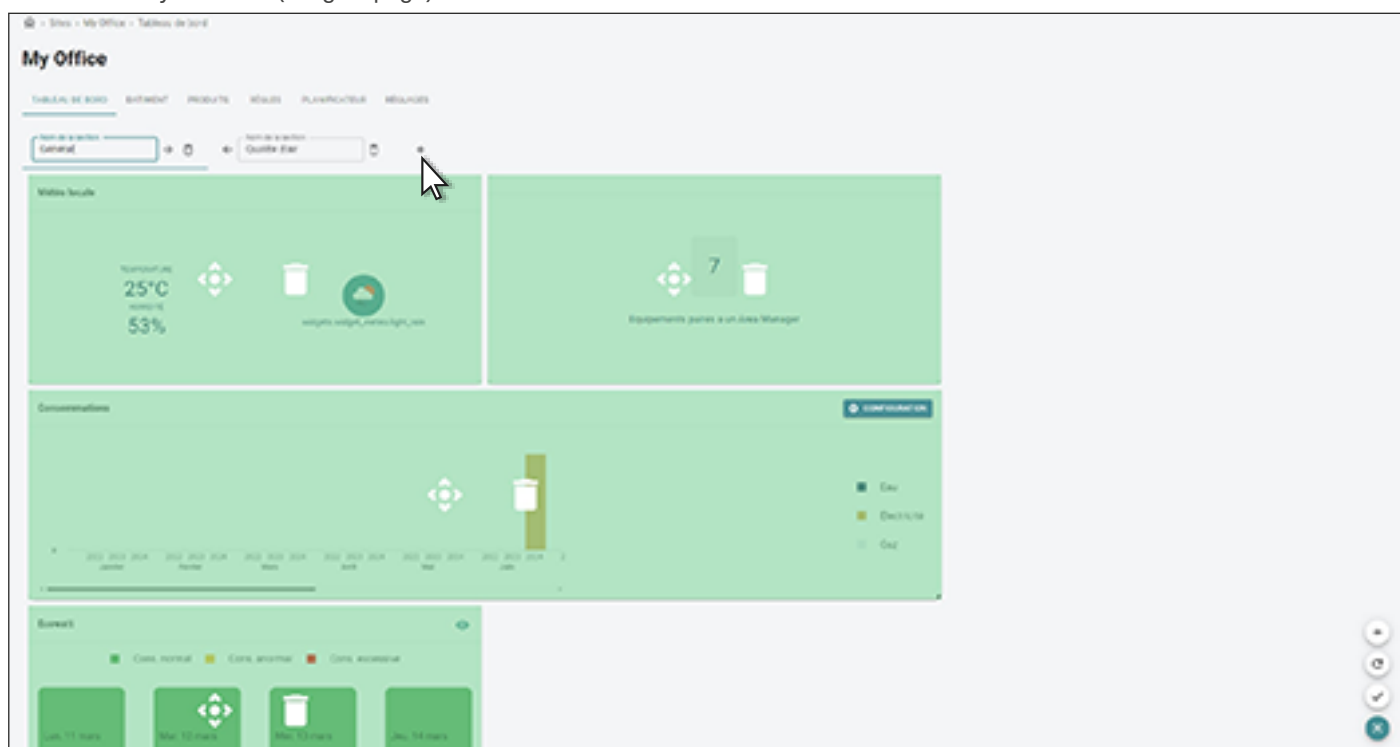
To add/remove/reorganise widgets on the Dashboard, click on the "Edit" button on the right of the screen.

- Move/delete existing widgets



2.5 DASHBOARD MANAGEMENT (CONTINUED)

- Add or modify a section (widgets page)



Click on the section name to add the corresponding widget.

Once you have created the widget(s), you now need to configure them by clicking on  .
The configuration will be specific to each widget.

3. AREA MANAGER MANAGEMENT

3.1 REGISTRATION OF AREA MANAGER

Each physical Area Manager has a unique identification number and a proprietary key. As an integrator, you will potentially be handling a large number of Area Managers, and you will not always know which one will be physically installed in which location as soon as you receive it.

The first step is to declare each Area Manager in your possession by entering its identification number and owner key in order to activate it. There are two ways of doing this:

- from the mobile application, see section *Setting up an Area Manager*
- from the portal, in the  **Area manager** tab in the left-hand menu, then click on .

Ajouter des Area Manager à mon compte

Organisation *

Identifiant *

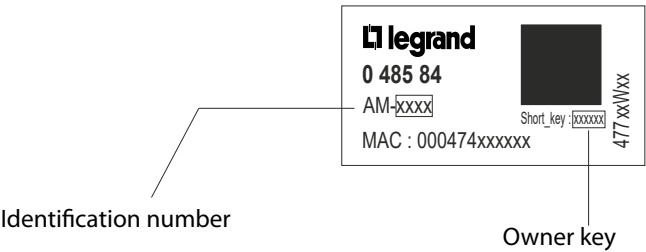
Cle propriétaire *

+

VALIDER

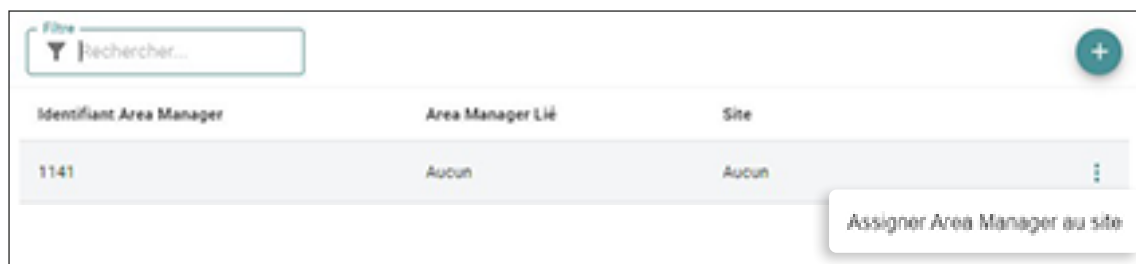
Enter the identification number and owner key given to you when you received your Area Manager, then click on .

Label located on the underside of the product :



3.2 ASSIGNMENT/DISAFFECTION AT THE SITE

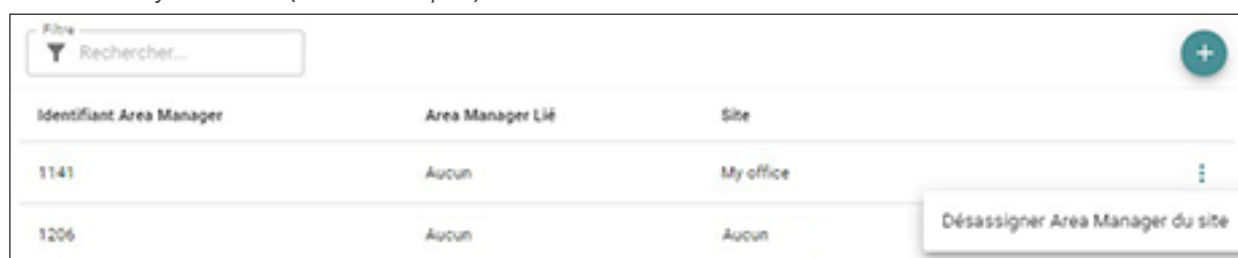
Your Area Manager appears in the list of Area Managers you own. It is not yet assigned to any site, nor linked to any virtual Area Manager on a site. If it has been registered from the application, it will automatically be asked to be assigned to your site.



Click on **Assigner Area Manager au site** to assign your Area Manager to a site.

The selected Area Manager will be assigned to a site, and it will be necessary to set up the connection between the Area Manager and the Building Manager portal (see *setting up the Area Manager*).

To unassign an Area Manager from one site and reassign it to another site, simply click on . A screen will open for unassignment, provided it has already been reset (see *reset chapter*).



Tick the box ☒ **Je sais ce que je fais** then click on the **DÉASSIGNER AREA MANAGER**.

Your Area Manager will no longer be linked to a site and you can assign it to a new site.

4. AREA MANAGER

4.1 ESTABLISHMENT OF THE AREA MANAGER

Step 1:

Power up the Area Manager :

Examples of states :



- Operational but not connected, works locally.



- Operational and connected.



The LED lights up green when the Area Manager's operating system is booted



The LED lights up green when the Area Manager is connected to the Cloud



The LED lights up green when the radio protocols are active (Zigbee and Z-Wave)



The LED lights up green when the Wi-Fi access point is active



Before you start, make sure that the LEDs  and  are green and that the LED  is lit (green or red).

Step 2:

Install the mobile application **Building + Manager** from the Play Store on your phone.



Step 3:

Start the mobile application.

Authenticate yourself with your Legrand access.

Once on the application's home page, click on .

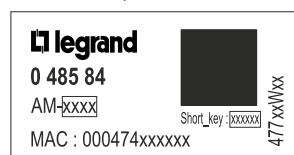
4.1 ESTABLISHMENT OF THE AREA MANAGER (CONTINUED)

Step 4: If you have not registered from the portal, you can do so at this stage using the application.

Registering and assigning an Area Manager

Click on Register an Area Manager.

Scan the QR code on the back of the product.



Step 5:

Activate the Wi-Fi access point: press the button on the front of your Area Manager twice within one second.

Wait a few seconds while the Wi-Fi access point is activated, the LED will turn green.

The access point should appear in your Wi-Fi networks as "**Legrand-AM-XXXX**" (AM-XXXX indicates the Area Manager identifier). The security key can be accessed on the Building Manager portal in the tab **Area manager** tab and by clicking on the Area Manager concerned.

4.1 ESTABLISHMENT OF THE AREA MANAGER (CONTINUED)

Step 6:

Connect to the Wi-Fi network
Legrand-AM-XXXX.

Click on Connect to Area Manager.

Fill in your Area Manager ID: the Area Manager password and Wi-Fi password will be filled in automatically if your Area Manager is registered, and if your phone is connected to the Internet.

If you see an error message, you may need to disable 4G mobile data.

Se connecter à Area Manager

Area Manager ID (ex: 1723)

Mot de passe MQTT

Mot de passe Wi-Fi

Se connecter à Area Manager

Se connecter à Area Manager

Area Manager ID (ex: 1723)
1141

Mot de passe MQTT
jKdN6L4%b31&

Mot de passe Wi-Fi
zS6Ez&7V5*!L

Se connecter à Area Manager

If necessary, you can access the security key and password in the  **Area manager** tab and by clicking on the relevant PLC.

Détails de l'identité de l'Area Manager

Cette identité est unique et n'est pas censée changer après avoir été créée. Une identité ne peut être flashée que sur un seul Area Manager.

Clé propriétaire
4c68f1

Mot de passe MQTT
jKdN6L4%b31&

Mot de passe Wi-Fi
zS6Ez&7V5*!L

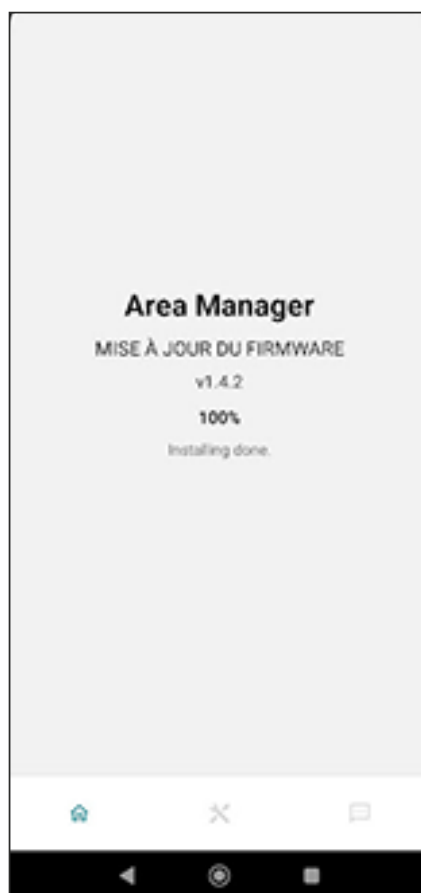
Click on connect.

4.1 ESTABLISHMENT OF THE AREA MANAGER (CONTINUED)

The first time you connect to the Area Manager, you will be asked to start the installation.



- Click on **Démarrer l'installation** and specify whether your product is connected via Ethernet or Wi-Fi.



- In order to ensure optimum performance, it may be necessary to update the Area Manager. The update is followed by a restart of the product. After the restart, you will need to reactivate the access point and connect again in order to proceed with the new installation. Depending on the quality of the Internet connection and the firmware version of your Area Manager, the operation may take up to twenty minutes.



Warning: do not unplug or disconnect the product during the update.



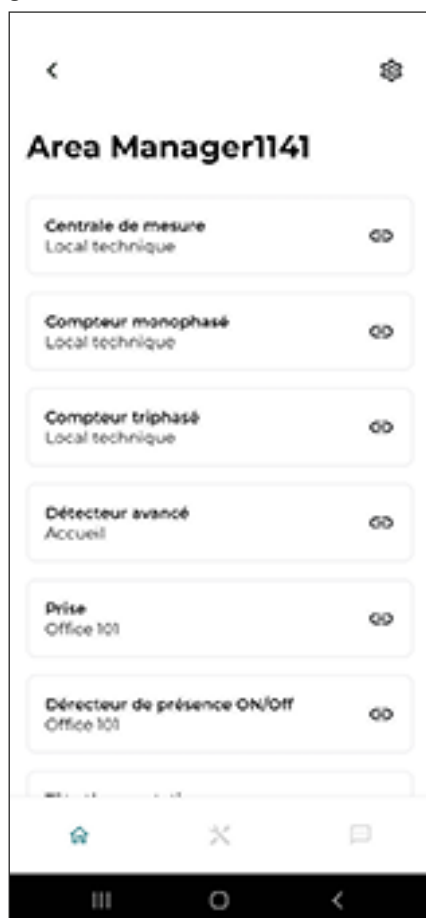
- Choose the location and Area Manager previously defined in the portal to which the product corresponds, then click on **Lancer l'installation**.

4.2 GENERAL OF AREA MANAGER

From  at the top right of the screen, 4 settings are possible:

-  Réseau Network settings: allows you to change network settings
-  Vérifier la connectivité Check cloud connection
-  Synchroniser Synchronise the Area Manager with the Building Manager portal configurations
-  Réinitialisation d'usine Return to factory settings

Once the Area Manager has been installed, you will be taken to the Area Manager overview. If you get the message "No data", check the configuration made on the portal and then synchronise your Area Manager from the portal or the corresponding button on the global view.



As soon as an action is carried out in the Building Manager portal, such as a modification to the site structure, the creation/modification/deletion of a product, the creation of a management rule or an energy saving rule, **the Area Manager will need to be synchronised so that the changes can be taken into account**. This operation also ensures that the operating logic is loaded locally into the Area Manager and that the building continues to operate correctly even if the Internet network is temporarily lost.

This action can be carried out either directly from the application by clicking on the  button in the global view, or pushed from the portal.

4.2 GENERAL OF AREA MANAGER (CONTINUED)

If it is necessary to change an Area Manager completely, or as a last resort in the event of a technical problem, you can reset your Area Manager to its factory settings.



Warning: This action is irreversible, and will delete absolutely everything that has been set up on the Area Manager (site, products, rules, ...) It will be empty of any information. Only carry out this operation if you are absolutely sure of what you are doing.

You must unpair the Z-Wave and ZigBee products one by one before performing the factory reset.

Procedure

Step 1 :

Click on  and on the "factory reset" menu.



A screen will ask you to confirm the action.

Step 2 :

Once the action has been confirmed, do not touch anything and **wait 3 min** for the Area Manager to reconfigure itself automatically.



Warning:

Even if a "Factory reset success. please reboot the automation" message appears on the screen, please wait 3 minutes!

4.2 GENERAL OF AREA MANAGER (CONTINUED)

Step 3:

Go to the portal and go to the tab  **Area manager**.

Check that the value "None" is displayed in the "Linked Area Manager" column (the factory reset has worked). If you wish to link it to another site, you will need to remove the Area Manager from that site by clicking on  and unassign this Area Manager from the site).

Identifiant Area Manager	Area Manager LSI	Site	
1141	AM1141 - Local technique	My Office	
1206	Aucun	Aucun	
1470	Aucun	Aucun	
1490	Aucun	Aucun	
1491	Aucun	Aucun	

4.3 INCLUSION/EXCLUSION OF PRODUCTS

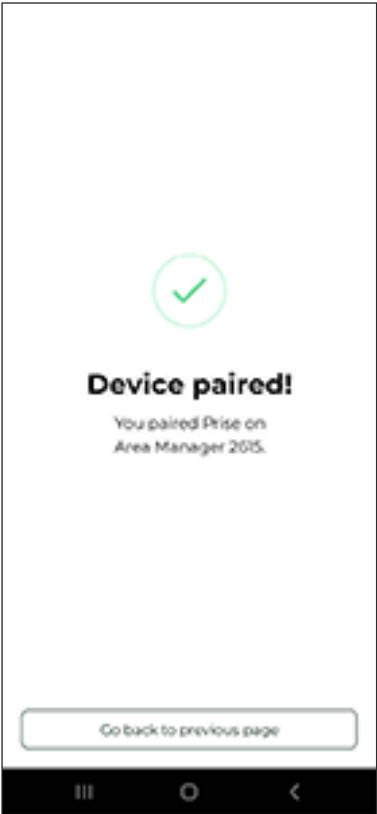
Selecting and clicking on an unpaired device will put your Area Manager in product inclusion mode (for Modbus products, skip this step):



Then activate the pairing mode on the physical equipment (refer to the manual for the product concerned).



After a few seconds, a message will tell you that pairing has been successful.



The icon  icon will change from red to black.
To unpair, click on the product and confirm. The icon will  will change from black to red.

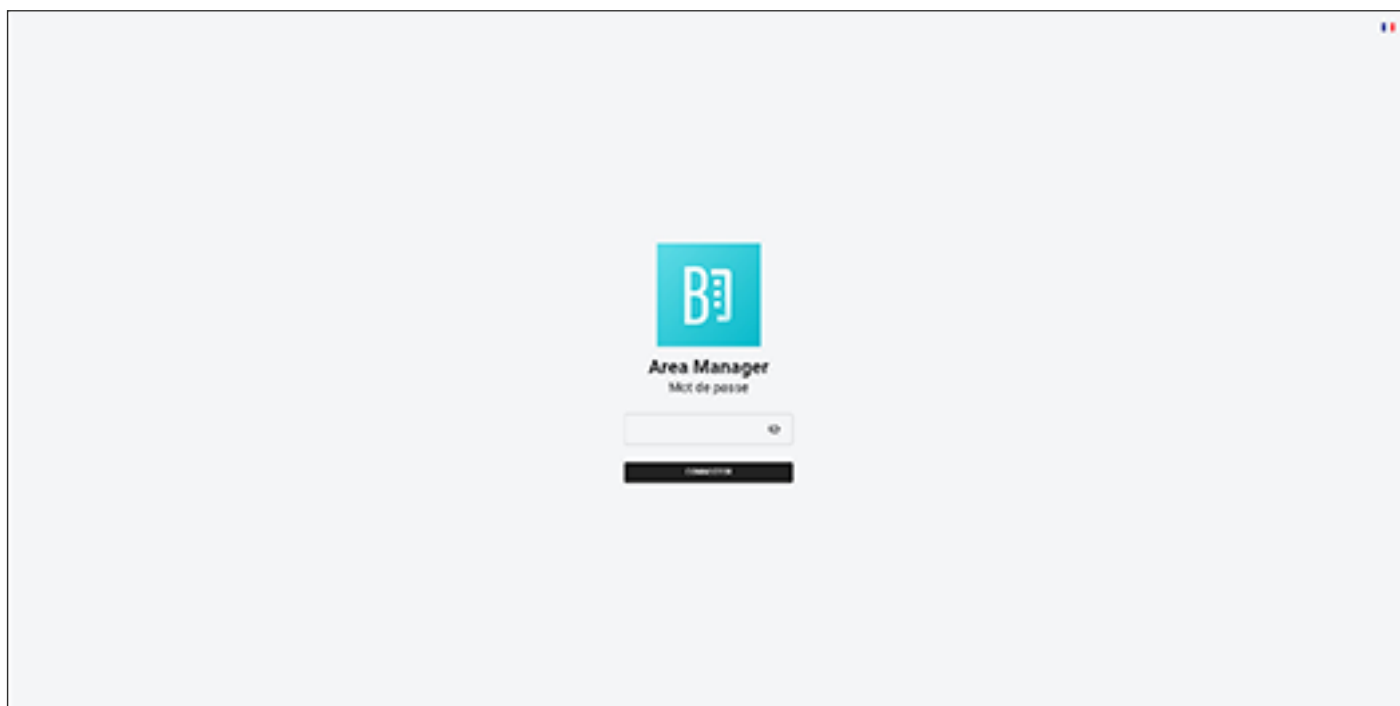
4.4 SETTING UP THE AREA MANAGER USING THE WEB APP

If you have not already done so using the Building + Manager application and would prefer to use your PC, you can also use the Web App to set up your Area Manager.

