DOC\_MPR\_Store4Me\_Starting with the solution\_A Latest update: 12/20/2022



#### **Configuration & use of the Store4Me solution**

INDUSTRIAL NETWORKING

### **PURPOSE OF THE DOCUMENT**

This document guides you through the configuration and use of the new customer area when using the Store4Me solution.

This document describes the following items:

- Creating and activating a new account
- Organization management
- User management
- Store4Me activation
- Adding a device in the new customer area
- Pack Data activation
- Collect & Alert configuration
- Data logger configuration
- Creating an application
- Adding data sources
- Using the EticDISPLAY editor

### **DESCRIPTION OF THE STORE4ME SOLUTION**

The Store4Me solution has 4 items:

- The Customer Area
  - It is the area where users, products and web applications are managed and access data pushed by the hardware.
- The Collect & Alert module
  - It is a software module installed on your Etic box (RAS or IPL) allowing to collect variables of your process in Modbus TCP.
- The Data Logger
  - This is the system for transferring data to a cloud managed by Etic Telecom.
- The EticDISPLAY Editor
  - This is the graphical interface for creating and viewing dashboards in the form of WEB pages.



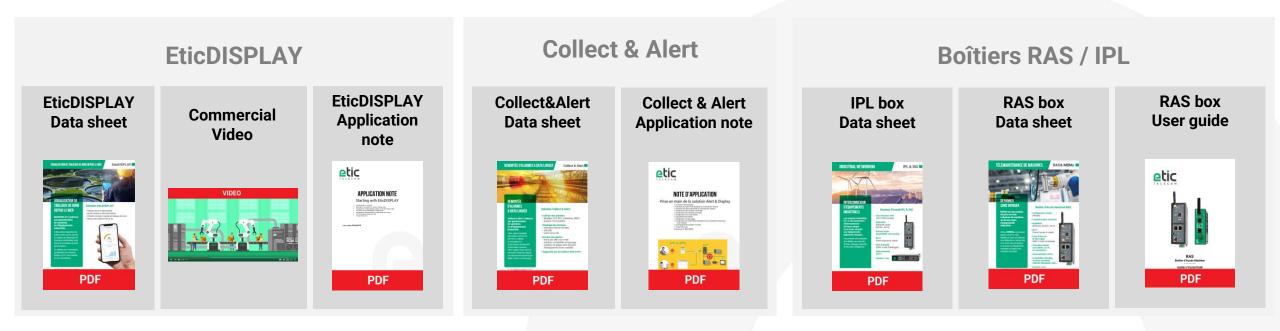


The Store4Me solution is compatible with RAS (Machine Access Devices) and IPL (Interconnection Routers) product families.

In this document RAS or IPL boxes are designated by the term "Etic box".



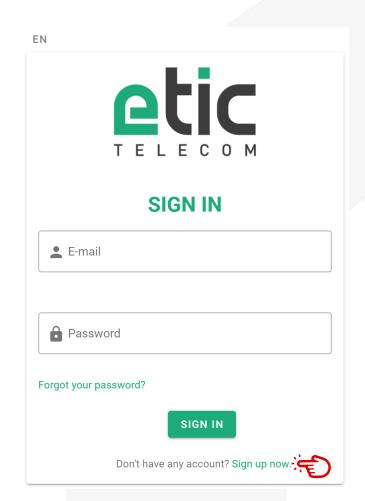
#### DOCUMENTATION



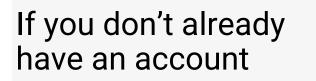


#### **CUSTOMER AREA CONNECTION**

#### Go to https://store4me.etictelecom.com



The link is also available on the **etictelecom.com** website.





#### **CREATING A NEW ACCOUNT**

- Fill in the required fields to create your account
- Once done you will receive an activation email

#### ΕN The benefits of Account creation an Etic Telecom account Company - Simple visualization of Required field your remote sites. - Access to Last Name First name additional options (SMS alert, M2Me function ...). E-mail Address - Crediting SMS in the Machine Champ requis Access Box or the router (RAS / IPL). Phone number - M2Me client activation on the M2Me server. Password Password Champ requis CREATE

#### **CREATING A NEW ACCOUNT**

 Impossible d'afficher l'image liée. Le fichier a peut-être été déplacé, renommé ou supprimé. Vérifiez que la liaison pointe vers le fichier et l'emplacement corrects.

