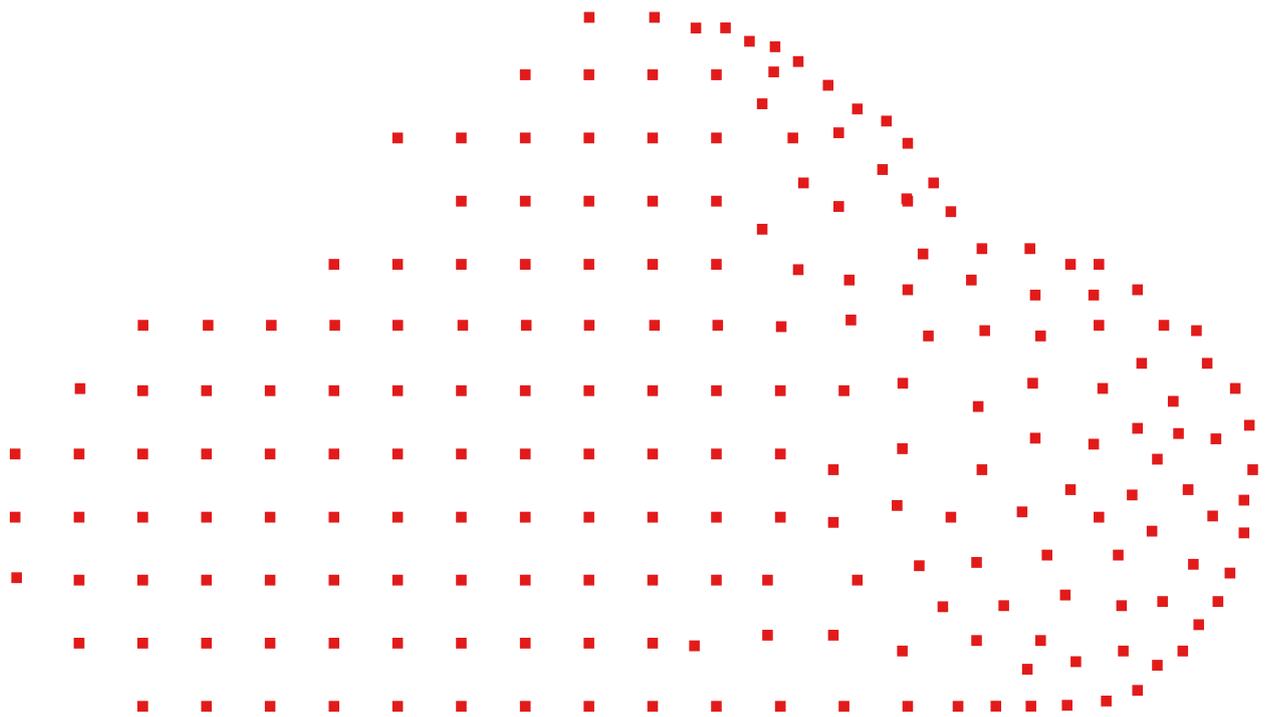


VISIT [HTTPS://ARANET.CLOUD/](https://ARANET.CLOUD/)