Procedure for using the configuration web App page

You must first have registered your Area Manager on the portal.

- 1) Press twice within one second on  located on the front of your Area Manager. The LED  will turn red. Wait a few seconds while Wi-Fi is activated. The LED will turn green when the access point is operational.
- 2) The access point should appear in your Wi-Fi networks as "Legrand-AM-XXXX" (AM-XXXX indicates the Area Manager identifier). The security key can be accessed on the Building Manager portal in the tab  **Area manager** tab and by clicking on the relevant PLC.
- 3) Open a browser on your PC and connect to the IP address <https://10.10.10.1> You may get a message from your browser indicating that the web page is not secure. You can continue browsing.



- 4) Once on the page, enter the Area Manager password. This can also be found on the  **Area manager** tab and by clicking on the relevant PLC. Once validated, the page may take a minute to load.

4.4 SETTING UP THE AREA MANAGER FROM THE WEB APP (CONTINUED)

5) Click on **DÉMARRER L'INSTALLATION** and specify whether your product is connected via Ethernet or Wi-Fi.



6) To ensure optimum performance, it may be necessary to update the Area Manager. The update is followed by a restart of the product. After the reboot, you will need to reactivate the access point and connect again in order to proceed with the new installation. This operation may take a few minutes.

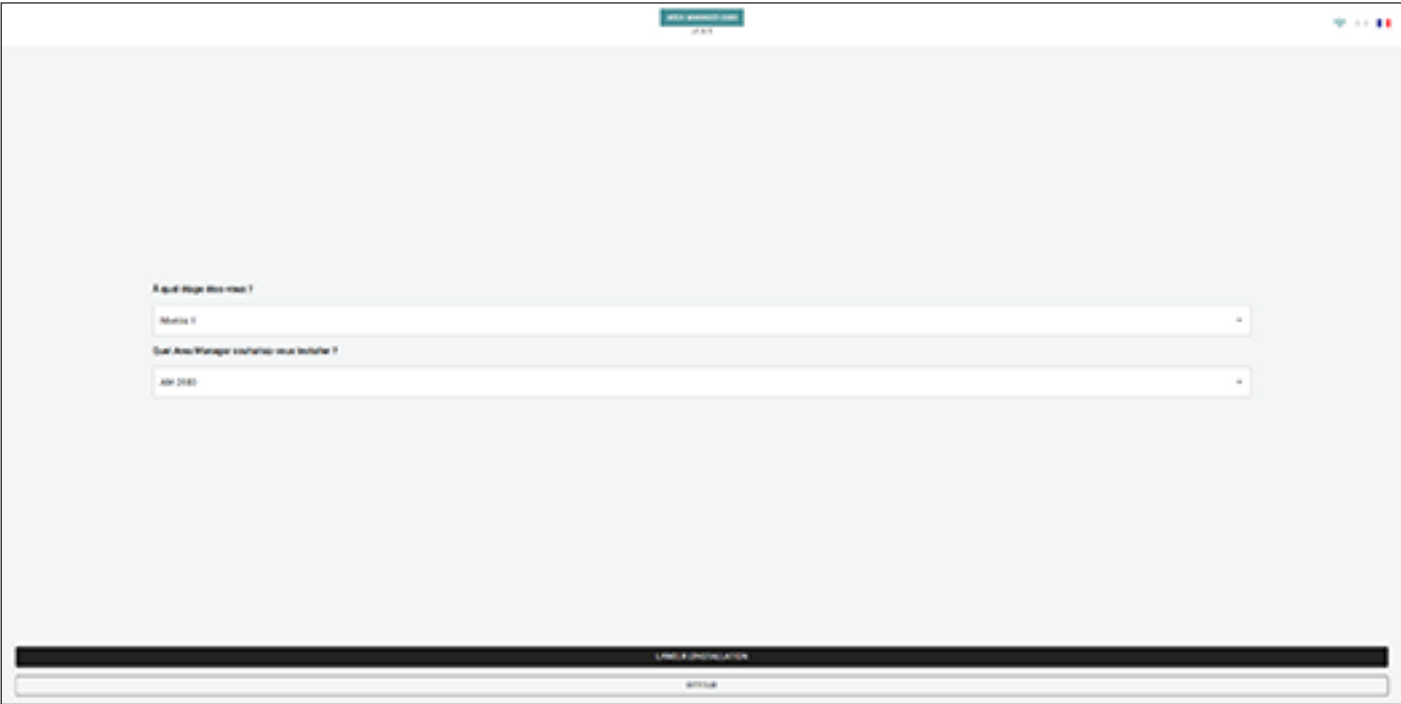


Warning:

Be careful not to unplug or disconnect the product during the update.

4.4 SETTING UP THE AREA MANAGER FROM THE WEB APP (CONTINUED)

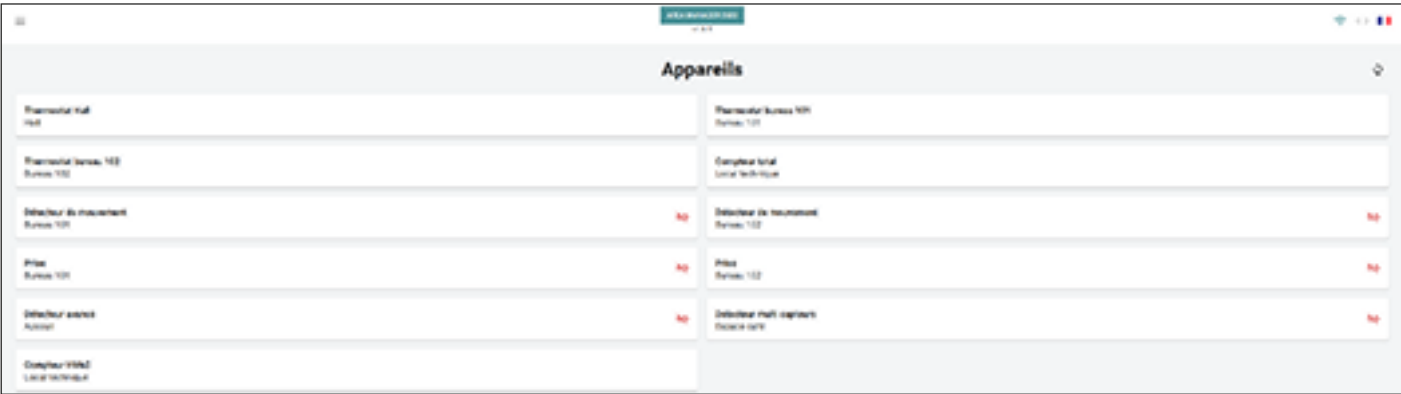
7) Select the location and Area Manager previously defined in the portal corresponding to the product, then click on "Start installation".



8) Once installation is complete, you will be taken to the main page, where you can access the devices, rules, settings and synchronisation functions.



9) Select the "device" menu.
Select and click on a non-paired device, this will switch your Area Manager to product inclusion mode (for Modbus products, skip this step). Click on the **ASSOCIER**.



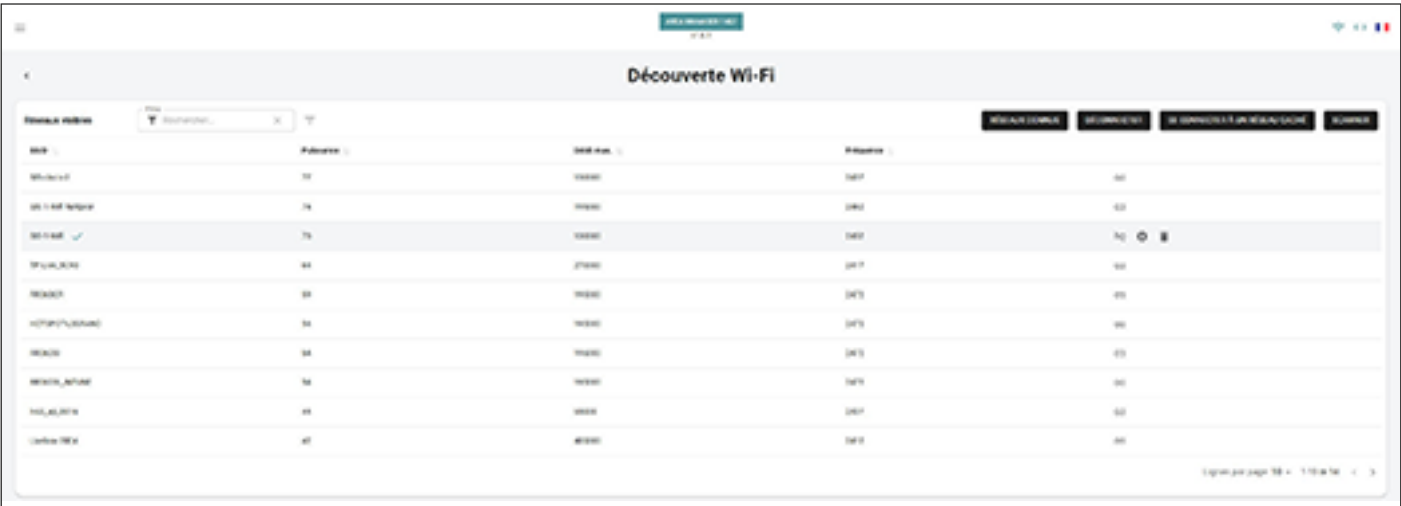
4.4 SETTING UP THE AREA MANAGER FROM THE WEB APP (CONTINUED)

10) Activate pairing mode on the physical equipment (refer to the relevant product manual). After a few seconds, a message will indicate that pairing has been successful.
The icon  icon will change from red to black. To unpair, click on the product and confirm. The icon  will change from black to red.
Repeat the operation for each wireless product.

General information on the Area Manager menu
Rules menu :
Allows you to view the rules synchronised in the Area Manager.
Settings :



Allows you to modify network settings (Wi-Fi or Ethernet).
Wi-Fi, description of the 3 icons: disconnect, settings and forget network.



 Area Manager: allows the Area Manager to be disconnected from the network while retaining the security key.

 Network settings: allows you to access the network settings and modify them if necessary.

 Disable: disconnects the Area Manager from the network, deleting the security key.

4.4 SETTING UP THE AREA MANAGER FROM THE WEB APP (CONTINUED)

Ethernet ethernet: allows you to access the network parameters and modify them as required.

Configuration Ethernet

Détails de la connexion

Nom	Wireless connection 1
Adresse IP (v4)	192.168.1.104 (v4)
Passerelle IP (v4)	192.168.1.1
Masque IP (v4)	192.168.1.0/24
DNS	192.168.1.1
Port default	8080
Etat	Actif

Détails de l'appareil

Nom	AP01
Adresse MAC	98:08:36:47:F1:06
Connexion	Couplée
Etat	Actif
Vitesse	100
Opérateur	100%

Méthode d'IP

☒ Auto (DHCP) ☐ Manuelle

DNS

ANNULER

Connectivity this function allows you to check the cloud connection.

Version view the firmware version of your Area Manager.

Factory reset if you need to move an Area Manager to another site, or as a last resort in the event of a technical problem, you can reset your Area Manager to its factory settings.

Soft reset :

Voulez-vous réinitialiser cet Area Manager aux paramètres d'usine ?

Réinitialisation logicielle

- Réinitialisation du cache local
- Réinitialisation du cloud
- Réinitialisation subscriptions

☐ Oui, je veux réinitialiser l'Area Manager aux paramètres d'usine de façon irréversible

ANNULER

RÉINITIALISER

Hard reset :

Voulez-vous réinitialiser cet Area Manager aux paramètres d'usine ?

Réinitialisation matérielle

- Réinitialisation du cache local
- Réinitialisation du cloud
- Réinitialisation subscriptions
- Réinitialisation Zigbee
- Réinitialisation Zwave
- Réinitialisation des réseaux connus

☐ Oui, je veux réinitialiser l'Area Manager aux paramètres d'usine de façon irréversible

ANNULER

RÉINITIALISER

WWW.LEGRAND.FR

MANUAL INTEGRATOR

SUMMARY 43

4.4 SETTING UP THE AREA MANAGER FROM THE WEB APP (CONTINUED)

Synchronisation menu :

As soon as an action is carried out in the Building Manager portal, such as modifying the site structure, creating/modifying/deleting a product or creating a management or energy-saving rule, the Area Manager needs to be synchronised so that the changes can be taken into account. This operation also ensures that the operating logic is loaded locally in the Area Manager and that the building continues to operate correctly even if the Internet network is temporarily lost. This action can be performed either directly from the application by clicking on the **SYNCHRONISE** button in the global view, or pushed from the portal.

Once the action has been confirmed, don't touch anything and wait 3 minutes for the Area Manager to reconfigure itself automatically.



Warning:
Even if a message "Factory reset success ? Please reboot the automation" appears on the screen, please wait 3 minutes!

4.5 SYNCHRONIZATION OF AN AREA MANAGER ON THE PORTAL

- **Synchronising a single Area Manager**to synchronise a single Area Manager, simply :
- Go to the tab **PRODUCTS**
- Access the Area Manager details by clicking on the corresponding line.