#### **Account service**

- You will receive an email to the previously given email address
- Click on the « Activate my account » link to activate your new customer area

#### Your account has been created.

Please click the link below to validate your e-mail address and activate your account.

#### Activate my account

ETIC Telecom

Account management service <u>m2me@etictelecom.com</u>

13 chemin du vieux chêne 38240 Meylan TéI : +33(0) 4 76 04 2000 www.etictelecom.com

INDUSTRIAL NETWORKING



#### **CREATING AN ORGANIZATION**

• At first login, you will be prompted to create a first organization. A default name is given. You can modify it if you want.

Create an organization		
name* account_of_FirstName_LastName		
'*' indicates required field		
	CLOSE	

• An organization includes users and applications



#### YOUR NEW CUSTOMER AREA



Devices Store4Me

#### Welcome to your customer area

#### Your customer area is useful to:

- Create a remote site directory.
- Access to additional options (SMS alert, M2Me function ...).
- Credit SMS on Machine Access Box or router (RAS / IPL).
- Activate M2Me client or the M2Me server.
- Activate your data storage space in the cloud data.



ACCOUNT\_OF\_FIRSTNAME\_LASTNAME

User management

#### Your Store4Me applications

Your registered Etic products in the customer area



### **MODIFYING AN ORGANIZATION NAME**

• To modify the name of an organization, you can do it from your customer area here:



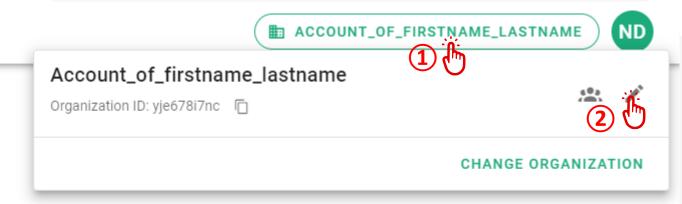
Devices Store4Me

#### Welcome to your customer area

#### Your customer area is useful to:

- Create a remote site directory.
- Access to additional options (SMS alert, M2Me function ...).
- Credit SMS on Machine Access Box or router (RAS / IPL).
- Activate M2Me client on the M2Me server.
- Activate your data storage space in the cloud data.

Note: The organisation identifier (*Organization ID*) will remain the same whatever the name of the organization chosen



### **MANAGING YOUR ORGANIZATION**

 Creating new users, granting rights and allowing web pages creation are linked to an organization and are configured in the organization management section

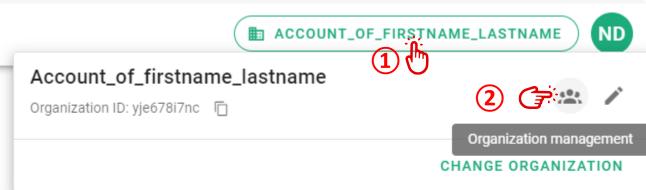


Devices Store4Me

#### Welcome to your customer area

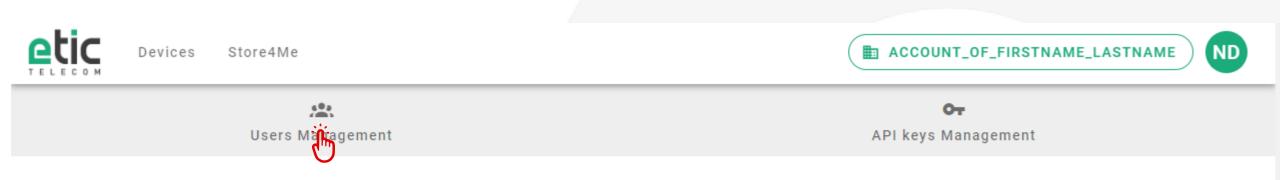
#### Your customer area is useful to:

- Create a remote site directory.
- Access to additional options (SMS alert, M2Me function ...).
- Credit SMS on Machine Access Box or router (RAS / IPL).
- Activate M2Me client on the M2Me server.
- · Activate your data storage space in the cloud data.