User guide

Aranet Cloud



VER 1.5
VALID STARTING
ARANET CLOUD V2.2.1
SEPTEMBER 2024

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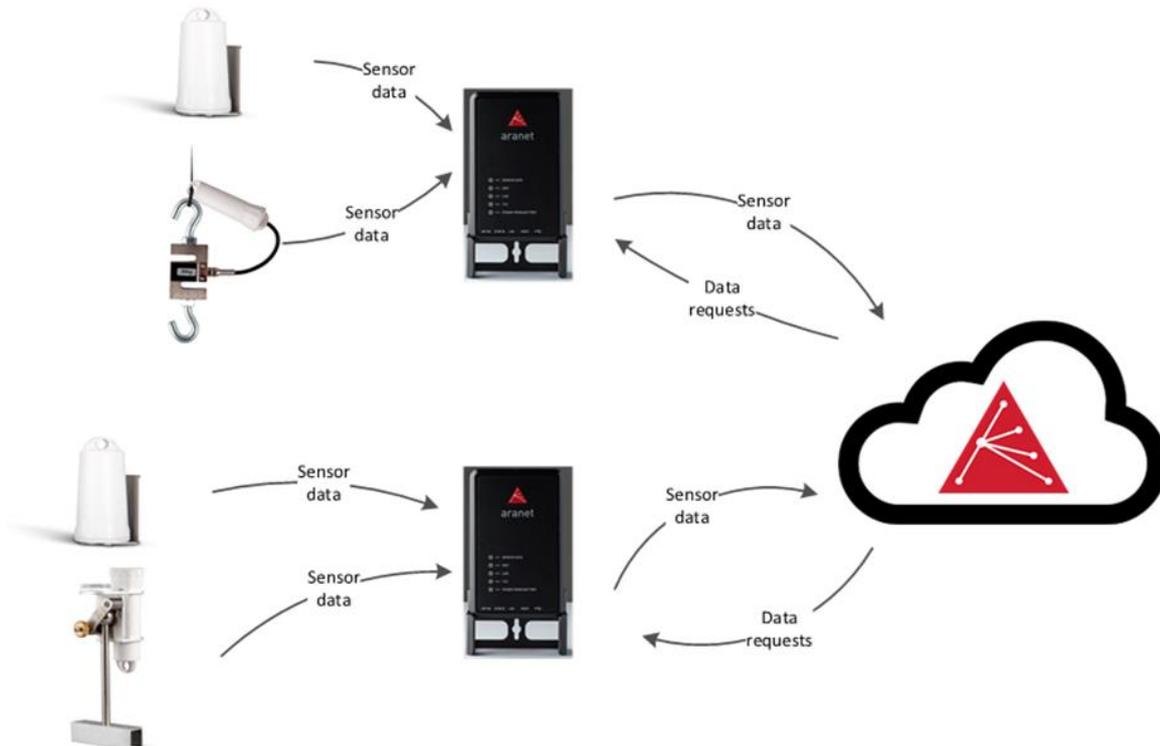
Overview

Aranet is a smart wireless monitoring IoT solution that collects, records, reports, and analyses data from distributed sensor networks. Basic Aranet implementation consists of:

- 1) at least one PRO base station that gathers data and
- 2) sensors that connect to a base station and make a local wireless data network.

Data from the Aranet sensors can be accessed and viewed by

- 1) connecting locally to a PRO base station IP address with the latest version of *Chrome, Safari, or Edge* WEB browser.
- 2) in the Aranet Cloud platform when the PRO base station is connected to the Internet. Aranet Cloud is accessible from any place on the globe where an Internet connection is available.



Aranet Cloud is an industrial-grade solution for the Aranet IoT ecosystems' remote management. Aranet Cloud can connect to an unlimited number of Aranet PRO/PRO+ Bases and store measurements from all sensors in one environment.

The Aranet Cloud platform provides a WEB interface where any person can register a new user account, then using specified authentication details (e-mail and password) the user can log in and access their account on the platform. Registered users can further connect/register an unlimited number of Aranet PRO/PRO+ base stations which sensor data will then be accessible on the Aranet Cloud platform.

Aranet Cloud receives data from PRO/PRO+ base stations using HTTPS protocol on TCP port 443. The data transmission is designed so that the system configuration is as simple as possible without the need for any specific network configuration. Just connect the Aranet PRO/PRO+ base station to the internet and start using Aranet Cloud.

The Aranet Cloud platform allows the viewing of live and historical sensor measurement data from all the sensors which are paired to Cloud-registered PRO/PRO+ base stations. Additionally, in the Aranet Cloud platform, any user can also:

- 1) share sensor data with other users of the Aranet Cloud platform by sending an invitation.
- 2) send sensor data in SenML+JSON file format via a push-type integration API to any 3rd party system endpoint (server, computer, another Cloud platform, etc.) capable of receiving such files.
- 3) access sensor measurements via pull-type API.
- 4) export measurement data to *.csv, .xlsx, or .pdf* file.

5) share CO2 sensor data as an HTML page link.