My Office			
Lyon, France			
Tableau de bord Paramètres Produits Règles Planificateur Historique Diagnostic			
Rechercher			
Gérer Nouveaux produits			
#	Produit	Site	Propriétés
1	ASR (ASR)	Local technique	ASR1, ASR2, ASR3, ASR4, ASR5, ASR6, ASR7, ASR8, ASR9, ASR10, ASR11, ASR12, ASR13, ASR14, ASR15, ASR16, ASR17, ASR18, ASR19, ASR20, ASR21, ASR22, ASR23, ASR24, ASR25, ASR26, ASR27, ASR28, ASR29, ASR30, ASR31, ASR32, ASR33, ASR34, ASR35, ASR36, ASR37, ASR38, ASR39, ASR40, ASR41, ASR42, ASR43, ASR44, ASR45, ASR46, ASR47, ASR48, ASR49, ASR50, ASR51, ASR52, ASR53, ASR54, ASR55, ASR56, ASR57, ASR58, ASR59, ASR60, ASR61, ASR62, ASR63, ASR64, ASR65, ASR66, ASR67, ASR68, ASR69, ASR70, ASR71, ASR72, ASR73, ASR74, ASR75, ASR76, ASR77, ASR78, ASR79, ASR80, ASR81, ASR82, ASR83, ASR84, ASR85, ASR86, ASR87, ASR88, ASR89, ASR90, ASR91, ASR92, ASR93, ASR94, ASR95, ASR96, ASR97, ASR98, ASR99, ASR100
2	Détecteur de mouvement	Bureau 101	ASR1, ASR2, ASR3, ASR4, ASR5, ASR6, ASR7, ASR8, ASR9, ASR10, ASR11, ASR12, ASR13, ASR14, ASR15, ASR16, ASR17, ASR18, ASR19, ASR20, ASR21, ASR22, ASR23, ASR24, ASR25, ASR26, ASR27, ASR28, ASR29, ASR30, ASR31, ASR32, ASR33, ASR34, ASR35, ASR36, ASR37, ASR38, ASR39, ASR40, ASR41, ASR42, ASR43, ASR44, ASR45, ASR46, ASR47, ASR48, ASR49, ASR50, ASR51, ASR52, ASR53, ASR54, ASR55, ASR56, ASR57, ASR58, ASR59, ASR60, ASR61, ASR62, ASR63, ASR64, ASR65, ASR66, ASR67, ASR68, ASR69, ASR70, ASR71, ASR72, ASR73, ASR74, ASR75, ASR76, ASR77, ASR78, ASR79, ASR80, ASR81, ASR82, ASR83, ASR84, ASR85, ASR86, ASR87, ASR88, ASR89, ASR90, ASR91, ASR92, ASR93, ASR94, ASR95, ASR96, ASR97, ASR98, ASR99, ASR100
3	Prise	Bureau 101	ASR1, ASR2, ASR3, ASR4, ASR5, ASR6, ASR7, ASR8, ASR9, ASR10, ASR11, ASR12, ASR13, ASR14, ASR15, ASR16, ASR17, ASR18, ASR19, ASR20, ASR21, ASR22, ASR23, ASR24, ASR25, ASR26, ASR27, ASR28, ASR29, ASR30, ASR31, ASR32, ASR33, ASR34, ASR35, ASR36, ASR37, ASR38, ASR39, ASR40, ASR41, ASR42, ASR43, ASR44, ASR45, ASR46, ASR47, ASR48, ASR49, ASR50, ASR51, ASR52, ASR53, ASR54, ASR55, ASR56, ASR57, ASR58, ASR59, ASR60, ASR61, ASR62, ASR63, ASR64, ASR65, ASR66, ASR67, ASR68, ASR69, ASR70, ASR71, ASR72, ASR73, ASR74, ASR75, ASR76, ASR77, ASR78, ASR79, ASR80, ASR81, ASR82, ASR83, ASR84, ASR85, ASR86, ASR87, ASR88, ASR89, ASR90, ASR91, ASR92, ASR93, ASR94, ASR95, ASR96, ASR97, ASR98, ASR99, ASR100
4	Thermostat bureau 101	Bureau 101	ASR1, ASR2, ASR3, ASR4, ASR5, ASR6, ASR7, ASR8, ASR9, ASR10, ASR11, ASR12, ASR13, ASR14, ASR15, ASR16, ASR17, ASR18, ASR19, ASR20, ASR21, ASR22, ASR23, ASR24, ASR25, ASR26, ASR27, ASR28, ASR29, ASR30, ASR31, ASR32, ASR33, ASR34, ASR35, ASR36, ASR37, ASR38, ASR39, ASR40, ASR41, ASR42, ASR43, ASR44, ASR45, ASR46, ASR47, ASR48, ASR49, ASR50, ASR51, ASR52, ASR53, ASR54, ASR55, ASR56, ASR57, ASR58, ASR59, ASR60, ASR61, ASR62, ASR63, ASR64, ASR65, ASR66, ASR67, ASR68, ASR69, ASR70, ASR71, ASR72, ASR73, ASR74, ASR75, ASR76, ASR77, ASR78, ASR79, ASR80, ASR81, ASR82, ASR83, ASR84, ASR85, ASR86, ASR87, ASR88, ASR89, ASR90, ASR91, ASR92, ASR93, ASR94, ASR95, ASR96, ASR97, ASR98, ASR99, ASR100
5	Détecteur de mouvement	Bureau 102	ASR1, ASR2, ASR3, ASR4, ASR5, ASR6, ASR7, ASR8, ASR9, ASR10, ASR11, ASR12, ASR13, ASR14, ASR15, ASR16, ASR17, ASR18, ASR19, ASR20, ASR21, ASR22, ASR23, ASR24, ASR25, ASR26, ASR27, ASR28, ASR29, ASR30, ASR31, ASR32, ASR33, ASR34, ASR35, ASR36, ASR37, ASR38, ASR39, ASR40, ASR41, ASR42, ASR43, ASR44, ASR45, ASR46, ASR47, ASR48, ASR49, ASR50, ASR51, ASR52, ASR53, ASR54, ASR55, ASR56, ASR57, ASR58, ASR59, ASR60, ASR61, ASR62, ASR63, ASR64, ASR65, ASR66, ASR67, ASR68, ASR69, ASR70, ASR71, ASR72, ASR73, ASR74, ASR75, ASR76, ASR77, ASR78, ASR79, ASR80, ASR81, ASR82, ASR83, ASR84, ASR85, ASR86, ASR87, ASR88, ASR89, ASR90, ASR91, ASR92, ASR93, ASR94, ASR95, ASR96, ASR97, ASR98, ASR99, ASR100
6	Prise	Bureau 102	ASR1, ASR2, ASR3, ASR4, ASR5, ASR6, ASR7, ASR8, ASR9, ASR10, ASR11, ASR12, ASR13, ASR14, ASR15, ASR16, ASR17, ASR18, ASR19, ASR20, ASR21, ASR22, ASR23, ASR24, ASR25, ASR26, ASR27, ASR28, ASR29, ASR30, ASR31, ASR32, ASR33, ASR34, ASR35, ASR36, ASR37, ASR38, ASR39, ASR40, ASR41, ASR42, ASR43, ASR44, ASR45, ASR46, ASR47, ASR48, ASR49, ASR50, ASR51, ASR52, ASR53, ASR54, ASR55, ASR56, ASR57, ASR58, ASR59, ASR60, ASR61, ASR62, ASR63, ASR64, ASR65, ASR66, ASR67, ASR68, ASR69, ASR70, ASR71, ASR72, ASR73, ASR74, ASR75, ASR76, ASR77, ASR78, ASR79, ASR80, ASR81, ASR82, ASR83, ASR84, ASR85, ASR86, ASR87, ASR88, ASR89, ASR90, ASR91, ASR92, ASR93, ASR94, ASR95, ASR96, ASR97, ASR98, ASR99, ASR100
7	Thermostat bureau 102	Bureau 102	ASR1, ASR2, ASR3, ASR4, ASR5, ASR6, ASR7, ASR8, ASR9, ASR10, ASR11, ASR12, ASR13, ASR14, ASR15, ASR16, ASR17, ASR18, ASR19, ASR20, ASR21, ASR22, ASR23, ASR24, ASR25, ASR26, ASR27, ASR28, ASR29, ASR30, ASR31, ASR32, ASR33, ASR34, ASR35, ASR36, ASR37, ASR38, ASR39, ASR40, ASR41, ASR42, ASR43, ASR44, ASR45, ASR46, ASR47, ASR48, ASR49, ASR50, ASR51, ASR52, ASR53, ASR54, ASR55, ASR56, ASR57, ASR58, ASR59, ASR60, ASR61, ASR62, ASR63, ASR64, ASR65, ASR66, ASR67, ASR68, ASR69, ASR70, ASR71, ASR72, ASR73, ASR74, ASR75, ASR76, ASR77, ASR78, ASR79, ASR80, ASR81, ASR82, ASR83, ASR84, ASR85, ASR86, ASR87, ASR88, ASR89, ASR90, ASR91, ASR92, ASR93, ASR94, ASR95, ASR96, ASR97, ASR98, ASR99, ASR100
8	Détecteur multi-capteurs	Espace café	ASR1, ASR2, ASR3, ASR4, ASR5, ASR6, ASR7, ASR8, ASR9, ASR10, ASR11, ASR12, ASR13, ASR14, ASR15, ASR16, ASR17, ASR18, ASR19, ASR20, ASR21, ASR22, ASR23, ASR24, ASR25, ASR26, ASR27, ASR28, ASR29, ASR30, ASR31, ASR32, ASR33, ASR34, ASR35, ASR36, ASR37, ASR38, ASR39, ASR40, ASR41, ASR42, ASR43, ASR44, ASR45, ASR46, ASR47, ASR48, ASR49, ASR50, ASR51, ASR52, ASR53, ASR54, ASR55, ASR56, ASR57, ASR58, ASR59, ASR60, ASR61, ASR62, ASR63, ASR64, ASR65, ASR66, ASR67, ASR68, ASR69, ASR70, ASR71, ASR72, ASR73, ASR74, ASR75, ASR76, ASR77, ASR78, ASR79, ASR80, ASR81, ASR82, ASR83, ASR84, ASR85, ASR86, ASR87, ASR88, ASR89, ASR90, ASR91, ASR92, ASR93, ASR94, ASR95, ASR96, ASR97, ASR98, ASR99, ASR100
9	Thermostat mail	mail	ASR1, ASR2, ASR3, ASR4, ASR5, ASR6, ASR7, ASR8, ASR9, ASR10, ASR11, ASR12, ASR13, ASR14, ASR15, ASR16, ASR17, ASR18, ASR19, ASR20, ASR21, ASR22, ASR23, ASR24, ASR25, ASR26, ASR27, ASR28, ASR29, ASR30, ASR31, ASR32, ASR33, ASR34, ASR35, ASR36, ASR37, ASR38, ASR39, ASR40, ASR41, ASR42, ASR43, ASR44, ASR45, ASR46, ASR47, ASR48, ASR49, ASR50, ASR51, ASR52, ASR53, ASR54, ASR55, ASR56, ASR57, ASR58, ASR59, ASR60, ASR61, ASR62, ASR63, ASR64, ASR65, ASR66, ASR67, ASR68, ASR69, ASR70, ASR71, ASR72, ASR73, ASR74, ASR75, ASR76, ASR77, ASR78, ASR79, ASR80, ASR81, ASR82, ASR83, ASR84, ASR85, ASR86, ASR87, ASR88, ASR89, ASR90, ASR91, ASR92, ASR93, ASR94, ASR95, ASR96, ASR97, ASR98, ASR99, ASR100
10	Compteur smart	Local technique	ASR1, ASR2, ASR3, ASR4, ASR5, ASR6, ASR7, ASR8, ASR9, ASR10, ASR11, ASR12, ASR13, ASR14, ASR15, ASR16, ASR17, ASR18, ASR19, ASR20, ASR21, ASR22, ASR23, ASR24, ASR25, ASR26, ASR27, ASR28, ASR29, ASR30, ASR31, ASR32, ASR33, ASR34, ASR35, ASR36, ASR37, ASR38, ASR39, ASR40, ASR41, ASR42, ASR43, ASR44, ASR45, ASR46, ASR47, ASR48, ASR49, ASR50, ASR51, ASR52, ASR53, ASR54, ASR55, ASR56, ASR57, ASR58, ASR59, ASR60, ASR61, ASR62, ASR63, ASR64, ASR65, ASR66, ASR67, ASR68, ASR69, ASR70, ASR71, ASR72, ASR73, ASR74, ASR75, ASR76, ASR77, ASR78, ASR79, ASR80, ASR81, ASR82, ASR83, ASR84, ASR85, ASR86, ASR87, ASR88, ASR89, ASR90, ASR91, ASR92, ASR93, ASR94, ASR95, ASR96, ASR97, ASR98, ASR99, ASR100
11	Compteur total	Local technique	ASR1, ASR2, ASR3, ASR4, ASR5, ASR6, ASR7, ASR8, ASR9, ASR10, ASR11, ASR12, ASR13, ASR14, ASR15, ASR16, ASR17, ASR18, ASR19, ASR20, ASR21, ASR22, ASR23, ASR24, ASR25, ASR26, ASR27, ASR28, ASR29, ASR30, ASR31, ASR32, ASR33, ASR34, ASR35, ASR36, ASR37, ASR38, ASR39, ASR40, ASR41, ASR42, ASR43, ASR44, ASR45, ASR46, ASR47, ASR48, ASR49, ASR50, ASR51, ASR52, ASR53, ASR54, ASR55, ASR56, ASR57, ASR58, ASR59, ASR60, ASR61, ASR62, ASR63, ASR64, ASR65, ASR66, ASR67, ASR68, ASR69, ASR70, ASR71, ASR72, ASR73, ASR74, ASR75, ASR76, ASR77, ASR78, ASR79, ASR80, ASR81, ASR82, ASR83, ASR84, ASR85, ASR86, ASR87, ASR88, ASR89, ASR90, ASR91, ASR92, ASR93, ASR94, ASR95, ASR96, ASR97, ASR98, ASR99, ASR100

4.5 SYNCHRONISING AN AREA MANAGER ON THE PORTAL (CONTINUED)

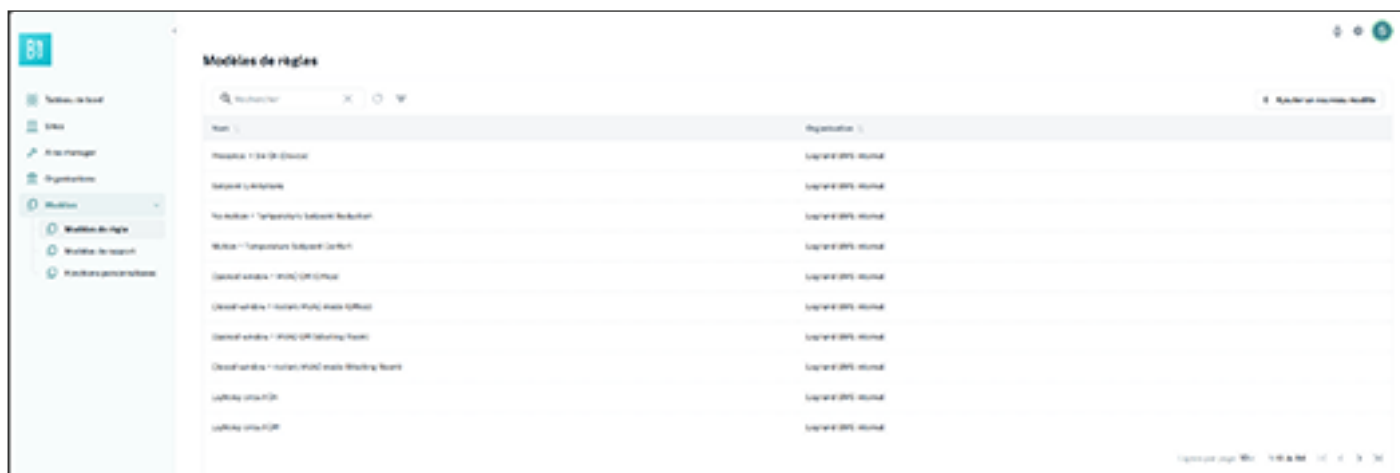
On the Area Manager details page, click on the icon at the top right of the page to synchronise:



5. RULES MANAGEMENT

5.1 CREATION OF A RULES MODEL

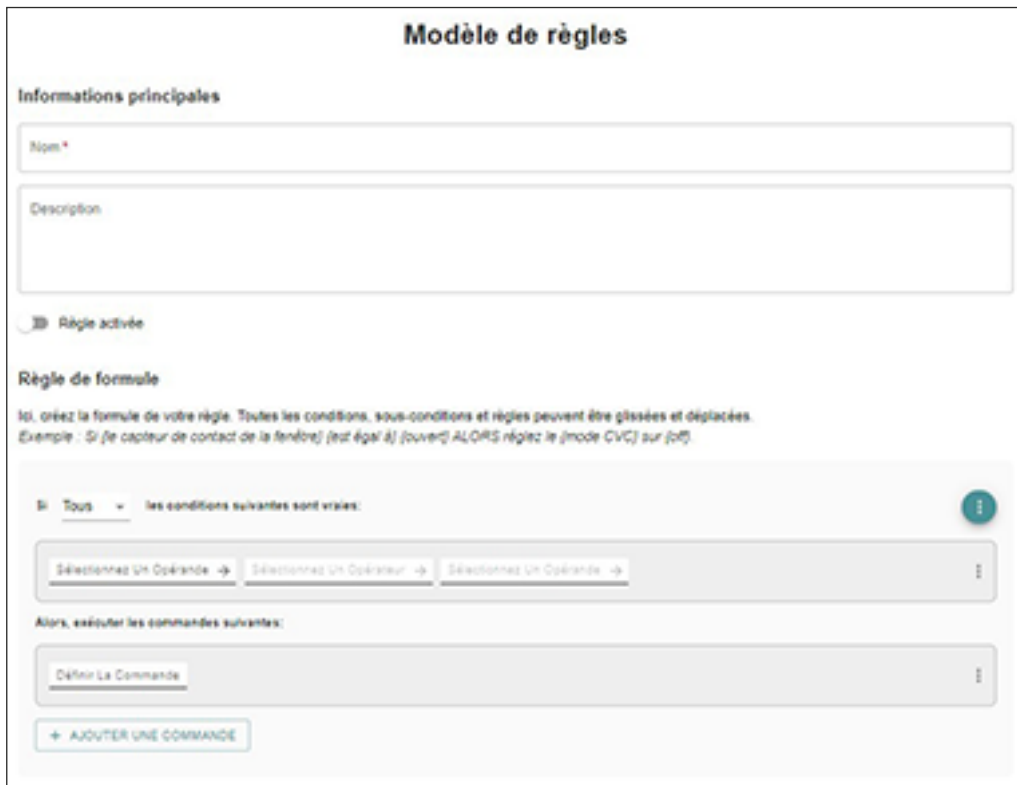
A rules template is a common template that can be used and assigned to several sites. To access it, simply go from the main menu of the integrator area to [Modèles](#) then [Modèles de règles](#)



5.1 CREATION OF A RULES MODEL (CONTINUED)

This is where you will find all the templates you have created for use on the various customer sites. This is your rules library.

Click on  at the top right of the screen to create a new template.



The screenshot shows a web form titled "Modèle de règles". It has two main sections: "Informations principales" and "Règle de formule".

Informations principales

- A text input field for "Nom" (Name) with a red asterisk indicating it is required.
- A larger text input field for "Description".
- A radio button labeled "Règle activée" (Rule activated).

Règle de formule

ici, créez la formule de votre règle. Toutes les conditions, sous-conditions et règles peuvent être glissées et déplacées.
Exemple : Si (le capteur de contact de la fenêtre) (est égal à) (ouvert) ALORS réglez le (mode CVC) sur (off).

Si **Tous** les conditions suivantes sont vraies:

Below this, there is a horizontal container with three placeholder boxes, each containing the text "Sélectionnez Un Opérateur" and a right-pointing arrow. A small "x" icon is on the right side of the container.

Alors, exécutez les commandes suivantes:

Below this, there is a horizontal container with one placeholder box containing the text "Définir La Commande". A small "x" icon is on the right side of the container.

At the bottom, there is a button labeled "+ AJOUTER UNE COMMANDE".

A creation pop-up will open, allowing you to :

1. Enter the name of the template
2. Write a description
3. Define the logic of your rule.

The name can be changed later when it is assigned to the site, so it is advisable to be as generic as possible.

Here are some examples :

- Window Open – HVAC Shutdown (rule used to shut down the HVAC system when a window is open),
- Window Closed – HVAC Restart (rule to return the HVAC system to the mode it was in before the window was opened).

When you are assigned to a site, you can customise the name of the rule by writing, for example:

- Window Open – HVAC Off | Training Room
- Window Open – HVAC Off | Management Office

This will make it easier to identify the location where the rule will be applied.

5.1.1 THE STRUCTURE IN GENERAL

The structure is defined by a succession of conditions, followed by a succession of commands to be triggered if the conditions are true.

In terms of conditions, you can :

- Pass conditions as "AND/ALL" (all conditions must be true),
- Convert conditions to "OR/One" (only one condition must be true),
- Add/delete conditions,
- Add subconditions,
- Move conditions up or down to modify the logical order (hierarchy).

To add a condition or sub-condition, click on  :

Modèle de règles

Informations principales

Nom *

Description

☒ Règle activée

Règle de formule

ici, créez la formule de votre règle. Toutes les conditions, sous-conditions et règles peuvent être glissées et déplacées.
Exemple : Si le capteur de contact de la fenêtre (est égal à) (ouvert) ALORS réglez le (mode CVC) sur (off).

Si Tous les conditions suivantes sont vraies:

Sélectionnez Un Opérande
Sélectionnez Un Opérateur
Sélectionnez Un Opérande

Ajouter une condition

Ajouter une sous condition

Alors, exécuter les commandes suivantes:

Définir La Commande
|

+ AJOUTER UNE COMMANDE

5.1.1 THE STRUCTURE IN GENERAL (CONTINUED)

By clicking on the condition or sub-condition headers, you can modify the condition operator (AND/OR) at any level of the logical chain hierarchy:

The screenshot displays a configuration window for a logical chain. At the top, it says "Si Tous les conditions suivantes sont vraies:" with a dropdown menu set to "Tous". Below this, there are two rows of conditions, each enclosed in a light gray box with a "..." button on the right. The first row contains "Contact Sensor" followed by an arrow, "Egal (=)" followed by an arrow, and "Open". The second row contains "Sélectionnez Un Opérande" followed by an arrow, "Sélectionnez Un Opérateur" followed by an arrow, and "Sélectionnez Un Opérande". To the left of these rows is a bracket labeled "Et". Below the conditions, it says "Alors, exécuter les commandes suivantes:". There is one row of commands, also in a light gray box with a "..." button on the right, containing "Définir La Commande". At the bottom left, there is a button labeled "+ AJOUTER UNE COMMANDE".

5.1.2 DEFINE THE TYPE OF OPELANDER

Once the combinatorial logic has been set up, a selection of operands and logical operators allows you to set up your different conditions to be checked. To begin, click on **Sélectionnez un opérande** in one of your lines.

The screenshot shows a dialog box titled "Sélectionnez un opérande" with a close button (X) in the top right corner. Inside the dialog, it says "Choisir le type d'opérande". Below this, there are four buttons: "Produit", "Propriété de l'emplacement", "Date & heure", and "Fonction". At the bottom right, there are two buttons: "RÉINITIALISER" and "VALIDEZ LA COMMANDE".

We can work with :

- A product,
- A location property,
- A notion of date and time

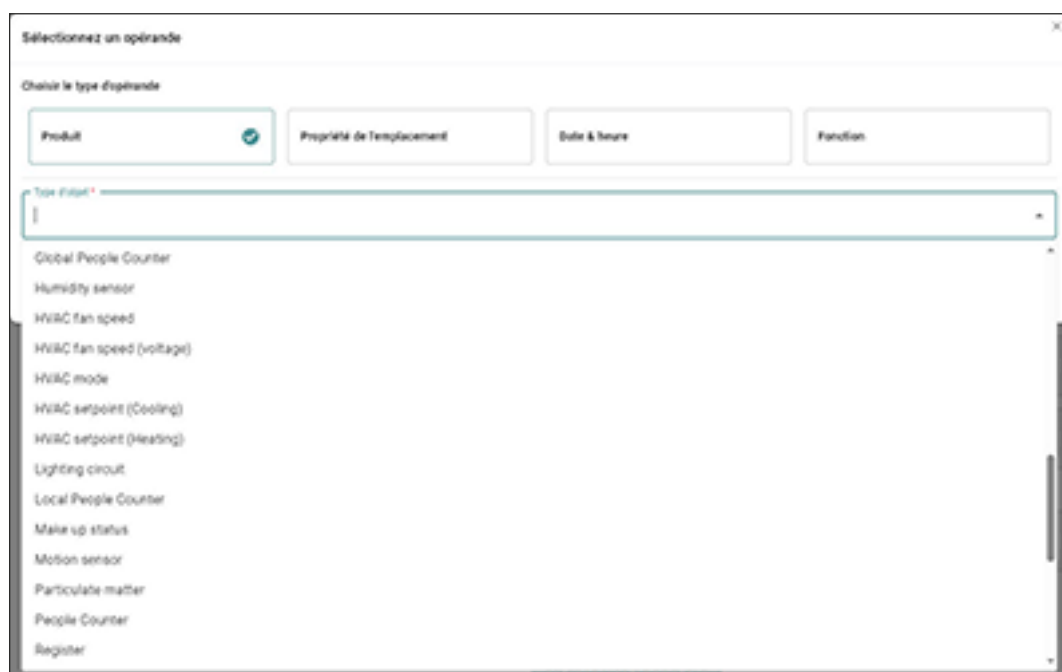
Click on **VALIDEZ LA COMMANDE**

5.1.2 DEFINE THE TYPE OF OPELANDER (CONTINUED)

▪ **Product**

Here you will find all the properties of the products in the ecosystem:

- HVAC Setpoint Cooling
- Switch
- Temperature sensor
- Windows contact sensor
- Etc.