#### **USER MANAGEMENT**

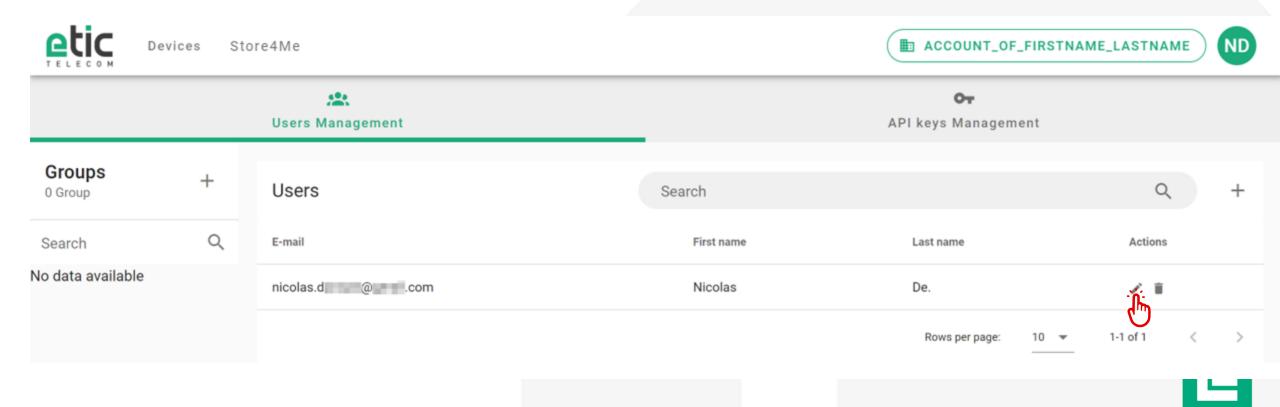
- From the organization management section select « Users Management »
- By default, the creator of the organization is the administrator of this organization





#### **MODIFYING USER RIGHTS**

 From « Users Management », click on the pen to modify each right of the selected user





- Click on the « + » sign to add a user
- You will then be able to select the groups you want this user to be part of and the applications he will be allowed to have access to.

Devices Store4Me			ACCOUNT_OF_FIRSTNAME_LASTNAM		
		users Management		O <del>r</del> API keys Management	
Groups 0 Group	+	Users	Search		
Search	Q	E-mail	First name	Last name	Actions Add
No data available		nicolas.d @ .com	Nicolas	De.	/ ii
				Rows per page: 10	✓ 1-1 of 1 < >

### **STORE4ME ACTIVATION**

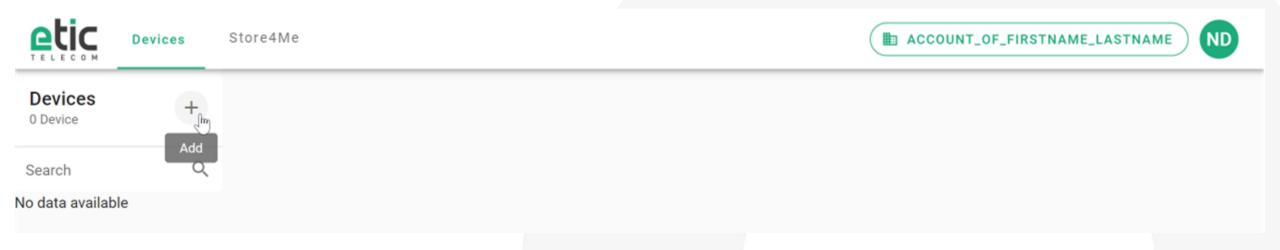
- Within each user access rights you can define the access to the Store4Me solution.
- For each user willing to create pages using the EticDISPLAY editor make sure you enable the editor role

Store4Me Access all applications	$\checkmark$ with editor role
Applications 🚓	
Available	Selected
Q Search	Q Search
No data vailable	□ Application N°1 EDITOR ←
Page 1 of 0 < >	Page 1 of 1 < 🗲



### ADDING A DEVICE (1/2)

 From the home of your customer area, click on « Devices », then on the « + » sign to add your RAS or IPL Etic device.