Note that data from sensors cannot be directly sent to Aranet Cloud. Sensors can only be paired with Aranet PRO/PRO+ base stations which gather sensor data and communicate with Aranet Cloud (with an Internet connection and the proper Cloud registration).

Aranet Cloud server infrastructure is hosted in a secure data center managed by SAF Tehnika. This infrastructure is built to avoid any single point of failure and is supported with full redundancy by having two independent internet connections, two firewall units, two network core switches, etc.

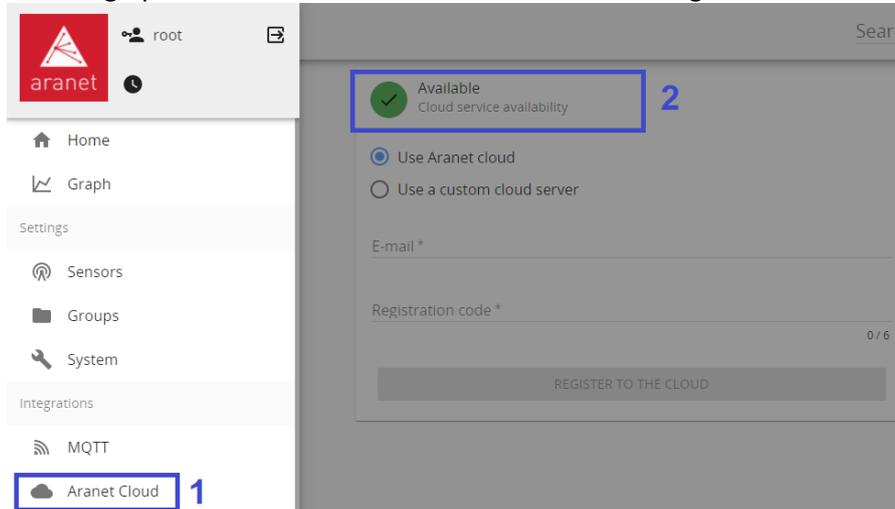
Note that Aranet4 HOME and Aranet MINI base station products are not compatible and cannot be used with the Aranet Cloud platform.

1. Prerequisites for base station registration

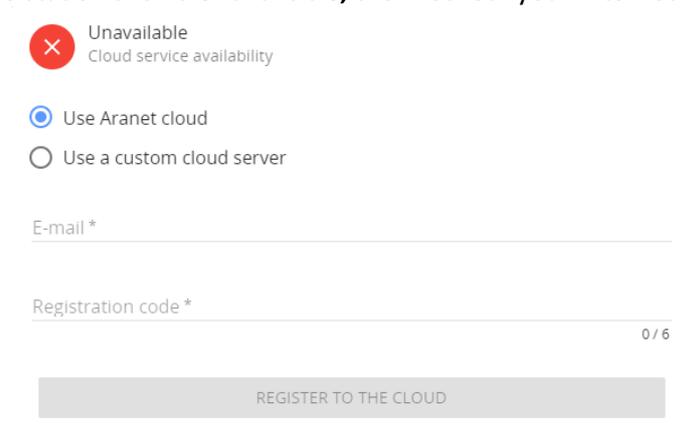
Before setting up an Aranet PRO/PRO+ base station on the Aranet Cloud platform a couple of things should be verified and provided:

1. The user has any type of device with a working Internet connection and a WEB browser installed on it.
2. The user has access to an e-mail account that can be used for new account registration in the Aranet Cloud platform.
3. The user has access via a WEB graphical interface to an Aranet PRO/PRO+ base station that he wants to register/connect in the Aranet Cloud platform.
4. The same Aranet PRO/PRO+ base station is properly connected to the Internet and has at least firmware version 2.4.6.
5. If your network has firewall protection, please ensure that **Port 443** and access to the **Cloudflare** IP addresses pool (<https://www.cloudflare.com/en-gb/ips/>) is open for Aranet PRO/PRO+ base station in the local network configuration.