- Product: Compare the value of a property of product A with the same property of product B,
- Value: check the state/value of a particular product property.

Example :

To check whether the state of a window is equal to "open":

- In the first Operand box (on the left), select "Object type" -> Window contact sensor,
- In the "Equal" operator, see the operator section,
- In the 3rd square, right operand, select "Value" -> Open.

▪ **Location properties**

Here you will find all the properties of the ecosystem's locations:

- Occupied
- Door open
- Window open
- Etc.

We can check the status/value of a location property.

5.1.2 DEFINE THE TYPE OF OPELANDER (CONTINUED)

Example :

To check whether at least one window is open in the location:

- In the first "Operand" square (on the left), select "Location property" → Window open,
- In the "Operator", select the value "Equal" (see the Operators section),
- In the 3rd square, "Operand" on the right, select "Value" → Yes.

As a reminder, when working on a location property, from the moment you have a window open, then the location property is true. However, to check that they are closed, all the windows associated with the location must be closed.

▪ Date & Time

To create time conditions, you can work directly on a notion of time in order to create a time schedule.

In the operand on the right, select whether you are working with minutes, hours, days, years, months, etc. And insert the appropriate information.

Example :

Check a condition if it is after 7pm:

- In the first operand square (on the left), click on "Date & Time".
- Select the operator (>, = or <)
- In the operand on the right, select "time" with the value 19:00 (hh:mm).

Note:

For more complex rule scheduling, use the scheduler (see Rule Scheduler section).

5.1.3 DEFINING THE OPERATOR

Once the first "operand" has been chosen, click on "Select an operator" to choose the comparator:

▪ Classical operators

The various classic logical operators can be selected from the list:

- Equal,
- Different,
- Greater,
- Less,
- Greater than or equal to,
- Less or equal.

5.1.3 DEFINING THE OPERATOR (CONTINUED)

For each of the classic operators, additional options allow you to include a certain notion of time:

The "Minimum validity period" option:

Allows you to check whether the value of the product has remained the same for x seconds.

Example: Have the windows been open for more than 30 seconds?

- Set left operand to zone or product → Object type → Window contact sensor,
- Set the operator to "Equal" and insert "30" at the "Minimum validity time" level,
- Set right operand to Value → Open.

30"					
-----	--	--	--	--	--

▪ Specific operators

You can also choose 2 more specific concepts:

Modified at least N times:

This means checking whether a property has changed at least N times since this rule was last triggered.

- Click on **VALIDEZ L'OPÉRATEUR**,

- In the right-hand operand, define "N".

Note:

You can also check whether a product property has changed, for example a window has not changed value in one morning. To do this, simply set "N" to 0.

5.1.3 DEFINING THE OPERATOR (CONTINUED)

Changed a maximum of N times:

In other words, check whether a property has changed a maximum of N times since this rule was last triggered.

- Click on **VALIDEZ L'OPÉRATEUR**,
- In the operand on the right, define the "N".

5.1.4 COMMAND TRIGGER

Triggering an order enables one or more actions to be carried out once the conditions defined above have been met, such as triggering a product and sending a notification.

You can modify the order and/or delete an order by clicking on .

Règle de formule

ici, créez la formule de votre règle. Toutes les conditions, sous-conditions et règles peuvent être glissées et déplacées.
Exemple : Si (le capteur de contact de la fenêtre) (est égal à) (ouvert) ALORS réglez le (mode CVC) sur (off).

Si Tous les conditions suivantes sont vraies:

Sélectionnez Un Opérande → Egal (=) →

Et

Sélectionnez Un Opérande → Sélectionnez Un Opérateur → Sélectionnez Un Opérande

Et Si Tous les conditions suivantes sont vraies:

Sélectionnez Un Opérande → Sélectionnez Un Opérateur → Sélectionnez Un Opérande

Alors, exécuter les commandes suivantes:

Définir La Commande

Définir La Commande

+ AJOUTER UNE COMMANDE

CRÉER LE MODÈLE DE RÈGLE

Different types of order can be defined by the following actions:

- Trigger a product,
- Store the value of a product,
- Send user reports,
- Block/unblock one or more rules.

5.1.4 COMMAND TRIGGER (CONTINUED)

Délai

 secondes

☒ Répéter le déclenchement de produit

Pause de répétition *

 secondes

Rule execution management :

À once the rule's conditions have been met, it becomes "triggered".

there are 3 possible options:

- The command is executed directly (delay set to 0),
- The command is executed with a delay in seconds defined in the model (delay other than 0),
- The command is repeated as long as the rule is triggered/true ("repeat" box ticked).

Note:

Commands are executed only once and will be re-executed when the rule conditions change back to "false" and then back to "true". If the "Repeat device triggering" box is ticked, the commands will be executed several times.

▪ Trigger product

The "Trigger a product" command is used to select any controllable property of the ecosystem (switch, HVAC mode, set point, fan speed, flag ...) and to change its state.

Nouvelle commande

Veuillez choisir un type de commande

Déclenchement de produit ☒
 Stockage de valeur de produit
 Rapport
 Blocage de règle

Type d'objet *

Switch

Action *

|

Switch off
 Switch on

Type de valeur

☒ Fixe
 ☐ Basé sur une fonction

Délai

 secondes

☐ Répéter le déclenchement de produit

RÉINITIALISER

VALIDER LA COMMANDE

5.1.4 COMMAND TRIGGER (CONTINUED)

Once selected, you must :

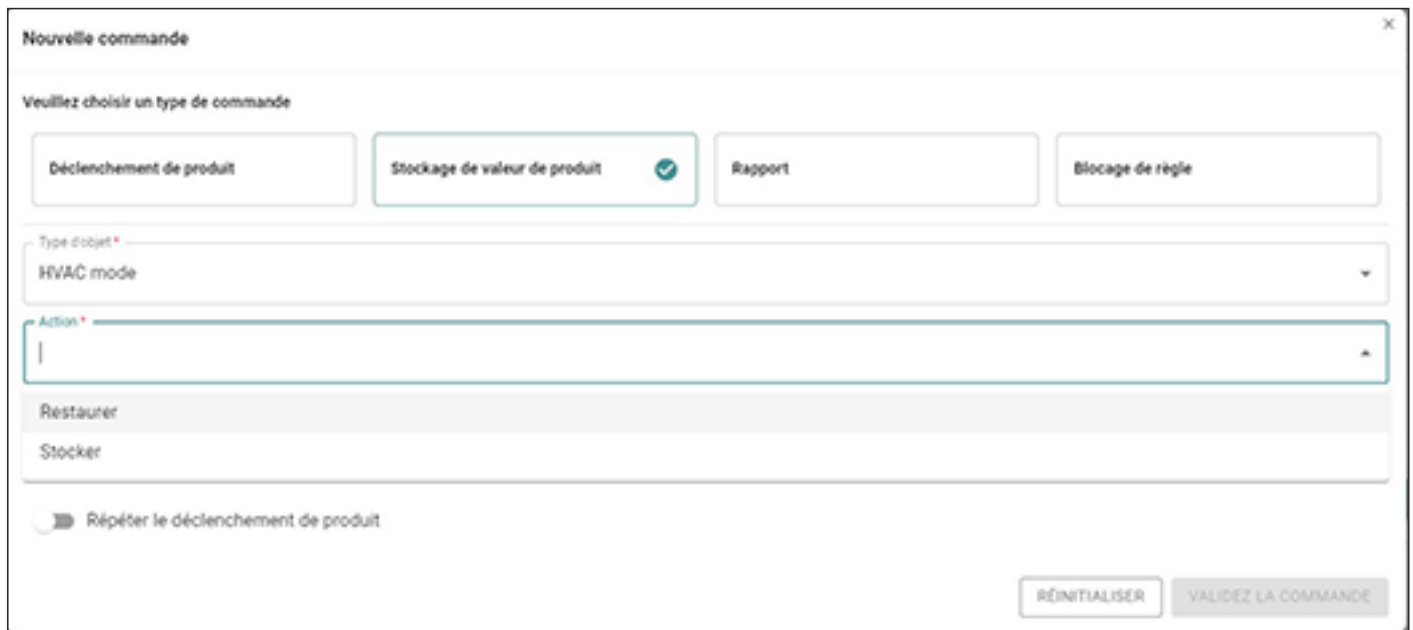
- Define the object type (HVAC Mode, switch ...),
- Define the action (depending on the type of object, for example a set Mode, switch ON/OFF ...),
- Define the value (ON, OFF, Cooling Heating...). This will depend on the type of object and the action selected),
- Click on **VALIDEZ LA COMMANDE**.

▪ Store Value

The store value command is used to store the state of a product, so that it can be restored when required, for example when you want to switch off the HVAC system if windows are open. Before switching off the HVAC, we will store the mode it was in so that we can restore it when the windows are closed.

Once the store value command has been selected :

- Define the object type (HVAC Mode, switch ...),
- Define action, store or restore,
- Define the delay option if required,
- Click on **VALIDEZ LA COMMANDE**.



▪ Report

The report command is used to send a customisable user report template which will be visible on the mobile application.

Once the report command has been selected, simply :

- Select the report template,
- Define the delay option if required.

5.1.4 COMMAND TRIGGER (CONTINUED)

Nouvelle commande

Veuillez choisir un type de commande

Déclenchement de produit

Stockage de valeur de produit

Rapport

Blocage de règle

Modèle de rapport *

Délai

0

secondes

☐ Répéter le déclenchement de produit

Réinitialiser

Validez la commande

▪ Block rule

The Block rule command is used to "block" and "unblock" a rule according to certain predefined conditions.

Nouvelle commande

Veuillez choisir un type de commande

Déclenchement de produit

Stockage de valeur de produit

Rapport

Blocage de règle

Action *

Pour *

secondes

Délai

0

secondes

☐ Répéter le déclenchement de produit

Réinitialiser

Validez la commande

5.1.4 COMMAND TRIGGER (CONTINUED)

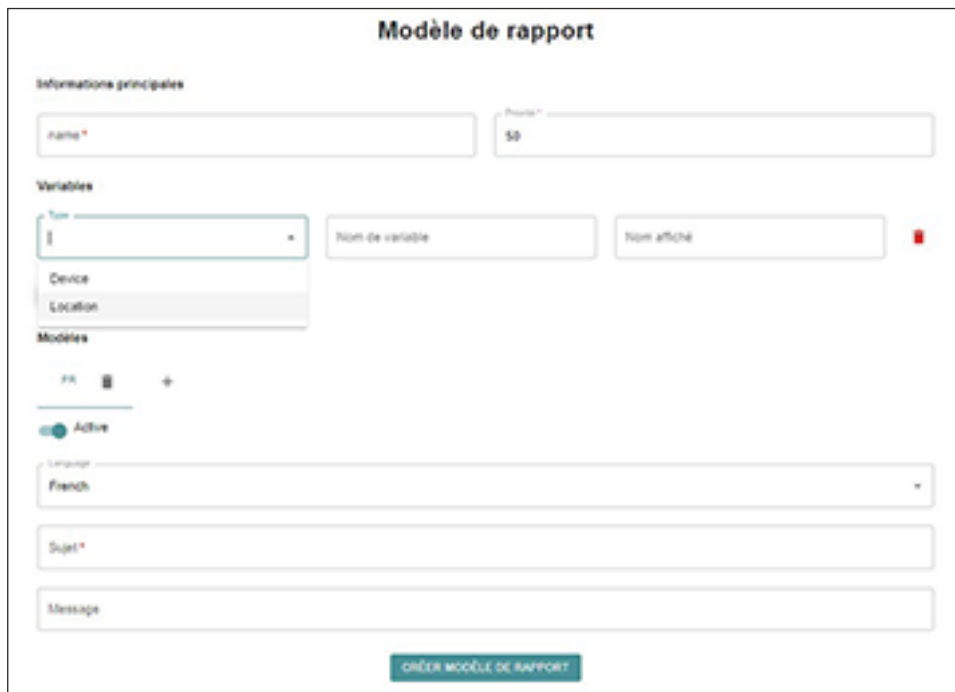
- Action: Block and Unblock,
- For: blocking/unblocking time.

5.2 REPORT MODELS

In order to use report templates in the rules, a report template must first be created.

User report templates can be used to create customisable message bodies to be sent to the Building + Manager mobile application.

Go to the report template creation menu and click on  to create one:



The screenshot shows a web form titled "Modèle de rapport". It contains several sections: "Informations principales" with fields for "name" and "Priority" (set to 50); "Variables" with a dropdown menu showing "Device" and "Location", and fields for "Nom de variable" and "Nom affiché"; "Modèles" with a toggle switch set to "Active"; and a "Langage" dropdown set to "French". At the bottom, there are fields for "Sujet" and "Message", and a green button labeled "CRÉER MODÈLE DE RAPPORT".

5.2 REPORT MODELS (CONTINUED)

On this screen, you can assign a name, a priority index, define variables that will take the name of the product or location concerned by the alert, and define the body of the message with a multi-language option:

Modèle de rapport

Informations principales

name: Fenêtre ouverte

Priority: 50

Variables

Type	Nom de variable	Nom affiché
Device	capteur	produit
Location	bureau	emplacement

Modèles

FR

Active

Langue: French

Super: Fenêtre ouverte

Message: {{capteur.name}} dans l'emplacement {{bureau.name}} est ouverte

CRÉER MODÈLE DE RAPPORT

It is possible to create a general message, which, depending on the site attached, will take into account the name of the right product as well as the location. To do this, simply :

- Click on the in Variables,
- Define the Type: Product or Location,
- Define the Variable Name,
- Define the Name displayed when you want to assign the rule to a site,
- In the body of the message, write the following syntax: {{Variable name.name}} or in this example, the relevant sensor: {{device.name}}. Depending on the site, this will give the correct product name.

5.3 ASSIGNMENT AND MANAGEMENT OF RULES ON THE SITE

To assign a rule defined in our library to a particular site, simply :

- Go to  **Sites**
- Select the desired site,
- Go to the tab **RÈGLES**



This is where you can :

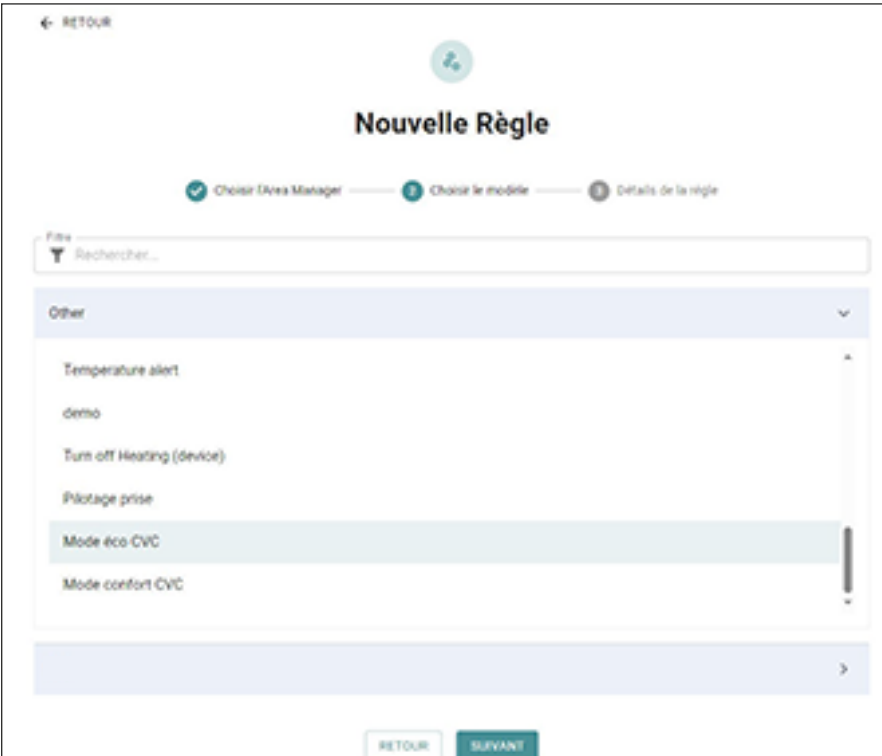
- View the various rules associated with the site,
- View which Area Manager the rule is associated with,
- Manage their ON or OFF status
- Add new rules by clicking on 
- View details by clicking on the desired line (History of rule activity),
- Modify an existing rule by accessing its details.

5.3 ASSIGNMENT AND MANAGEMENT OF RULES ON THE SITE (CONTINUED)

Once you have clicked on  you must :

- Enter the floor of the Area Manager you are looking for,
- Select the single Area Manager you want,
- Select the rule you wish to assign,
- Select the products associated with this rule.

Note:
Only one rule template can be assigned at a time.


Please note:

For the rules created and active to be taken into account, don't forget to synchronise the Area Manager concerned (see Area Manager synchronisation section).

5.4 ASSIGNMENT OF MASS RULES

One or more rule templates can be assigned en masse to one or more Area Managers: see *chapter Grouped creation and management, section Rules*.

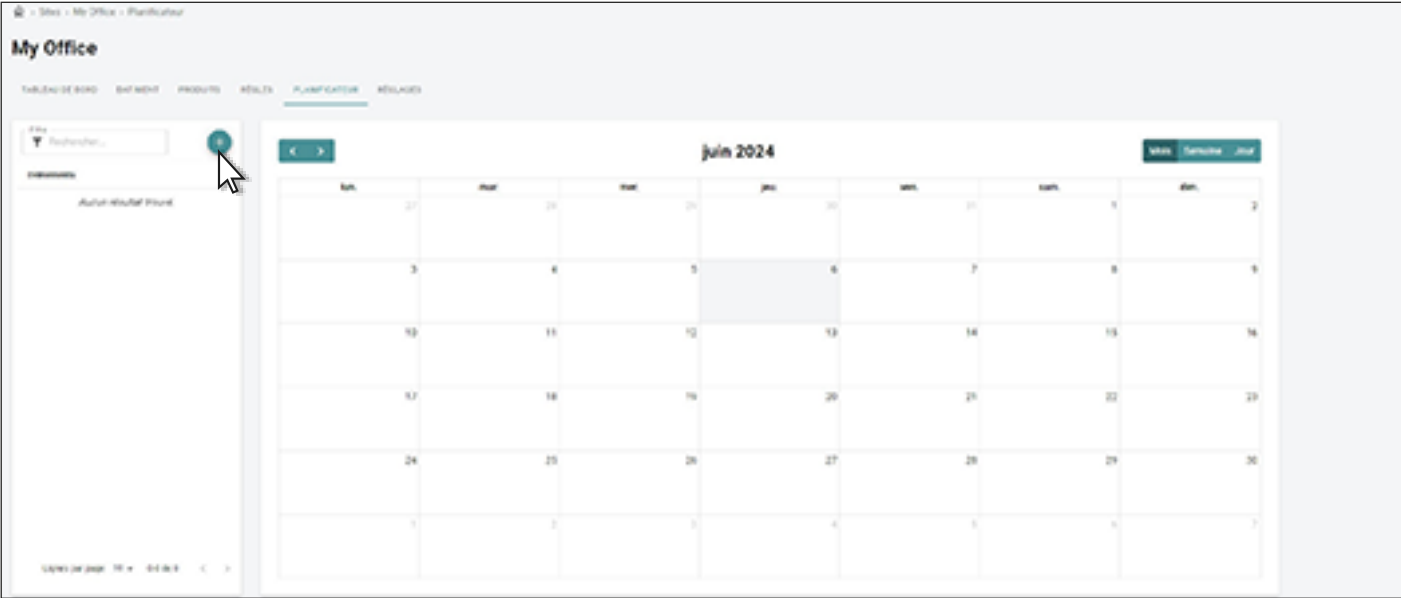
5.5 RULES PLANNER

As mentioned in the Date and Time section (see section *Defining the operand type*), the rule scheduler can be used to schedule the activation/deactivation of rule execution.