## ADDING A DEVICE (2/2)

> Home > About Name this device and insert • its product key Product information Firmware version v4.6.2 Collect&Alert Software options Collect&Alert version v1.6.4 Product type Add device A31A8761-76B4-4BAD-9F48-E56FF8D1BF54 Product key Name\* The product key to Training Device fill in is on the Product key\* « About » web a31a8761-76b4-4bad-9f48-e56ff8d1bf54 page of your RAS '\*' indicates required field or IPL Etic device when you are CLOSE CREATE connected to it.

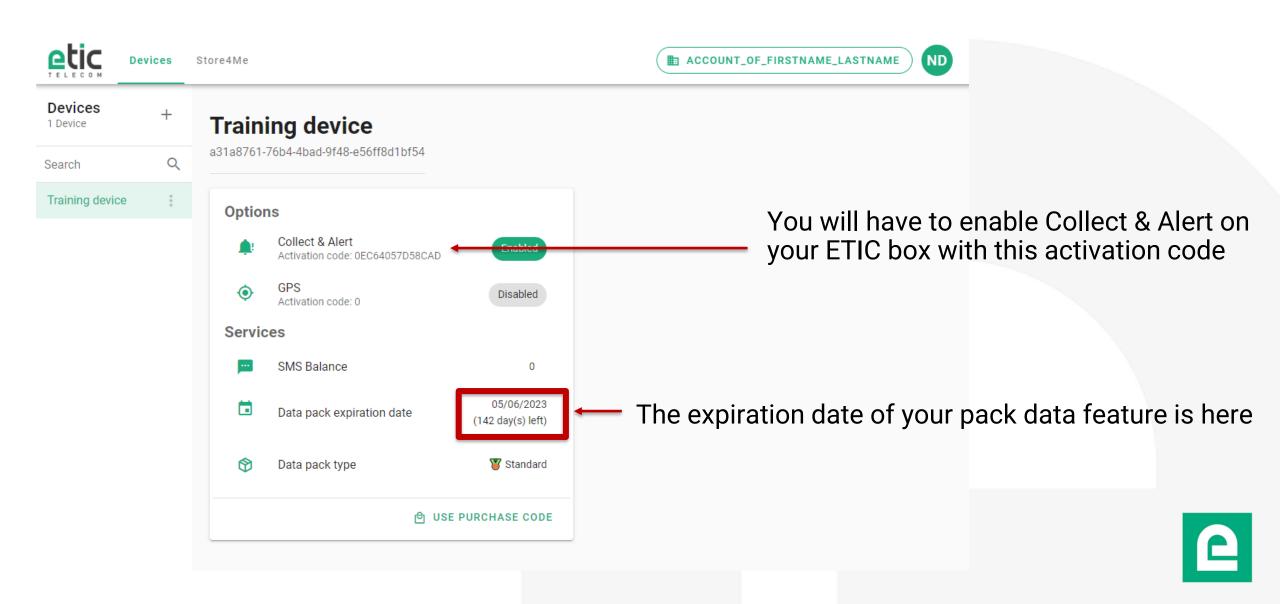


## DATA PACK ACTIVATION (1/2)

 To enable your Pack Data feature, insert the purchase code received with your order

	evices	Store4Me			
Devices 1 Device	+	Training device		Add option on device	
Search	Q	a31a8761-76b4-4bad-9f48-e56ff8d1bf54		Apply purchase code	<ol> <li>Apply activation</li> </ol>
Training device	:	Options			- Abbi activition
		Collect & Alert Activation code: 0EC64057D58CAD	Enabled	Pour activer loption : Telecom or yo	rour purchase code. To obtain a purchase code, contact ur distributor.
		GPS     Activation code: 0	Disabled	et anistissez votre code achat To activate the option: www.etchecom.com.com.ection Customer area And enter your purchase code	
		Services		XXX_30000000000000000000000000000000000	
		SMS Balance	o	Decement to be archived	
		Data pack expiration date		Purchase code* XX_XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
		Data pack type	😈 Standard	** indicates required field	CLOSE AP

## DATA PACK ACTIVATION (2/2)



### SUM UP

- You have setup an account on the new customer area
- You have setup an organization
- You have setup users and given rights to users
- You have setup an Etic product
- You have enabled the Pack Data feature
- You can now configure Collect & Alert and the Data Logger on your Etic boxes so that they can communicate with Store4Me.