If the Aranet PRO/PRO+ base station can access the Aranet Cloud platform it will have a section **Aranet Cloud** in the main menu of the WEB graphical user interface that will show the message that **Cloud service is Available**:



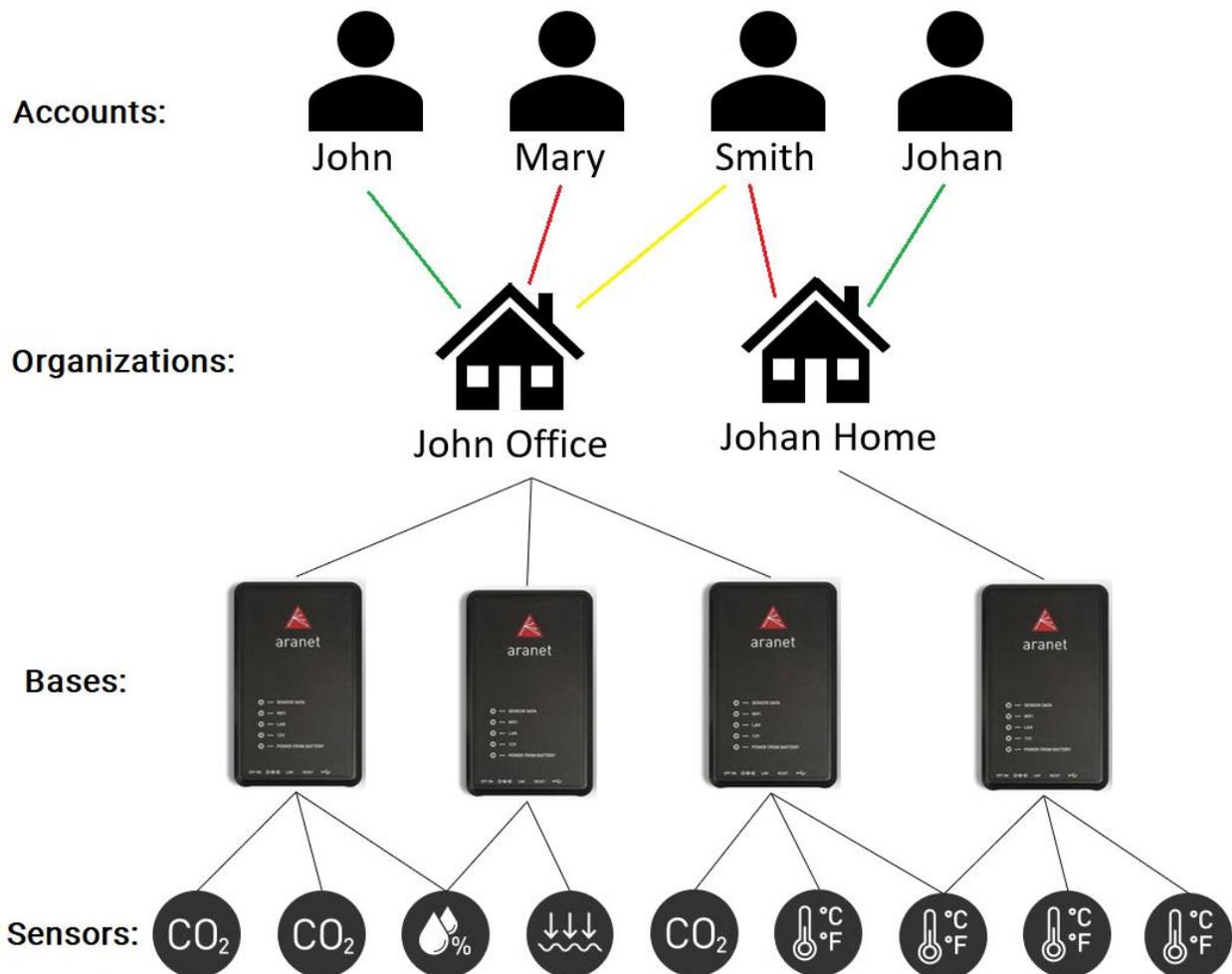
If the Aranet PRO/PRO+ base station is missing the **Aranet Cloud** section, update to the newest firmware version from the official Aranet web page Downloads subsection **Firmware updates**: <https://aranet.com/downloads/>
If the Aranet PRO/PRO+ base station shows **Unavailable**, then recheck your Internet connection.