Remember: only rules with the "Default inactive rule" box ticked can be scheduled.

To do this, when you are on a site, click on the **PLANIFICATEUR**.

Then create events to schedule the activation and/or deactivation of a rule by clicking on **+** to the right of "Events":



The following window appears:

Nouvel évènement

Informations Principales

Nom *

Jour de la semaine Mois Jour Semaine

Date de début Date de fin Début Fin

Exclusions

Règles

Toutes les règles sélectionnées seront activées/désactivées et écraseront la sélection de modèles de règles ci-dessus.

Activer (0) [Settings icon]

Désactiver (0) [Settings icon]

5.5 RULES PLANNER (CONTINUED)

The following fields must be completed (only fields with a * are compulsory):

- **Name*** name of the event,
- **Day of week** used to select the days on which the event is applicable,
- **Month** month: Used to select the months to which the event applies,
- **Day** u2022] Day: Used to select the N° of days to which the event applies,
- **Week** week: Allows you to select the N° of weeks over which the event applies,
- **Start date*** used to select the day on which the event starts,
- **End date** used to select the day on which the event ends.
- **Start time*** used to select the time at which the event starts.
- **End time*** used to select the time at which the event ends.
- **Exclusions** in the "Exclusions" section, you can indicate one or more periods for which the event will not apply (Day of the week, Month, Day and Week affected by the exclusion).

- **Rules** allows you to select the rules that will be activated and/or deactivated over the period of the event created.

Click on

5.5 RULES PLANNER (CONTINUED)

Règle(s) à activer

Disponible

1/3 selected

Pilotage prise - Office 101

☒

Mode éco CVC - Accueil

☐

Mode confort CVC - Accueil

☐

Sélectionné

0/0 selected

SAUVEGARDER

Règle(s) à activer

Disponible

0/2 selected

Mode éco CVC - Accueil

☐

Mode confort CVC - Accueil

☐

Sélectionné

0/1 selected

Pilotage prise - Office 101

☐

SAUVEGARDER

When you have finished, click **SAUVEGARDER** to validate the rule schedule.
The scheduled events will then appear in the events banner and in the calendar view. Scheduled events can be modified, duplicated and deleted by clicking on .

My Office

TABLÉAU DE BORD

BÂTIMENT

PRODUITS

RÈGLES

PLANIFICATEUR

RÉGLAGES

Rechercher...

Evénements

Extinction prise

Heures de travail

Heures terminées

juin 2024

Mois

Semaine

Jour

lun.	mar.	mer.	jeu.	ven.	sam.	dim.
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1
2	3	4	5	6	7	8



Please note:
For the rules created and active to be taken into account, don't forget to synchronise the Area Manager concerned (see Area Manager synchronisation section).

5.5 RULES PLANNER (CONTINUED)

When a rule has been triggered (in this case, the air conditioning was switched off when the window was opened), information about the last time the rule was executed will be displayed, along with the history of its execution.

My Office

TABLER DE BORD | EQUIPEMENT | PRODUITS | RÈGLES | PLANIFICATION | RÉGLAGES

Rechercher...

100%

ID	Nom	Area Manager	Description de l'activation	Statut	
A1	Mode éco CVC				
1	Mode éco CVC - Accueil	IA0101 - Local technique	IA010101 - Supplément	ON	⚠️ Actuellement activé par le planning
A1	Mode confort CVC				
1	Mode confort CVC - Accueil	IA0101 - Local technique	IA010101 - Supplément	ON	⚠️ Actuellement activé par le planning
A1	Gérezage température de confort				
1	Gérezage température de confort - Niveau de travail	IA0101 - Local technique	21 - Profils - Supplément	ON	⚠️ Actuellement activé par le planning
1	Gérezage température de confort - Niveau de repos	IA0101 - Local technique		ON	🔵 Planifier avec une fréquence
A1	IA - Déclenchement horaire				
1	IA - Déclenchement horaire - Affichage prior	IA0101 - Local technique	13 - Horaires - Supplément	ON	🕒 Non géré par le planning
1	IA - Déclenchement horaire - Affichage prior	IA0101 - Local technique	21 - Horaires - Supplément	ON	🕒 Non géré par le planning

Signes par page 100 19 de 19

Activité

1

IA010101 - Supplément - Accueil - Mode éco CVC - Accueil

2

IA010101 - Supplément - Accueil - Mode confort CVC - Accueil

3

IA010101 - Supplément - Accueil - Mode éco CVC - Accueil

4

IA010101 - Supplément - Accueil - Mode confort CVC - Accueil

5

IA010101 - Supplément - Accueil - Mode éco CVC - Accueil

6

IA010101 - Supplément - Accueil - Mode confort CVC - Accueil

7

IA010101 - Supplément - Accueil - Mode éco CVC - Accueil

8

IA010101 - Supplément - Accueil - Mode confort CVC - Accueil

9

IA010101 - Supplément - Accueil - Mode éco CVC - Accueil

10

IA010101 - Supplément - Accueil - Mode confort CVC - Accueil

11

IA010101 - Supplément - Accueil - Mode éco CVC - Accueil

12

IA010101 - Supplément - Accueil - Mode confort CVC - Accueil

13

IA010101 - Supplément - Accueil - Mode éco CVC - Accueil

14

IA010101 - Supplément - Accueil - Mode confort CVC - Accueil

15

IA010101 - Supplément - Accueil - Mode éco CVC - Accueil

16

IA010101 - Supplément - Accueil - Mode confort CVC - Accueil

17

IA010101 - Supplément - Accueil - Mode éco CVC - Accueil

18

IA010101 - Supplément - Accueil - Mode confort CVC - Accueil

19

IA010101 - Supplément - Accueil - Mode éco CVC - Accueil

20

IA010101 - Supplément - Accueil - Mode confort CVC - Accueil

You will also find this information in the properties of products that have been triggered by a rule, as opposed to a manual trigger.

Mode éco CVC - Accueil

Règle Mode éco CVC - Accueil

Opéré par IA0101 - Local technique

Statut ON

Actions

ON

OFF

Page de temps

Aujourd'hui

De 06/07/2024 00:00

À 06/07/2024 23:59

MISE À JOUR

Échelle

Mode éco CVC - Accueil

06/07 00:00 06/07 06:00 06/07 12:00 06/07 18:00

06/07 00:00 06/07 06:00 06/07 12:00 06/07 18:00

Recherche

Rechercher...

Table

Date

Valeur

06/07/2024 11:00:16

Déclenché

06/07/2024 12:02:45

Déclenché

06/07/2024 11:06:30

Déclenché

06/07/2024 11:02:16

Déclenché

06/07/2024 07:14:20

Déclenché

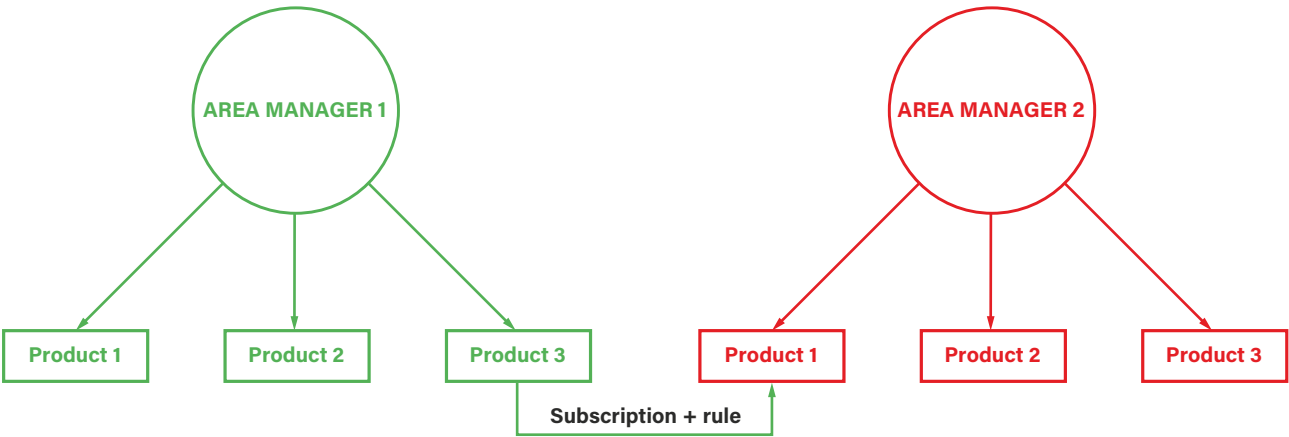
Signes par page 10 1 de 5

Warning:
For the rules created and active to be taken into account, don't forget to synchronise the Area Manager concerned (see section Area Manager synchronisation).

6. SUBSCRIPTION

6.1 PRODUCTS

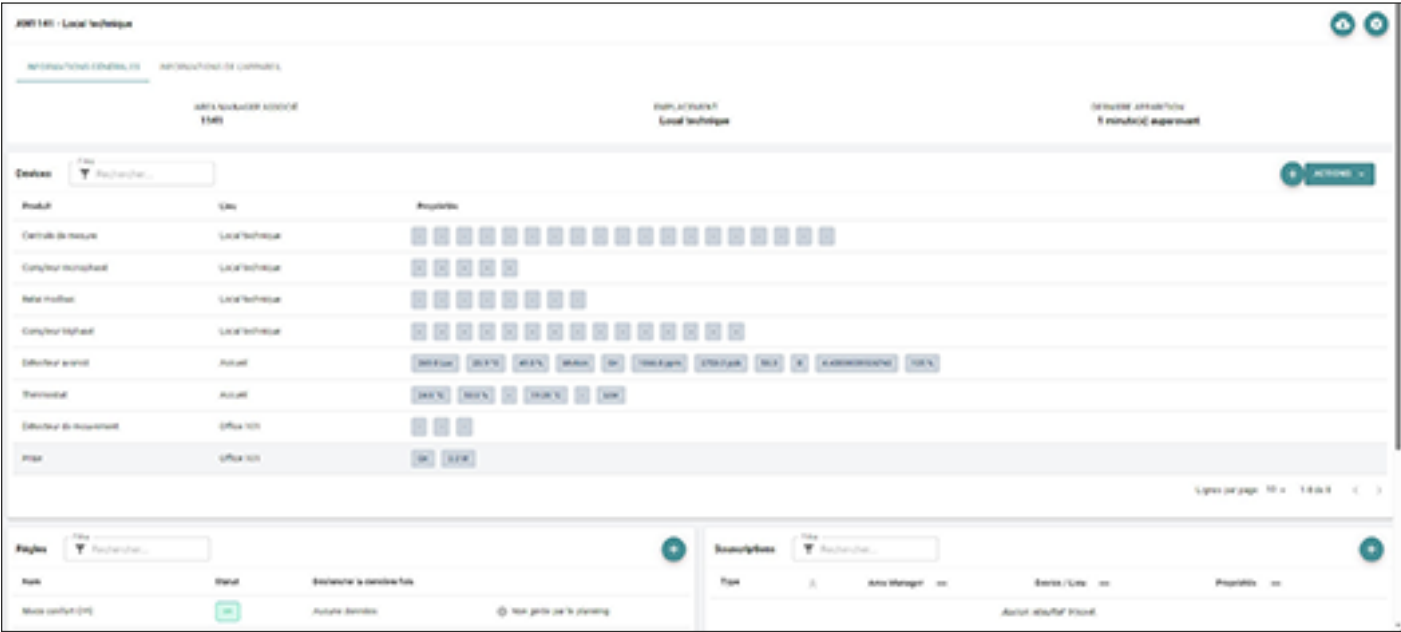
In some cases, it may be necessary to be able to retrieve product parameters linked to an Area Manager in order to use them in a rule (in a condition or sub-condition) which will affect the order of one or more other products linked to another Area Manager.



Here, we want a parameter in product 3 (Hvac_mode of a thermostat) linked to Area Manager 1 to change a parameter in product 1 (control of a switch) linked to Area Manager 2.

To do this

- Create a subscription from Area Manager 2 for the parameter of product 3 linked to Area Manager 1;
 - 1) Click on the tab **PRODUITS**
 - 2) Click on the Area Manager 2 line,
The Area Manager 2 details appear:



6.1 PRODUCTS (CONTINUED)

3) Then click on  next to "Subscription":



- **Floor** select the level on which the product to be underwritten is located,
- **Area Manager** select the Area Manager to which the product to be subscribed is linked,
- **Product** select the product to subscribe to,
- **Properties** select the parameter(s) to subscribe to. The parameters will depend on the product subscribed to,
- Click on **ENREGISTRER LA SOUSCRIPTION** to validate the subscription.

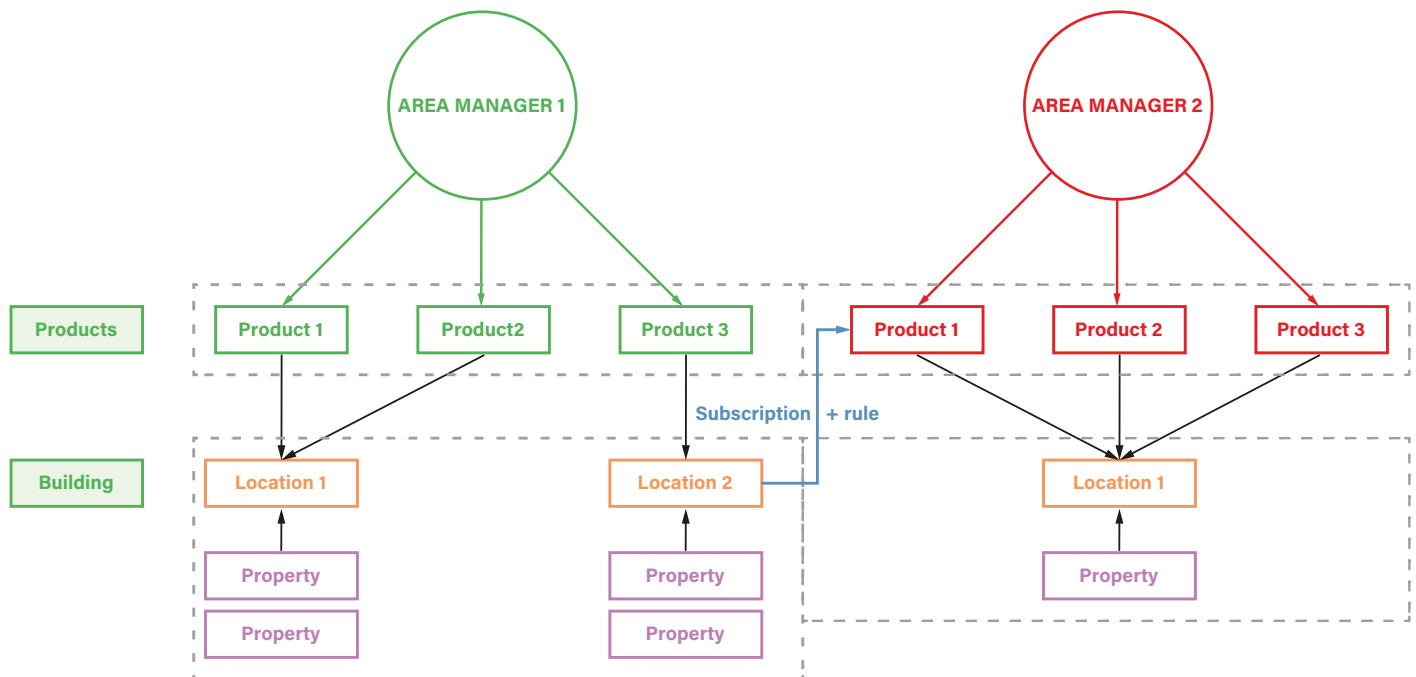
You will see an overview of active subscriptions in the right-hand section of the Area Manager "Subscription" details.

Souscriptions Filtre Rechercher... +				
Type	Area Manager	Device / Lieu	Propriétés	
Devices (1)				
>	Area Manager - 1563	Multicast broadcast test	Eclairage	Présence

Once we've completed the subscription stage, we can now use the parameter of the product we've subscribed to in a rule as a condition or sub-condition.

6.2 LOCATIONS

In some cases, it may be necessary to be able to retrieve location properties linked to an Area Manager in order to use them in a rule associated with another Area Manager.



Here, we want property 1 of location 2 linked to Area Manager 1 to change the property of product 1 linked to Area Manager 2.

To do this

- From Area Manager 2, create a subscription for slot 1 linked to Area Manager 1;
 - Click on the tab **PRODUITS**
 - Click on the line for Area Manager 2,
 - The details for Area Manager 2 appear.
 - Then click on  next to "Subscription":

Nouvelle souscription

Type de souscription

Produit Emplacement ☒

Information générale

Nom Niveau 1

Emplacement Halle

ENREGISTRER LA SOUSCRIPTION

6.2 LOCATIONS (CONTINUED)

- **Floor** select the floor,
- **Location** select the location to subscribe to,
- Click on **ENREGISTRER LA SUBSCRIPTION**.

By default, by subscribing to the location, you will have access to all the properties of the location, as well as a view of active subscriptions in the right-hand section of the Area Manager "Subscription" details.

Having completed the subscription stage, you can now use the subscribed location property in a rule as a condition or sub-condition.

Once the rule template has been created :

- 1) Click on the tab **PRODUITS**
- 2) Click on the desired line next to Area Manager 2,
- 3) Click on  in the "Rule" box
- 4) Select the previously created rule (see section Assigning a simple rule)
- 5) Select the subscribed location operand, then "Validate the command".
- 6) Select the product trigger command, then "Confirm the command".
- 7) Validate the rule then synchronise the Area Manager.

7. USE OF SITE DATA

7.1 VERIFICATION OF AREA MANAGER

Once the Area Manager has been physically installed, connected and associated with the Area Manager defined in the portal, you can check that it is correctly configured by going to  **Area manager** .

You should find the following information:

- Area Manager number (Area Manager ID),
- Link between the physical Area Manager and an Area Manager defined in the portal (Linked Area Manager),
- Site to which the Area Manager belongs (Site).

Filtre Rechercher...			
Identifiant Area Manager	Area Manager LIK	Site	
11401	AM011401 - Local technique	My Office	
1206	Autorik	Autorik	
1470	Autorik	Autorik	
1490	Autorik	Autorik	
1491	Autorik	Autorik	

If this information is correct, then your Area Manager is correctly configured.

By clicking on the line, you can find the Wi-Fi information, Area Manager password, etc.