- Module to be installed onto Etic Box.
- Allows data collection on a Modbus TCP device.
- Triggers alerts on events sent:
  - By e-mail
  - By SMS (with cellular subscription or via our SMS service)
  - Via e\*message
  - Allow data sending to a Cloud in MQTTs or push HTTPs.
  - To connect to your Etic box please refer to the Quick Start.



• Create a data source (equipment on which you want to record variables in Modbus TCP)

		IPL-C-400-LE Demonstration
TELECOM	Documentation   EN   FR	
Home Setup	> Home > Collect&Alert > Data sources > ModBus server settings           Save         Cancel         Page has unsaved changes	
<ul> <li>Diagnostics</li> <li>Maintenance</li> </ul>	Enabled	
About	Data source name         PLC_power_plant           Sampling period (seconds)         10         (1 to 600, step 1)	
Collect&Alert Data sources Variables	Timeout (per variable)(seconds)0.5(0.1 to 60, step 0.1)IP adress of the ModBus server192.168.38.209	
Alert cycles Synoptics	Advanced settings	
ModBus polling state Alert status Alert log		

• Variables creation

	Documentation   EN   FR		IPL-C-400-LE Demonstration
Home  Setup  Diagnostics	> Home > Collect&Alert > Variables > Variables           Save         Cancel         Page has unsaved changes	es	
Maintenance	Name	General_Plant_Power	
About	Acquisition		
Collect&Alert	Variable type	Modbus ~	
Data sources	Data source	NUC_Baie ~	
Variables	Register address	128	
Alert cycles Synoptics	Calibration		
	Туре	Unsigned 16bit integer $\sim$	
ModBus polling state	Decimal places	2 (0 to 10, step 1)	
Alert status Alert log	Gain	1	
	Offset	0	
	Unit	MW	
	Alarm triggering		
	Alarm trigger	Trigger if var < low threshold $\sim$	
	Low threshold	5	
	Acknowledge required		
		Low production power	
	Failure description		
	Save Cancel Back		

#### **Diagnostic:**

• You can check the status of the ModBus collection.

							Demonstration
	Documentatio	n   EN   FR					
ome	> Home >	> Collect&Alert > ModB	us polling	state			
Setup Diagnostics Maintenance	ModBus s	ervers					
About		Server name	•	Polling state	Polling cycle duration	ModBus state	TCP connection status
	۲	PLC_Power_Plant		Polling	38 ms	ОК	Connected
Collect&Alert Data sources	Polled val	ues					< >
Variables		Pur	np_pressure	1			
Alert cycles			pollerr				
Synoptics			Water_level	63			
ModBus polling state		General_	plant_power	2.67			
Alert status		Тор	_water_level	0			
Alert log			Fuel_Level	149			
		T_mote	ur_pompe_1	20			
			Digital_Input	0			

- Data management
- On the Etic Box: prerequisites
- On the Etic Box: configuration
- On the Etic Box: diagnostic



#### Data management:

- The Etic box pushes data to the Store4Me cloud.
- The Store4Me cloud is partitioned into several entities called "organizations"
- The Etic box is configured to determine to which organization the data shall be pushed ( "organization ID" field ).
- Access to the data is only for the users of the « organization ».
- It is not possible to visualize data from another organization
- Your organization ID is available from your customer area
- Data hosted on the Store4Me cloud can be accessed through an API
- This data can be easily displayed in: Excel or Google Data Studio (PowerBI and Grafana coming soon)
- To display the data in Excel or Google Data Studio you can refer to our application note on our web site in our support section



On the Etic Box :

#### **Prerequisites:**

- An Etic Box connected to Internet
- TCP 8883 port to devices.eticdisplay.com shall be open.
- MQTTs protocol is used.