2. Logical entities of Cloud structure

To understand the Aranet Cloud WEB interface we start with the primary entities and objects which form the Aranet Cloud structure:

- 1) Accounts.
- 2) Organizations.
- 3) Bases.
- 4) Sensors.



The bases and Sensors are self-explanatory entities by their name which accordingly represent Aranet PRO/PRO+ base stations and the sensors that are paired to them.

Account entities are registered user accounts in the Aranet Cloud platform. User accounts have their own private space on the Aranet Cloud platform. To access data a user account needs to create or join entities called Organizations.

Organization entities are like an intermediary medium that is utilized by Accounts to gather, see, and visualize data from Bases and can easily share data with other Aranet Cloud Accounts or 3rd party systems. Each Account can have one of 3 different roles in each Organization: Owner, Administrator or User:

- 1) Owner - each Organization is created by an Account which is then assigned the Owner role in the Organization (depicted with **green lines** in the figure above). The owner has full control over the created Organization's settings and data – the so-called write rights for all the sections of the Organization. Each Organization has only one Owner who can change all the settings on the Organization and see all the data available on it. The owner can add or remove other Accounts to the Organization, change their roles and view (read) or modify (write) rights in the Organization, but other Accounts in the Organization can't change the Owner's rights or remove the Owner from the Organization. The owner can add (register) new Bases to

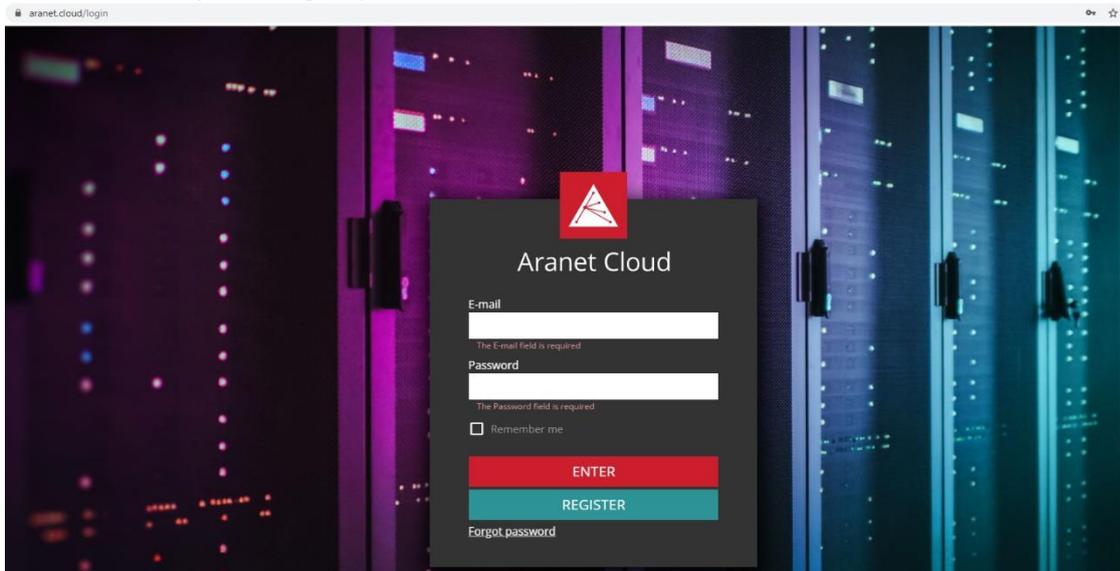
the Organization and share sensor data from such Bases with other Accounts on the Aranet Cloud system or some 3rd party systems.

- 2) Administrator – Account with the same rights as the Owner in the Organization except the Administrator can't change the rights or role of the Owner. Each Organization can have an unlimited number of Administrators (depicted with **red arrows** in the figure above).
- 3) User – An account which can have just individual viewing and/or modifying rights in different sections, available in each Organization (depicted with **yellow arrows** in the figure above). User accounts can be configured so that they can just view data in the organization but can't modify any of its' settings.