7.2 PRODUCT CONTROL AND DATA

7.2.1 DEVICE MEASUREMENTS EXPORTER

Export sensor and meter data

This tool can be used to export all the data collected by a site's sensors and meters. u2028]Procedure and access to function: Data export is displayed by selecting Tools from the PRODUCTS view.

Device Measurements Exporter

1 Choose month

2 Preparing

3 Download

From which previous month would you like to download the device measurements?

Year2025

MonthOctober

Next

Select the month and year to be exported (only months in arrears). Download the file in .CSV format.

device_measurements_d33aa239-d6ca-45bc-ad3d-9d0f6bc602_2025_1...									
Fichier Accueil Insertion Dessin Mise en page Formules Données Révision Affichage Automatiser Aide Acrobat									
Copier Coller Presse-papiers Police Alignement Nombre Styles Mise en forme cond'bonneille Mettre sous forme de tableau Styles de cellules Insérer Supprimer Formater Confidentialité Compléments Analyse de données Créer un PDF Adobe App...									
1	2	3	4	5	6	7	8	9	10
1	01/10/2025 00:00	420a4f64-8b23-4a48-8b48-483402210ea2	Bureau	43040004-3c24-4b2e-bc79-af021a7c7978	Decteur 3	7502d79-3463-4472-4a4b-84c79d5a02d8	carbon_dioxide	wCO2	685.8888888888889
2	01/10/2025 00:00	0107769a-3f95-4098-bc70-8a48c4c7a493	Salon de pous	36d50242-1ca0-484d-bc76-b0a0ba792401	Salon de pous	2899900a-021a-495d-8a7c-a37f0d020465	carbon_dioxide	wCO2	754.4888888888889
3	01/10/2025 00:00	420a4f64-8b23-4a48-8b48-483402210ea2	Bureau	3c7b7918-8b2a-4b2b-af87-30a6b30a61fa	Bureau_M040	3490900a-3c24-4b2e-af85-af021a7c7978	carbon_dioxide	wCO2	755.8888888888889
4	01/10/2025 00:00	420a4f64-8b23-4a48-8b48-483402210ea2	Bureau	43040004-3c24-4b2e-bc79-af021a7c7978	Decteur 3	af017f97-4a49-4938-8a43-821a499f8b03	noise_level	Niveau de bruit	46.888888888888884
5	01/10/2025 00:00	0107769a-3f95-4098-bc70-8a48c4c7a493	Salon de pous	36d50242-1ca0-484d-bc76-b0a0ba792401	Salon de pous	7502d79-3463-4472-4a4b-84c79d5a02d8	noise_level	Niveau de bruit	23.5
6	01/10/2025 00:00	420a4f64-8b23-4a48-8b48-483402210ea2	Bureau	3c7b7918-8b2a-4b2b-af87-30a6b30a61fa	Bureau_M040	4904000a-0227-4a48-8b3c-af021a7c7978	indoor_temperature	Température	23.2
7	01/10/2025 00:00	420a4f64-8b23-4a48-8b48-483402210ea2	Bureau	3c7b7918-8b2a-4b2b-af87-30a6b30a61fa	Bureau_M040	7502d79-3463-4472-4a4b-84c79d5a02d8	noise_level	Niveau de bruit	46.8
8	01/10/2025 00:00	420a4f64-8b23-4a48-8b48-483402210ea2	Bureau	3c7b7918-8b2a-4b2b-af87-30a6b30a61fa	Bureau_M040	7502d79-3463-4472-4a4b-84c79d5a02d8	indoor_humidity	Humidité	42.0
9	01/10/2025 00:00	420a4f64-8b23-4a48-8b48-483402210ea2	Bureau	43040004-3c24-4b2e-bc79-af021a7c7978	Decteur 3	7502d79-3463-4472-4a4b-84c79d5a02d8	carbon_dioxide	wCO2	685.8888888888889
10	01/10/2025 00:00	0107769a-3f95-4098-bc70-8a48c4c7a493	Salon de pous	36d50242-1ca0-484d-bc76-b0a0ba792401	Salon de pous	2899900a-021a-495d-8a7c-a37f0d020465	carbon_dioxide	wCO2	685.8888888888889
11	01/10/2025 00:00	420a4f64-8b23-4a48-8b48-483402210ea2	Bureau	3c7b7918-8b2a-4b2b-af87-30a6b30a61fa	Bureau_M040	7502d79-3463-4472-4a4b-84c79d5a02d8	noise_level	Niveau de bruit	46.8
12	01/10/2025 00:00	420a4f64-8b23-4a48-8b48-483402210ea2	Bureau	3c7b7918-8b2a-4b2b-af87-30a6b30a61fa	Bureau_M040	7502d79-3463-4472-4a4b-84c79d5a02d8	indoor_temperature	Température	23.2
13	01/10/2025 00:00	420a4f64-8b23-4a48-8b48-483402210ea2	Bureau	3c7b7918-8b2a-4b2b-af87-30a6b30a61fa	Bureau_M040	7502d79-3463-4472-4a4b-84c79d5a02d8	noise_level	Niveau de bruit	46.8
14	01/10/2025 00:00	0107769a-3f95-4098-bc70-8a48c4c7a493	Salon de pous	36d50242-1ca0-484d-bc76-b0a0ba792401	Salon de pous	7502d79-3463-4472-4a4b-84c79d5a02d8	noise_level	Niveau de bruit	23.5
15	01/10/2025 00:00	0107769a-3f95-4098-bc70-8a48c4c7a493	Salon de pous	36d50242-1ca0-484d-bc76-b0a0ba792401	Salon de pous	7502d79-3463-4472-4a4b-84c79d5a02d8	indoor_temperature	Température	23.2
16	01/10/2025 00:00	420a4f64-8b23-4a48-8b48-483402210ea2	Bureau	43040004-3c24-4b2e-bc79-af021a7c7978	Decteur 3	af017f97-4a49-4938-8a43-821a499f8b03	noise_level	Niveau de bruit	46.8
17	01/10/2025 00:00	420a4f64-8b23-4a48-8b48-483402210ea2	Bureau	43040004-3c24-4b2e-bc79-af021a7c7978	Decteur 3	af017f97-4a49-4938-8a43-821a499f8b03	indoor_humidity	Humidité	42.0
18	01/10/2025 00:00	420a4f64-8b23-4a48-8b48-483402210ea2	Bureau	43040004-3c24-4b2e-bc79-af021a7c7978	Decteur 3	7502d79-3463-4472-4a4b-84c79d5a02d8	carbon_dioxide	wCO2	685.8888888888889
19	01/10/2025 00:00	420a4f64-8b23-4a48-8b48-483402210ea2	Bureau	43040004-3c24-4b2e-bc79-af021a7c7978	Decteur 3	2899900a-021a-495d-8a7c-a37f0d020465	carbon_dioxide	wCO2	685.8888888888889
20	01/10/2025 00:00	0107769a-3f95-4098-bc70-8a48c4c7a493	Salon de pous	36d50242-1ca0-484d-bc76-b0a0ba792401	Salon de pous	2899900a-021a-495d-8a7c-a37f0d020465	carbon_dioxide	wCO2	685.8888888888889
21	01/10/2025 00:00	0107769a-3f95-4098-bc70-8a48c4c7a493	Salon de pous	36d50242-1ca0-484d-bc76-b0a0ba792401	Salon de pous	2899900a-021a-495d-8a7c-a37f0d020465	carbon_dioxide	wCO2	685.8888888888889
22	01/10/2025 00:00	420a4f64-8b23-4a48-8b48-483402210ea2	Bureau	3c7b7918-8b2a-4b2b-af87-30a6b30a61fa	Bureau_M040	3490900a-3c24-4b2e-af85-af021a7c7978	carbon_dioxide	wCO2	685.8888888888889
23	01/10/2025 00:00	420a4f64-8b23-4a48-8b48-483402210ea2	Bureau	3c7b7918-8b2a-4b2b-af87-30a6b30a61fa	Bureau_M040	7502d79-3463-4472-4a4b-84c79d5a02d8	noise_level	Niveau de bruit	46.8
24	01/10/2025 00:00	420a4f64-8b23-4a48-8b48-483402210ea2	Bureau	43040004-3c24-4b2e-bc79-af021a7c7978	Decteur 3	af017f97-4a49-4938-8a43-821a499f8b03	noise_level	Niveau de bruit	46.8
25	01/10/2025 00:00	0107769a-3f95-4098-bc70-8a48c4c7a493	Salon de pous	36d50242-1ca0-484d-bc76-b0a0ba792401	Salon de pous	7502d79-3463-4472-4a4b-84c79d5a02d8	noise_level	Niveau de bruit	23.5
26	01/10/2025 00:00	0107769a-3f95-4098-bc70-8a48c4c7a493	Salon de pous	36d50242-1ca0-484d-bc76-b0a0ba792401	Salon de pous	7502d79-3463-4472-4a4b-84c79d5a02d8	indoor_humidity	Humidité	42.0
27	01/10/2025 00:00	420a4f64-8b23-4a48-8b48-483402210ea2	Bureau	43040004-3c24-4b2e-bc79-af021a7c7978	Decteur 3	af017f97-4a49-4938-8a43-821a499f8b03	carbon_dioxide	wCO2	685.8888888888889
28	01/10/2025 00:00	420a4f64-8b23-4a48-8b48-483402210ea2	Bureau	3c7b7918-8b2a-4b2b-af87-30a6b30a61fa	Bureau_M040	4904000a-0227-4a48-8b3c-af021a7c7978	indoor_temperature	Température	23.2
29	01/10/2025 00:00	0107769a-3f95-4098-bc70-8a48c4c7a493	Salon de pous	36d50242-1ca0-484d-bc76-b0a0ba792401	Salon de pous	2899900a-021a-495d-8a7c-a37f0d020465	carbon_dioxide	wCO2	685.8888888888889

7.2.1 DEVICE MEASUREMENTS EXPORTER (CONTINUED)

Export characteristics

Time interval: 1 hour

Values are an hourly average

Data can be sorted by :

- Date and time
- Site location
- Sensor name
- Property type

7.2.2 PRODUCT DATA

The third tab of a site **PRODUITS** allows you to view the different products that make up the site and their properties

Here are the two ways of controlling a property :

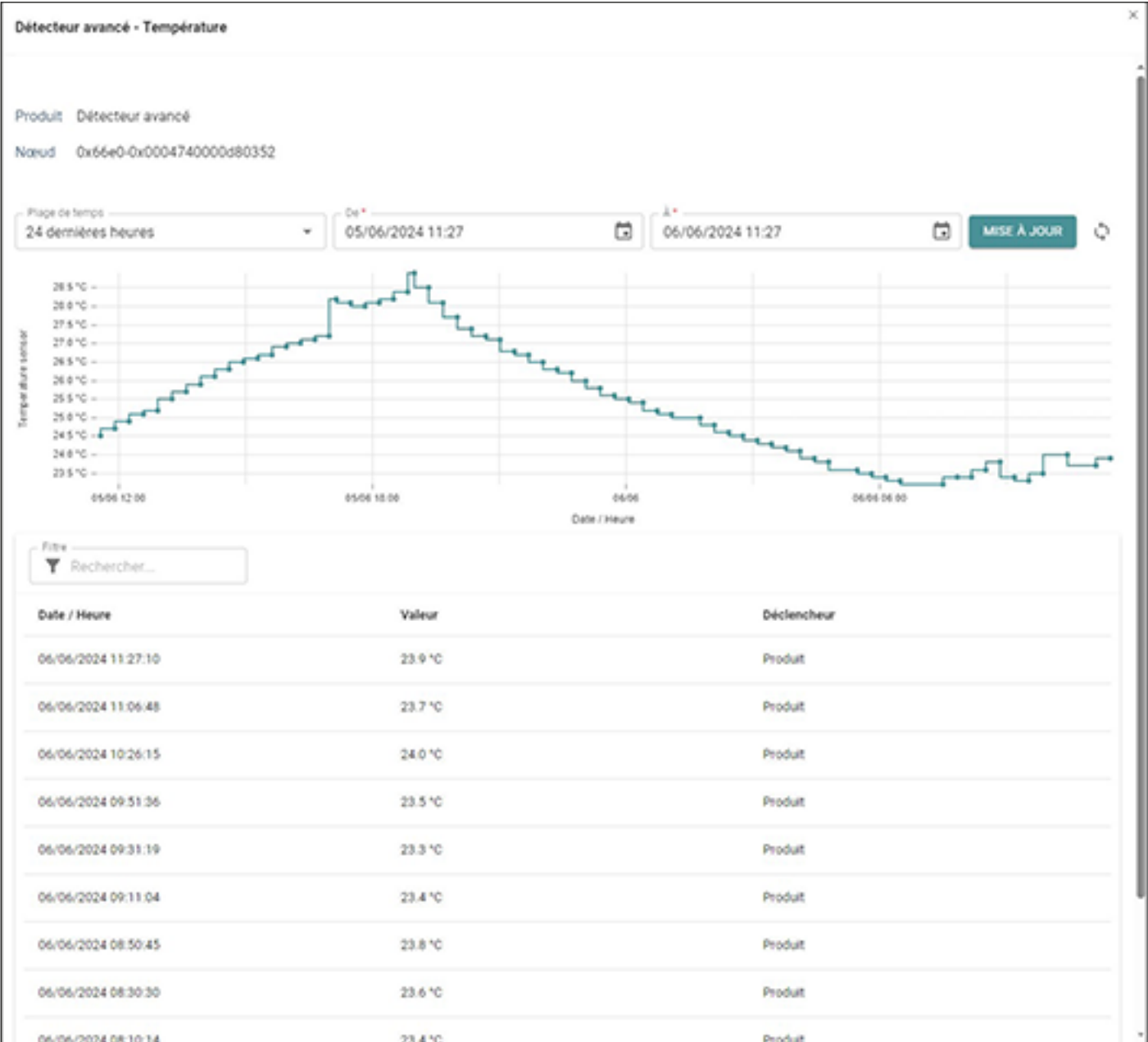
- Click on the product whose details you want in order to access all the properties and then click on the property you are interested in,
- Click directly on the property that interests you (for example, the mode of a thermostat).

[illegible]

Each window used to control/view a product consists of :

- A graph showing the various changes over a configurable period of time,
- A summary of the changes made and the trigger link (manually, by a human or by automatic rule),
- For controllable properties only, an "Action" button for controlling the product property in question (manual action).

7.2.2 PRODUCT DATA (CONTINUED)



7.3 BUILDING INFORMATION

7.3.1 PLACE DATA

The second tab **BATIMENT** allows you to view the hierarchical structure of your building. It shows the different levels and locations (different spaces, etc.).

It also gives you an overview of the important information sent back by all the sensors in the different locations, such as temperature, humidity, lighting control status, HVAC system status, status of doors, windows, etc. .

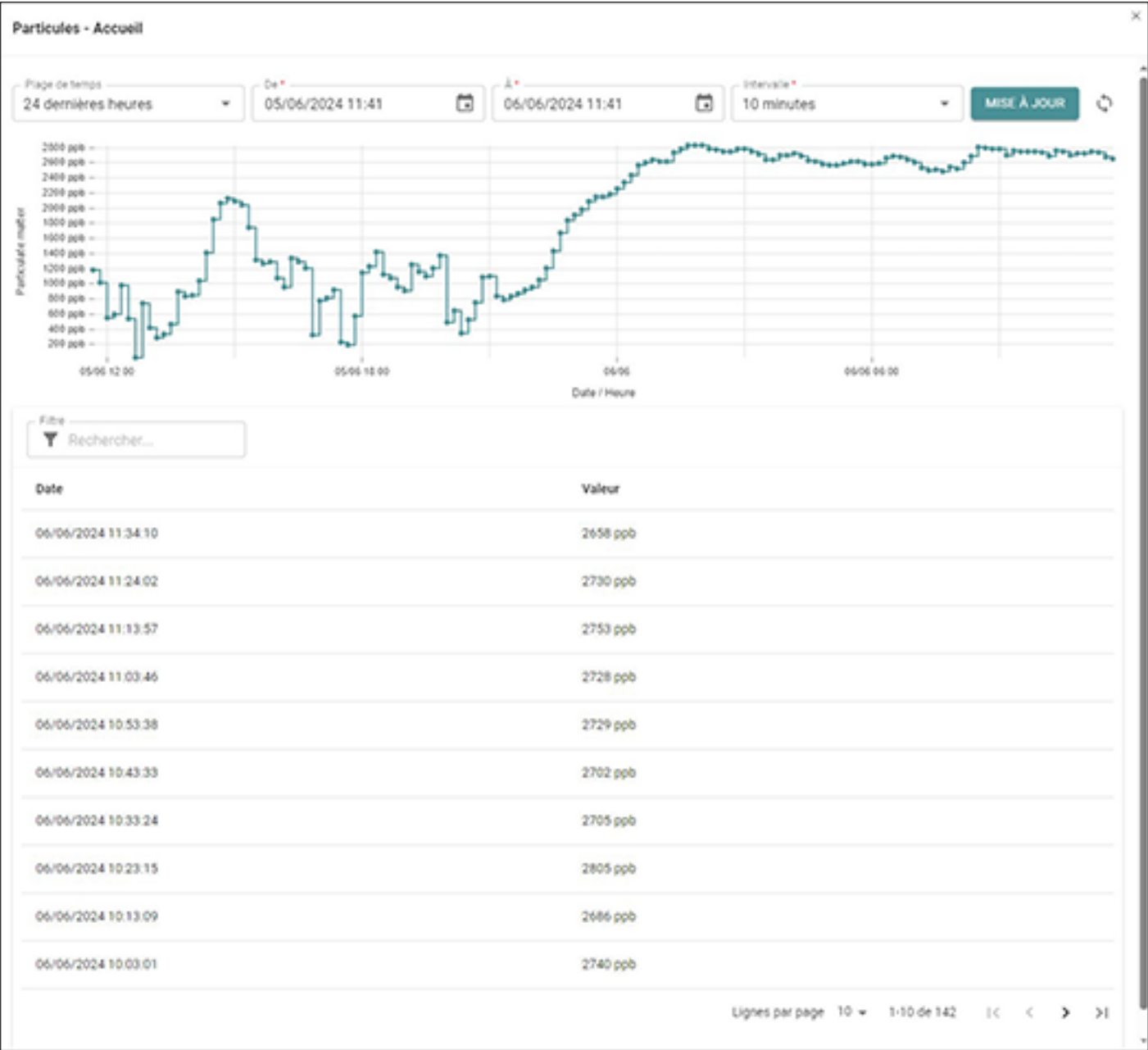
This list of location properties is automatically scaled according to the products in the locations. What's more, the icons can change depending on how the product has been configured (for example, a sash sensor will have a different icon depending on whether it has been defined as a window or door sensor).

These properties are an aggregate of the product properties; in other words, at space level, there will only be one icon for the window opening status, even if there are several windows equipped in the room. As soon as a window is open, the icon will change colour. The temperature is also displayed, showing the average of the temperatures measured by the various products in the space.

Location	Temperature	Humidity	Lighting	HVAC	Door/Window
Entree	20.5°C	65%	On	On	Open
Ruelle	18.2°C	55%	On	On	Open
Atrium	22.1°C	70%	On	On	Open
Espace café	21.5°C	68%	On	On	Open
Local technique	15.0°C	45%	On	On	Open
Bureau 101	20.0°C	60%	On	On	Open
Bureau 102	19.5°C	58%	On	On	Open
Bureau 201	20.5°C	62%	On	On	Open
Salle de réunion 202	21.0°C	65%	On	On	Open

7.3.1 PLACE DATA (CONTINUED)

By clicking on the property, you will have access to all the latest status changes, with the dates and times of the changes and the various property values.



To best define the x-axis, simply enter :

- The time range (minutes, hours, days...)