#### **On the Etic Box**

• Configure the data to send to the Store4Me cloud solution

			<ul> <li>Fill in your organization ID</li> </ul>
	Documentation   EN   FR   Log off (admin as Su	ıperadmin)	
Home  Setup Diagnostics	> Home > Datalogger > Setup > Store4Me		The organization ID is available from your
Maintenance	Enable		customer area
About		yje678i7nc	
	Publication period (seconds)		
Collect&Alert     Datalogger	Send message only if a value has changed		( 🖿 ACCOUNT_OF_FIRSTNAME_LASTNAME ) ND
Setup CSV logs CSV logs sharing Store4Me MQTT HTTP	Variables to publish	✓     Latitude       ✓     Longitude	Account_of_firstname_lastname Organization ID: vie678i7nc
Diagnostics	GPS data to publish		CHANGE ORGANIZATION
	Save Cancel		
			<ul> <li>Choose the data sending period</li> <li>Choose the variables to be sent</li> </ul>

#### **On the Etic Box**

• You can verify that the data is sent to the Store4Me cloud.

Documentation   EN   FR   Log off (admining the second		• Othe	rwise:	the "connected" status	
Datalogger     Last message sent			-	your DNS configuratio	
<pre>&gt; Setup Diagnostics MOTT HTTP Logs</pre> > } } "error": "unit": "", "value": "unix_ts": "name": "longit "longitude": { }, "error": "unit": "m/s", "value": "unit": "m/s", "value": "unit": "m/s", "value": "unit": "m/s", "value": "unit": "m/s", "value": "unit": "m/s", "value": "unit": "m, "value": "unit": "m, "value": "unit": "m, "value": "unit": "m, "value": "unit": "m, "value": "unit": "m, "unit": "m, "value": "unit": "m, "value": "unit": "m, "value": "unit": "m, "value": "unit": "m, "value": "unit": "m, "value": "unit": "m, "value": "unit": "m, "value": "unit": "m, "value": "unit": "m, "unit": "m	false 0, 1671029964, false 0, 1671029964, 1671029964,	Ċ	Accueil > Configuration Diagnostics va Journaux Certificat actif e Etat du réseau p: Statistiques 64 Outils 66 Outils 66 Ping	entation   EN   FR Accueil > Diagnostics > Outils > Ping ous pouvez tester de manière simple la configuration de votre réseau. titicnet1.com ping VING eticnet1.com (91.121.38.39): 56 data bytes 4 bytes from 91.121.38.39: seq=0 ttl=53 time=32.099 ms 4 bytes from 91.121.38.39: seq=1 ttl=53 time=32.577 ms eticnet1.com ping statistics packets transmitted, 2 packets received, 0% packet loss ound-trip min/avg/max = 32.577/32.838/33.099 ms	

#### SUM UP

- You have configured Collect & Alert on your Etic boxes
- You have configured the Data Logger on your Etic boxes
- Now you can come back in your customer area to create your application and visualize your data.



## **CREATE AN APPLICATION (1/3)**

 From the home page of your customer area, click on « Store4Me » and add a new application

	ces Store4Me	ACCOUNT_OF_FIRSTNAME_LAS	
Applications 0 Application	Add		
Search	Q		
No data available			



## **CREATE AN APPLICATION (2/3)**

• Choose the name of your application

Create application

Name\* My Application

'\*' indicates required field

CREATE

CLOSE

## **CREATE AN APPLICATION (3/3)**

 If you have the error message below, make sure the user has the rights to create an application (in the user access control window check that for the Store4Me section « with editor role » is checked, go to the <u>Activation of Store4Me</u> slide)

Create application		
not permited, only account_editor		
Name* Application N°1		
'*' indicates required field		Ň
	CLOSE	CREATE