Owners, Administrators, and even Users if they have writing rights can register Bases to Organizations. When the Base is registered to an organization it will send all of its Sensor measurement data to the Organization. Each Base can only be registered to one Organization at a time (an unlimited number of Bases can be registered to the same Organization).

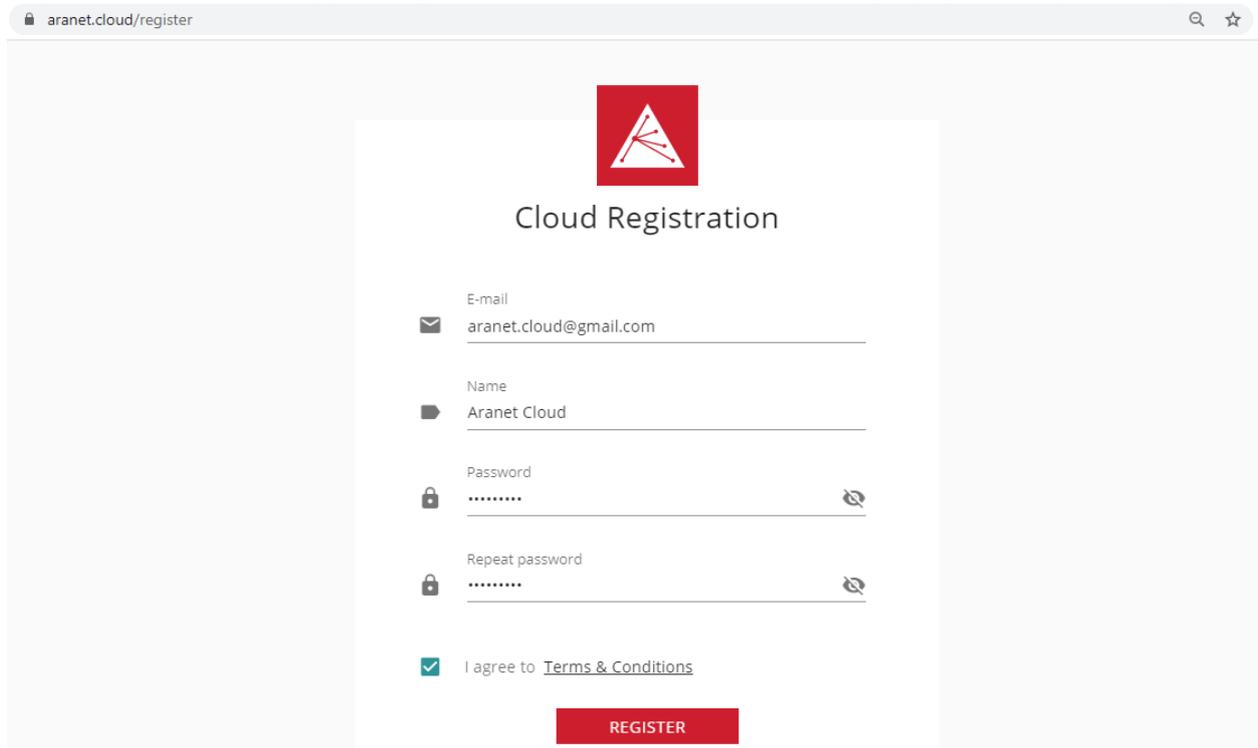
3. Accessing The Cloud WEB GUI

The Aranet Cloud platform can be accessed with any WEB browser (the latest versions of Chrome, Safari or Edge are recommended) by entering <https://aranet.cloud/>:



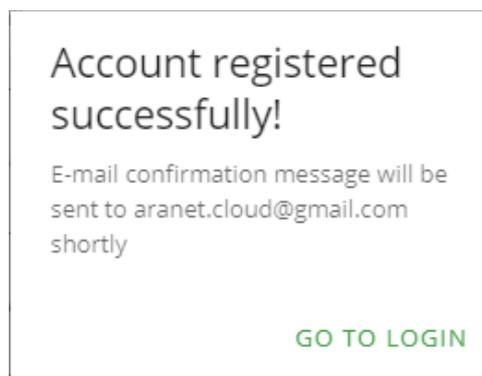
4. User account registration

To access and use the Aranet Cloud platform the user first must register a new account on the platform. A new user account can be created by pressing the **REGISTER** button on the main login page of the platform:



- 1) **E-mail** – e-mail account, that will be used for user account acknowledgement and afterwards will serve as login data to access the Aranet Cloud system.
- 2) **Name** – will be used as the user account profile name.
- 3) **Password** – will serve as login data to access the Aranet Cloud system.
- 4) **Repeat Password** – The password confirmation field.
- 5) **I agree to Terms and Conditions** – click to accept SAF Tehnika terms and conditions on Aranet Cloud usage: <https://aranet.cloud/terms-and-conditions>

When all the necessary data is entered click **REGISTER** - a pop-up message about successful account registration will appear:



After a successful registration, the new Cloud account needs to be acknowledged and the user must go to their previously entered e-mail account where he should have a new e-mail message with the subject **Confirmation of your Aranet Cloud registration** from noreply@aranet.cloud. If such a message is not delivered, then first check Your e-mail spam/junk filter and all other possible folders. If the message is still not found, then contact Aranet technical support for assistance support@aranet.com.

The Cloud registration confirmation message should be opened, and the new user account registration should be completed by pressing on the **CONFIRM EMAIL ADDRESS** link in the message:

Confirmation of your Aranet Cloud registration

noreply@aranet.cloud



Welcome to
ARANET CLOUD

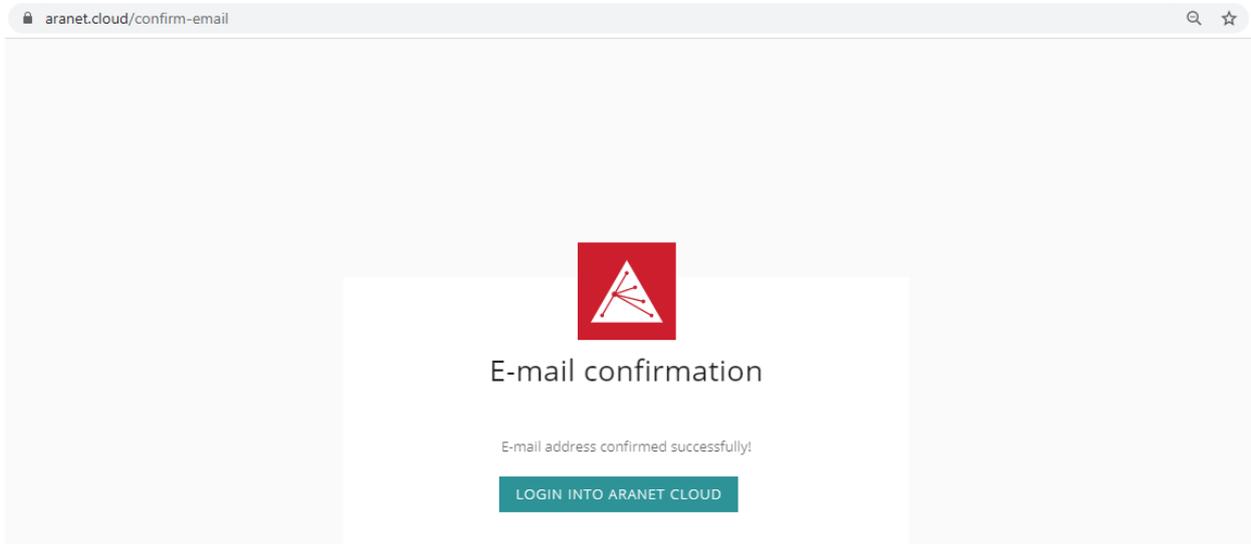
You have successfully created an ARANET CLOUD account. Please confirm your email address by clicking the button below

CONFIRM EMAIL ADDRESS

If you have problems accessing your ARANET CLOUD account, contact us at support@aranet.com

You are receiving this email because you have registered an account at ARANET CLOUD (<https://aranet.cloud/>)
You can view ARANET CLOUD Terms & Conditions at [Terms & Conditions](#)