Or a custom range by entering :

- Start date/time,
- End date/time,
- The interval (minutes, hours, days...),
- Then click on

MISE À JOUR

.

7.3.2 DETAILS OF THE LOCATIONS

To access the details of each location, simply click on the corresponding line.

This view allows you to view both the properties of the location and the properties of the products that make it up.

7.4 STATISTICS

In order to analyse and compare product values, a tab **Statistiques** tab is available on each site:

There are 3 important pieces of information that need to be entered in order to analyse and retrieve the data :

- The range of dates and times used to configure the x-axis,
- The locations concerned by the analysis of values,
- The ordinate axis, used to display the properties of interest (temperature, power, brightness...).

7.4 STATISTICS (CONTINUED)

Date and time range :

To best define the abscissa axis, simply enter :

- The time range (minutes, hours, days ...),

Or a custom range by entering :

- The start date/time,
- The end date/time,
- The Interval (minutes, hours, days...),

The locations concerned :

Here you can select one or more locations (for example, display the temperatures of all the offices on a floor) or compare different locations (for example, compare the temperature trends of the offices on the north side with those on the south side).

The axis (information to be displayed):

Finally, the last part concerns the various items of information you wish to retrieve. All product properties can be interpreted and analysed. It is possible to combine several variables to obtain, for example, the change in temperature in the offices in relation to the change in temperature outside. There is no limit to the number of variables displayed in the graph.

In terms of settings, it is possible to :

- Choose the colour of each curve,
- Choose whether you want to display the information on a single graph or on several graphs (if you tick the combine/associate box, all the information will be displayed on a single graph).

7.4 STATISTICS (CONTINUED)



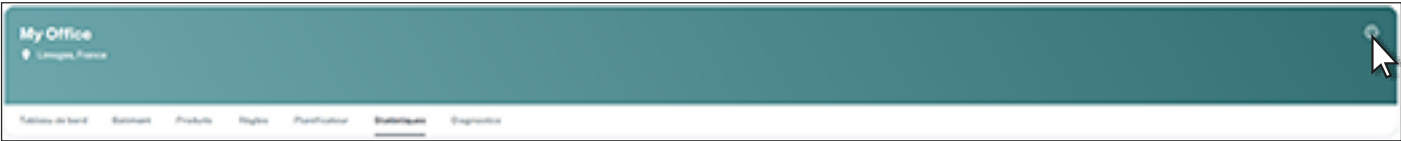
Note :

All the information can be downloaded in .csv format, so you can carry out more precise analyses if required. Simply click on "Download".

8. SITE CONFIGURATION AND OPERATING ACCESS

8.1 CHANGES OF THE SITE

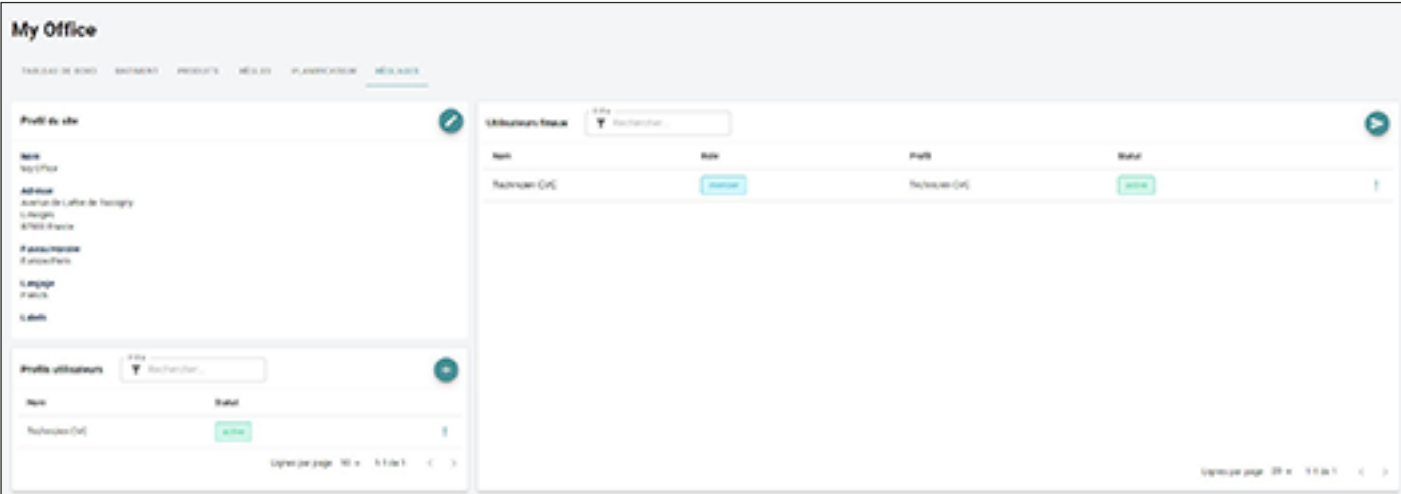
To modify the general information about a site, click on the button  button in the box at the top of the page:



You can then change the general information about location, language, time zone and labels.

8.2 CREATION USER ACCESS

The **REGLAGES** menu also lets you create report groups for users, and invite them to the site.



8.2 CREATION USER ACCESS (CONTINUED)

To create a report group, click on "Add a profile" in the User window.

To invite a user to join your site, enter the email address they used to **register for the Building Manager portal**, determine their role and select a previously created profile (see section [User rights matrix](#) at the beginning of the manual).



Invitation utilisateur final

Email *

Role *

Member

Profile *

Message

SAUVEGARDER

8.3 DELETING USER ACCESS

In the **RÉGLAGES** menu, click on the 3 small dots  and delete the selected user.

8.4 SITE DELETION

To delete a site completely, a **SUPPRIMER** button in the site details.



Warning:
This action is irreversible and will delete absolutely everything that has been created for this site.

Modifier un site

Type ^{*}

Bureau

Nom ^{*}

My Office

Adresse ^{*}

Avenue de Lattre de Tassigny

labels

Pays

France

Ville ^{*}

Limoges

Code postal ^{*}

87000

Latitude

45,8251524

Longitude

1,2751388

Fuseau Horaire

Europe/Paris

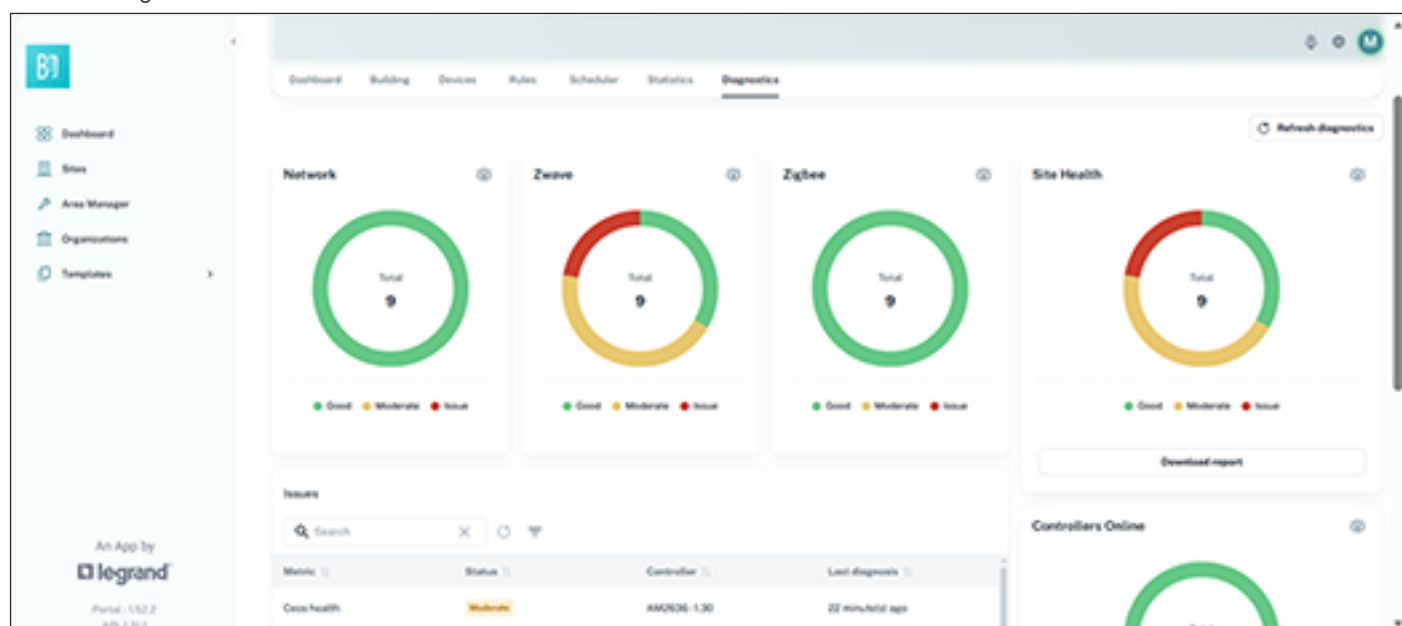
SUPPRIMER

VALIDER

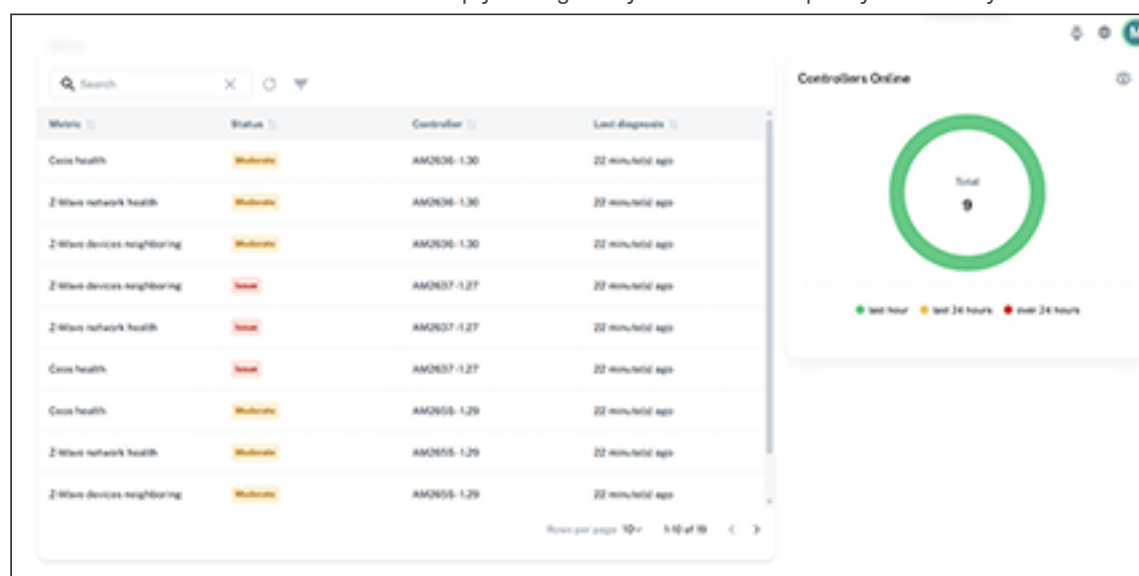
8.5 DIAGNOSTICS

This menu allows you to check the operational status of the site, including :

- Network connection
- Z-Wave and Zigbee network status
- Modbus communication
- Area Manager connected



Access a list of indications and errors to help you diagnose your installation quickly and reliably.



Use the « Refresh » button to trigger manual diagnostics immediately.
Otherwise, the system automatically runs diagnostics at regular intervals.
The Diagnostics report can be exported in PDF format.

8.5.1 NEIGHBOURS TABLE

This tool allows you to view the communications between Zigbee and Z-Wave devices, providing a detailed view of the network mesh and the links established between products.

Function access :

The Neighbours table is displayed by selecting an Area Manager from the PRODUCTS view, then opening the Tools drop-down list for that Area Manager.

Neighbors table																					
Ego devices																					
Device		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0: Coordinator		NA		✗	✗		✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✗	✓	✗	✗
1: Access Node ("Pcap" "Sensor" "Network_adapter" "Serial" "Network_adapter" "Serial")		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗
2: Director & ("Pcap" "Sensor" "Network_adapter" "Serial" "Network_adapter" "Serial")		✓	✓	NA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✗	✗
3: Director node ("Pcap" "Sensor" "Network_adapter" "Serial" "Network_adapter" "Serial")		✓	✓	✓	✓	NA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓	✗	✗
4: Director stream ("Pcap" "Sensor" "Network_adapter" "Serial" "Network_adapter" "Serial")		✓	✓	✓	✓	NA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓	✗	✗
5: Director reader ("Pcap" "Sensor" "Network_adapter" "Serial" "Network_adapter" "Serial")		✓	✓	✓	✓	NA	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓	✗	✗
6: Director host ("Pcap" "Sensor" "Network_adapter" "Serial" "Network_adapter" "Serial")		✓	✓	✓	✓	✓	NA	✓	✓	✗	✓	✓	✓	✓	✓	✓	✗	✗	✓	✗	✗
8: Queue ("Pcap" "Sensor" "Network_adapter" "Serial" "Network_adapter" "Serial")		✓	✓	✓	✓	✓	✓	NA	✓	✗	✓	✓	✓	✓	✓	✓	✗	✗	✓	✗	✗
7: Director bus ("Pcap" "Sensor" "Network_adapter" "Serial" "Network_adapter" "Serial")		✓	✓	✓	✓	✓	✓	NA	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓	✗	✗
9: Data stream ("Pcap" "Sensor" "Network_adapter" "Serial" "Network_adapter" "Serial")		✓	✓	✓	✓	✓	✓	✓	NA	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓	✗	✗
10: Director ("Pcap" "Sensor" "Network_adapter" "Serial" "Network_adapter" "Serial")		✓	✓	✓	✓	✓	✓	✓	✓	NA	✓	✓	✓	✓	✓	✓	✗	✗	✓	✗	✗
11: Director ("Pcap" "Sensor" "Network_adapter" "Serial" "Network_adapter" "Serial")		✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	NA	✓	✓	✓	✗	✗	✓	✗	✗
12: Director ("Pcap" "Sensor" "Network_adapter" "Serial" "Network_adapter" "Serial")		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	NA	✓	✓	✗	✗	✓	✗	✗
13: Data stream ("Pcap" "Sensor" "Network_adapter" "Serial" "Network_adapter" "Serial")		✓	✗	✓	✗	✗	✗	✓	✓	✗	✓	✓	✓	✓	NA	✓	✓	✓	✗	✗	✗
14: Data stream ("Pcap" "Sensor" "Network_adapter" "Serial" "Network_adapter" "Serial")		✓	✗	✗	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	NA	✓	✗	✗	✓	✗
15: Data stream ("Pcap" "Sensor" "Network_adapter" "Serial" "Network_adapter" "Serial")		✓	✓	✗	✗	✗	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	NA	✗	✓	✗	✗
16: Director ("Pcap" "Sensor" "Network_adapter" "Serial" "Network_adapter" "Serial")		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓	✗
17: Data stream ("Pcap" "Sensor" "Network_adapter" "Serial" "Network_adapter" "Serial")		✓	✓	✗	✓	✗	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓	✗
18: Data stream ("Pcap" "Sensor" "Network_adapter" "Serial" "Network_adapter" "Serial")		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗
19: Data stream ("Pcap" "Sensor" "Network_adapter" "Serial" "Network_adapter" "Serial")		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗
Ego devices																					
Devices																					
0: Coordinator																					

Presentation :

The table displays relationships in the form of rows and columns, indicating for each device whether there is direct communication :

- Green symbol: direct communication between the two products
- Red cross: weak or non-existent communication
- Question mark: no information on communication

Recommendation:

If a product does not have at least two stable links with other devices, it is advisable to review its positioning to optimise the mesh.

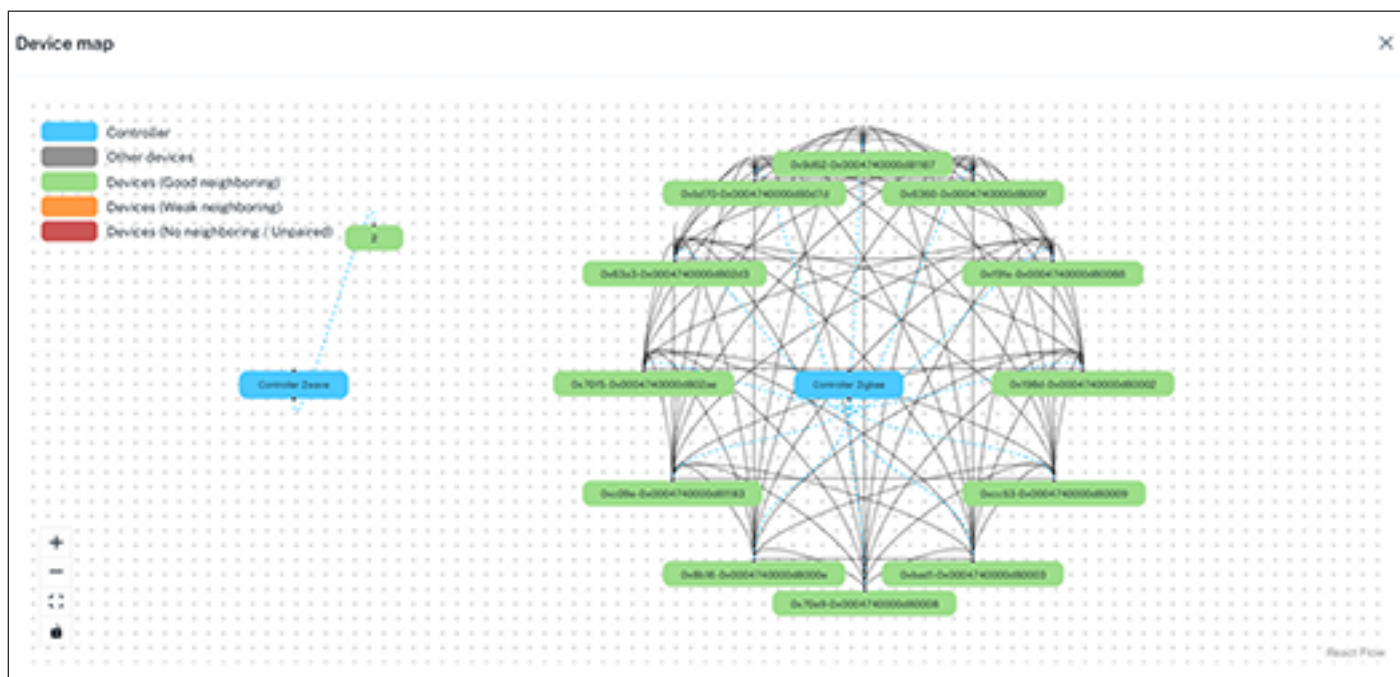
For a graphical representation of the network, use the Device Map feature, accessible via the dedicated menu. This table is refreshed every 24 hours.

8.5.2 DEVICE MAP

Device Map: Graphical display of the Zigbee/Z-Wave mesh

Accessing the function :

Device Map is displayed by selecting an Area Manager from the PRODUCTS view, then opening the Tools drop-down list for that Area Manager.



The Device Map tool graphically displays the table of neighbours in Zigbee and Z-Wave networks. This view makes it easier to analyse the mesh and the quality of the links between devices.

Colour codes:

- Blue: Zigbee or Z-Wave coordinator
- Green: Product with optimal mesh
- Orange: Weak mesh (limited communication)
- Red: Product disconnected (no active link)
- Grey: Product not paired

Important:

A device in red is no longer communicating with the network.