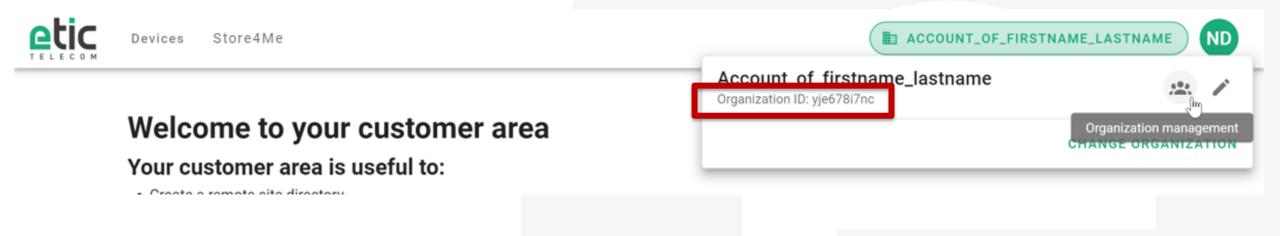
## ADDING DATA SOURCES (1/4)

- For each application you can add several data sources.
- By default an empty EticDISPLAY web page is created and named « untitled »

	vices	Store4Me		ACCOUNT_OF_FIRSTNAME_LASTNAME
Applications 1 Application	+	Data source	Search	Q +
Search	Q	name		Actions
Application N°1	:		No data available	
				Rows per page: 32 💌 – < >
		Pages	Search	् ⊵ +
		untitled		
		VIEW >		
				Items per page: 32 👻 1-1 of 1 < >

### ADDING DATA SOURCES (2/4)

- NOTE: each ETIC box must be configured to send data to a unique organization identifier. This identifier is automatically and randomly generated.
  - You can find this identifier from your customer area, below your organization name here:



#### ADDING DATA SOURCES (3/4)

 The product key is on the « About » page of your Etic box when you are connected to it.

	> Home > About	
	Product information	
	Firmware version	v4.6.8
	Software options	Collect&Alert, M2Me
Add a data source	Collect&Alert version	v1.6.4
	Product type	RAS-ECW-220-LE
Name*	Product key	A31A8761-76B4-4BAD-9F48-E56FF8D1BF54
Source N°1		
Product key* a31a8761-76b4-4bad-9f48-e56ff8d1bf54		
'*' indicates required field		
		CLOSE CREATE
		m_

Note: By clicking on the arrow, several product keys will be suggested thanks to the products configured earlier.

# ADDING DATA SOURCES (4/4)

	ices Stor	re4Me			F_FIRSTN	AME_LAST	NAME	) ND
Applications 1 Application	+	Data source	Search			(	2	+
Search	Q	name						Actions
Application N°1	:	Source N°1					cþ 🖍	Î
				Rows per page:	32 🔻	1-1 of 1	<	>
		Pages	Search			Q	₽.	+
		untitled						
		view →						
				Items per page:	32 🔻	1-1 of 1	<	>

2

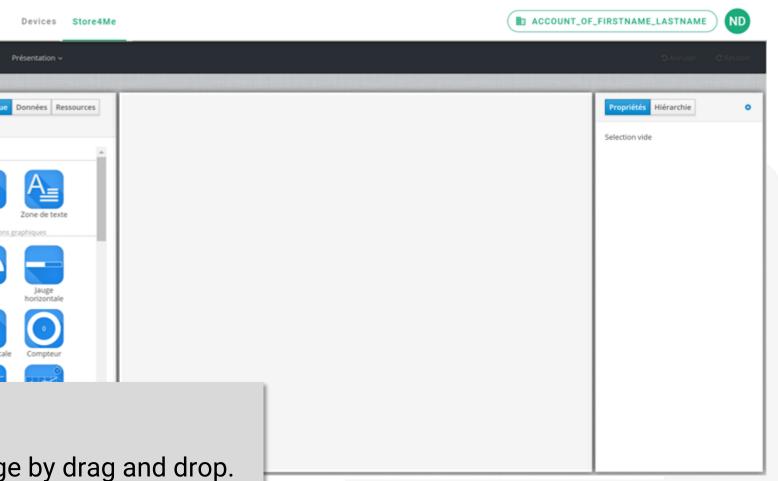
#### **ETIC DISPLAY EDITOR ACCESS**

 Once your data source is configured, you can access the web page editor EticDisplay and edit your page (or creating a new one by clicking on the «+» sign)

Devices Store4Me			ACCOUNT_OF_FIRSTNAME_LASTNAME			
Applications Application	+	Data source	Search		Q	+
earch	Q	name				Actions
Application N°1	:	Source N*1			сþ	/ 8
				Rows per page: 32 👻	1-1 of 1	< >
		Pages	Search		٩	₽, +
		untitled Edit	)			e +
		Delete		Items per page: 32 👻	1-1 of 1	< >

## **UTILISATION DE L'EDITEUR ETIC DISPLAY**

- You find here EticDISPLAY web page editor
- In the centre, the web page construction zone



- The « Library » (Bibliothèque) tab:
  - It contains the different widgets.
  - Widgets can be added to the page by drag and drop.

etic

Containers are graphic elements for structuring the page.



#### LES SOURCES DE DONNEES DE L'EDITEUR ETIC DISPLAY

In the « **Data** » (Données) tab you find the data sources you have configured in your customer area

Produits Store4Me	ACCOUNT_OF	
Édition ~ Présentation ~		<b>DAnnuler</b> C Rétablic
P	age > Grille > Rangée 2 > Graph. temporel "latitude, lo"	
Bibliothèque Données Ressources		Propriétés Hiérarchie
•	Titre	Remplissage
		Titre latitude
~ ddn-type-ETIC_DEVICE	45.2065845090 latitude	Unité
✓ ■ Source N°1	5.7866585750 longitude	Graphe 2 G
		Visible 🗹
~ 🖿 devices	46.000000 6.000000	Valeur 🖋 longitude.
Nombre d'éléments: 5	45.800000 5.800000	Axe Y Défini par des bornes h
	45,600000 5,600000	Borne haute axe Y
> 🗑 altitude		Borne basse axe Y 5
- Olatinate	45.400000 5.400000	Graduation 🗹 visible
> 😧 latitude	45.200000 5.200000	Nombre de décimales axe
> 🗑 longitude	45.000000	Logarithmique
	latitude longitude	Puce Rond ~
> 🕅 metadata		Épaisseur du 1 pixel ~
> 🗑 speed		Remplissage
		<

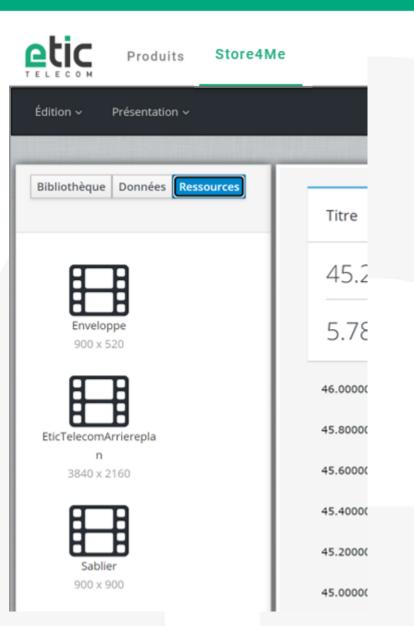
### ADDING GRAPHICAL ASSETS TO BE USED WITH THE ETIC DISPLAY EDITOR

 To add new pictures to be used within the EticDISPLAY editor, click on the following icon:

	ices Sto	ore4Me		ACCOUNT_OF_FIRSTNAME_LASTNAME ND
Applications 1 Application	+	Data source	Search	Q +
Search	Q	name		Actions
Application N°1	:	Source N°1		-j. 🖌 📋
				Rows per page: 32  ┳ 1-1 of 1 < >
		Pages	Search	۹ 🔥 +
		untitled		
		VIEW >		
				Items per page: 32 💌 1-1 of 1 < >

### ADDING GRAPHICAL ASSETS TO BE USED WITH THE ETIC DISPLAY EDITOR

 In the EticDISPLAY editor you will find your different pictures and images in the « Assets » tab (Ressources).





### THE ETIC DISPLAY EDITOR USE

• You can find more explanations and tutorial on how to use the EticDISPLAY editor on our website under the support section.





13, chemin du Vieux Chêne www.etictelecom.com