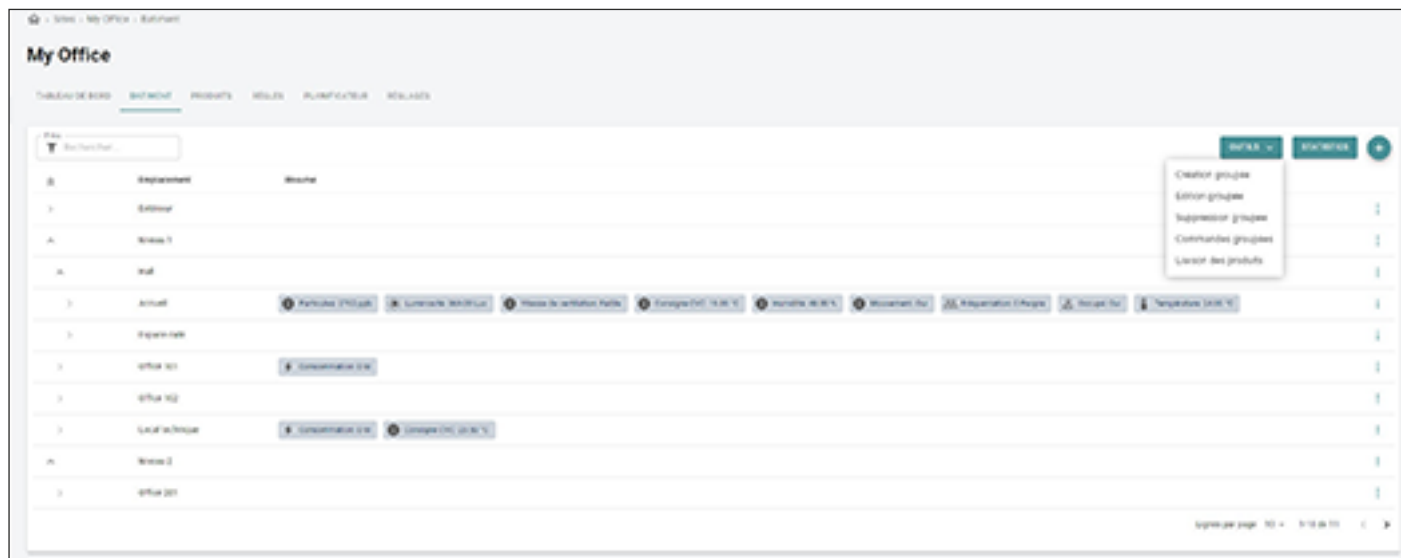
Recommendations:

Maintain a maximum distance of 15 metres between an Area Manager and the furthest Zigbee/Z-Wave product. u2028]Encourage networking between products to ensure stable and robust exchanges.

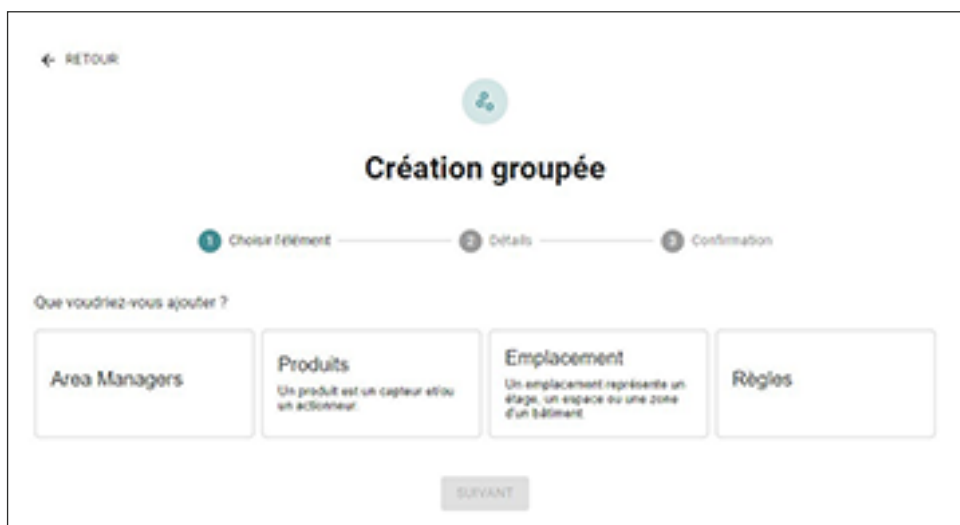
9. CREATION AND GROUP MANAGEMENT

There is a way to create and manage site elements in a grouped way to optimise the time needed on the Building Manager portal. All you have to do is :

- Go to  **Sites** ,
- Click on the desired site,
- Go to the tab **BATIMENT** ,
- Click on **Outils** and choose the desired action.



9.1 GROUPED CREATION



9. CREATION AND GROUP MANAGEMENT (CONTINUED)

9.1.1 AREA MANAGER

You need to :

- Define the Area Manager model,
- Define the name you wish to give to Area Managers,
- Define the locations on which to create an Area Manager by clicking on the desired locations.

At the bottom of the creation window are 2 important options:

- **"Link all devices in a location to the Area Manager for that location".**

Ticking this box allows a direct link to be made between an Area Manager associated with a location and the products associated with that location.

- **"Include all products in all sub-locations".**

Marking this checkbox links newly created products to the location's Area Manager.

← RETOUR

Création groupée

1 Choisir l'élément — 2 Détails de l'Area Manager — 3 Confirmation

Informations Principales

Modèle *
Legrand - Area Manager

Nom

Emplacements *

Réglages généraux

☒ Attendu en ligne

☒ Relier tous les appareils d'un emplacement à l'Area Manager de l'emplacement

☐ Inclure tous les appareils de tous les sous-emplacements

RETOUR SUIVANT

9.1.2 PRODUCTS

The grouped creation tool lets you **to create several products in a single action using the same template on several zones at the same time.**

When you open the product creation tool, a single configuration will be applied to all the selected zones.

If your site has zones with different configurations in terms of products, the creation will have to be carried out several times to cover all cases.

Expérimentation

Produits

Détecteur de contact On/Off

Filtres avancés

Modèle

Legende: Détecteur de présence - On/Off

Nom de produit

Détecteur de contact On/Off

ID	Nom	Activer	Cacher	Exclure de la propriété d'emplacement	Sauf mise à jour	Multicatégorie
1	Modèle	On	Off	Off		
2	Legende	On	Off	Off		
3	Switch light	On	Off	Off		

Prise connectée

Filtres avancés

Modèle

Legende: Prise de courant

Nom de produit

Prise connectée

ID	Nom	Activer	Cacher	Exclure de la propriété d'emplacement	Sauf mise à jour	Multicatégorie
4	Switch	On	Off	Off		

9.1.2 PRODUCTS (CONTINUED)

Example :

Let's take the case of a building made up of 5 individual offices that we want to equip with a thermostat, a presence detector and a connected socket, as well as 2 meeting rooms where we will replace the presence detector with an advanced detector.

We have two options for creating this site:

- Run the creation tool once, selecting the offices and meeting rooms, and defining the common products: 1 thermostat, 1 connected socket. Then run the creation tool again, selecting only the meeting rooms to add the advanced detectors, then repeat the operation, selecting the offices for the presence detectors.
- Run the creation tool once, selecting only the individual offices and defining the products in them, then run the creation tool again, selecting only the meeting rooms and defining the products in them.

Note:

In this example, there will not necessarily be 1 Area Manager per office; products created in offices that do not have an Area Manager will end up in an "Unlinked products" section, which will have to be linked to the Area Manager who has to control them (see section *Linking products*).

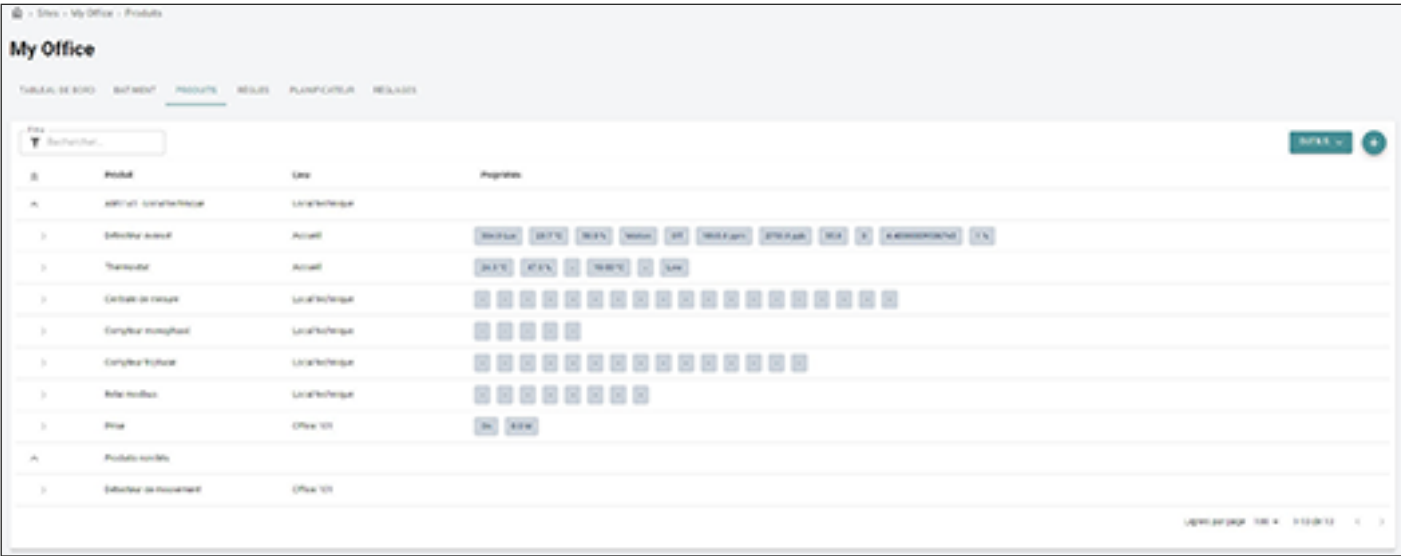
Once you have created a group of products, all you have to do is :

- Define the desired locations (zones or spaces),
- Add products by clicking on the ,
- Define the Model,
- Define product name,
- Modify property names as required,
- Set the product properties according to the desired configuration (see section Declaring a product)

9.1.2.1 PRODUCTS LINK

This function allows you to link products that have already been created to an Area Manager.

When products are created in an area that does not have an Area Manager, they appear in the **PRODUITS** tab, in a section called "Unlinked products". From here, linking products will allow you to define which Area Manager should control them. In the same way, it will be possible to unlink an Area Manager's products in the event of a reorganisation.



To make these changes, simply :

- Go to **Sites** ,
- Click on the desired site,
- Go to the tab **PRODUITS** ,
- Click on **OUTILS** on **Liaison des appareils**



9.1.2.1 PRODUCTS LINK (CONTINUED)

The creation window lets you choose between "Create a link" to link one or more products to an Area Manager, or "Remove a link" to unlink one or more products from their Area Manager.

← RETOUR

Liaison des produits

Choisir une action

Créer une liaison

Supprimer une liaison

Tous les produits sont liés.

SAUVEGARDER

Then select the products to be linked/unlinked

Then select the Area Manager on which to link/unlink your products:

← RETOUR

Liaison des produits

Choisir une action

Créer une liaison

Supprimer une liaison

Area Manager *

AM1141 - Local technique

Produits *

1 sélectionné

☒ Tout sélectionner

▼ ☒ Niveau 1

» ☒ Office 101

9.1.2.1 PRODUCTS LINK (CONTINUED)

← RETOUR

Liaison des produits

Choisir une action

Créer une liaison

Supprimer une liaison ✓

Area Manager *

AM1141 - Local technique

Produits *

1 sélectionné

▼

☐ Niveau 1

>

☐ Hall

>

☐ Local technique

▼

☐ Office 101

☒ Détecteur de mouvement

☐ Prise

9.1.3 LOCATIONS

- Levels, zones or spaces can be created as a group. To do this
- define the type of location
 - for zones and spaces, define their parent location
 - click on  and define the names of the locations you want to add.

✓ Choisir l'élément

2 Détails de l'emplacement

3 Confirmation

Type d'emplacement *

Zone

Emplacement parent *

2 sélectionnés

Nouveaux emplacements enfants

Nom de l'emplacement *

Nom de l'emplacement *

RETOUR

SUIVANT

9.1.4 RULES

One or more rule templates can be assigned en masse to one or more Area Managers, provided the products are linked to an Area Manager:

- Select the rule templates to be deployed and the Area Managers concerned
- Then click on **SUIVANT**.

9.1.4 RULES (CONTINUED)

We can then :

- **Modify and customise the name of the rule,**
- **Make it active by ticking the box or inactive by leaving the box unticked.** If it is unchecked, the rule is not active and therefore does not react to the conditions. It will then not be possible to associate it with a scheduler. This is useful if you want to schedule upstream without the rules being triggered.
- **Make the rule "Inactive by default" by checking the box.** When the Area Manager starts up, it inhibits the rule so that it does not engage even if the conditions are met, the aim being to associate it later with the scheduler which will make it operational.

You must have :

1. Associate the Properties/Movements defined in the logic with the actual Properties/Movements on the site,
2. Associate the product defined in the order with the actual site property.

To associate the Properties/Locations defined in the logic with the actual Properties/Locations of the site, simply click on select an operand and choose the correct Product/Location from the drop-down list.

Note:

If the product does not appear, check that its property is the same as that defined in the rule.

For orders, simply click on the order and select the correct object.

Once you have defined all the values, validate your rule by clicking on **CRÉER LA RÈGLE**.

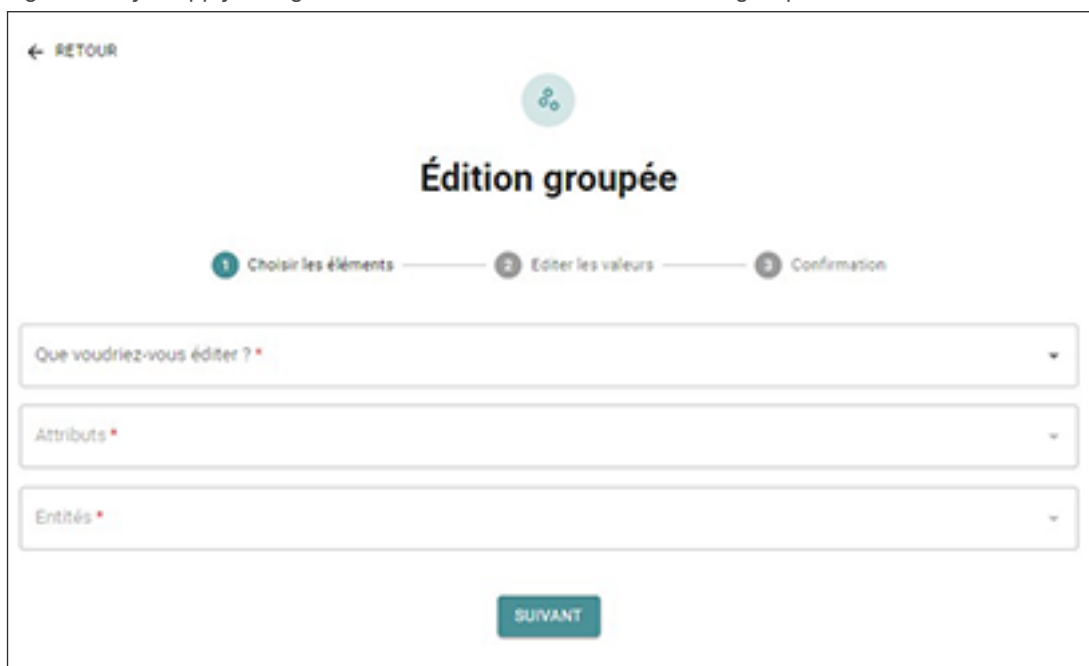


Please note:

For the rules created and active to be taken into account, don't forget to synchronise the Area Manager concerned (see Area Manager synchronisation section).

9.2 GROUPED EDITION

The group editing tool lets you apply changes to different elements of the site in a single operation.



Group Edit allows you to modify :

- Area Manager (Name)
- Products (Name)
- Product properties (Name, Enabled, Hidden, Exclude from location property, Minimum difference threshold),
- Locations (Name)
- The rules:
 - the value of the operands on the right in the conditions.

The group delete tool allows you to delete several items of the same type in a single operation. This function can be accessed from the **BATIMENT** tab or **PRODUITS** tab of a site.

Once the window has opened, select the type of item to be deleted (Area Manager, products, locations and rules).

92 SUMMARY

9.3 GROUPED DELETION (CONTINUED)

Note:

The system will not let you delete products that are paired with an Area Manager, or Area Managers that are linked. You must first unpair or unlink them (see pairing section 5.3 Inclusion/Exclusion of products).

9.4 GROUP COMMAND

- For one or more Area Managers simply :

Go to the tab **PRODUITS**

Click on the button **OUTILS**

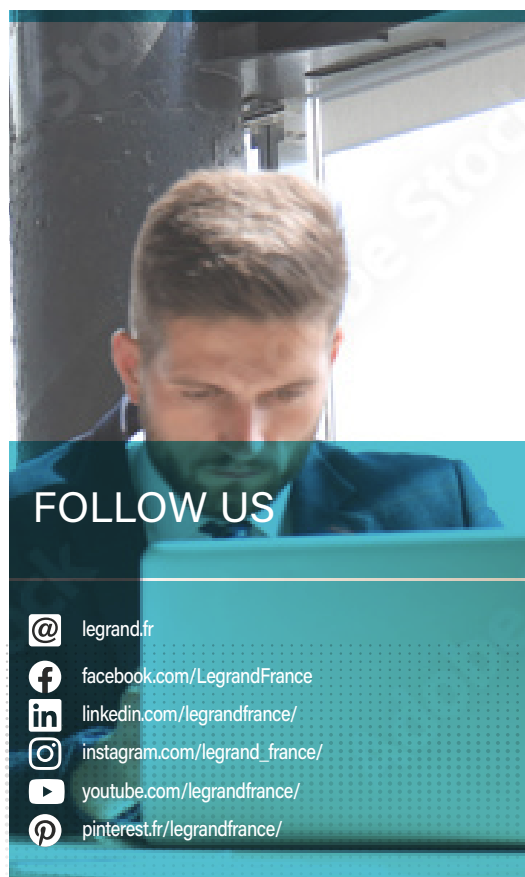
Click on **Commande groupée**

Select the Area Managers to be synchronised.

Site	Area Manager	Emplacement
☐ My Office	AM1141 - Local technique	Local technique

GLOSSARY

EN	DEFINITION
SITES	List of different installations.
AREA MANAGER	Connected BMS controller for collecting building data to monitor and optimise energy consumption.
ORGANISATION	Company information.
ÉQUIPE	Menu used to manage site users (add, delete or modify administrator/member rights).
BÂTIMENT	Main architecture of an installation made up of levels and zones.
LEVEL	Éfloor of a building (basement, ground floor, 1st floor, outside, etc.).
ZONE	Grouping of several SPACES on one level (corridors, offices, open spaces, meeting rooms, etc.).
SPACE	Sub-set of an AREA. For example, open-space on the window side and corridor side.
PRODUCT	Menu used to add Area Managers or connected devices to a site and position them in the building.
RÈGLES	Menu used to associate rule models previously defined for an Area Manager with a site product.
PLANNER	Menu used to manage rules according to an hourly, weekly or monthly schedule.
OPERATOR	End user of the system. It can consult or act on its products. They cannot modify the architecture of their site.



FOLLOW US

- @ legrand.fr
- facebook.com/LegrandFrance
- linkedin.com/legrandfrance/
- instagram.com/legrand_france/
- youtube.com/legrandfrance/
- pinterest.fr/legrandfrance/



Siège social

128, av. du Maréchal-de-Lattre-de-Tassigny
87045 Limoges Cedex - France
☎ : 05 55 06 87 87
Fax : 05 55 06 88 88