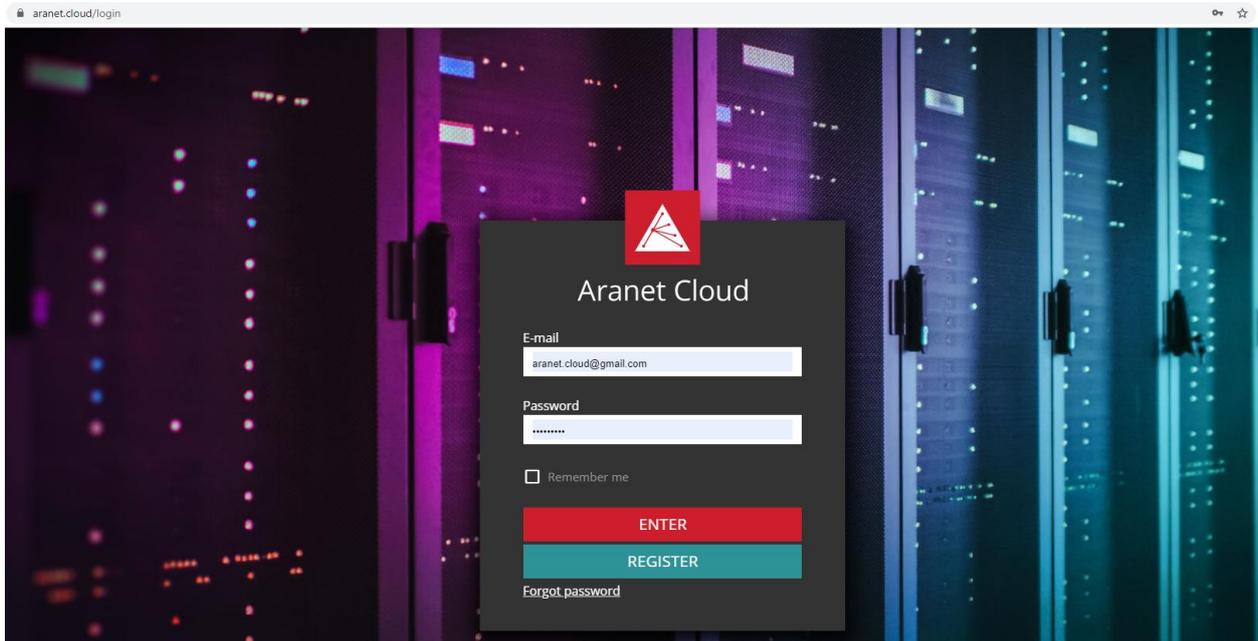
Pressing on the **CONFIRM EMAIL ADDRESS** link will open a new WEB page with a success message about the e-mail address confirmation which also finalizes the new Aranet Cloud user account registration process:



Pressing on the **LOGIN INTO ARANET CLOUD** button will open the main Aranet Cloud platform login page <https://aranet.cloud/login>.

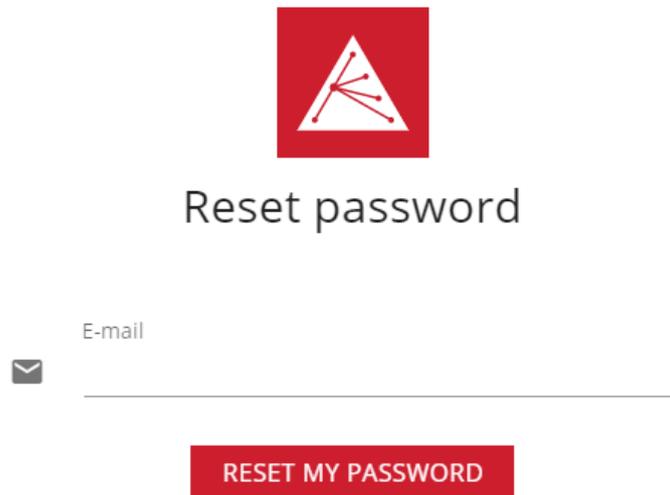
5. Login to the Cloud

After account creation, the user needs to enter his previously selected e-mail address and password and then press the **ENTER** button on Aranet Cloud main login page to access his account in the platform:



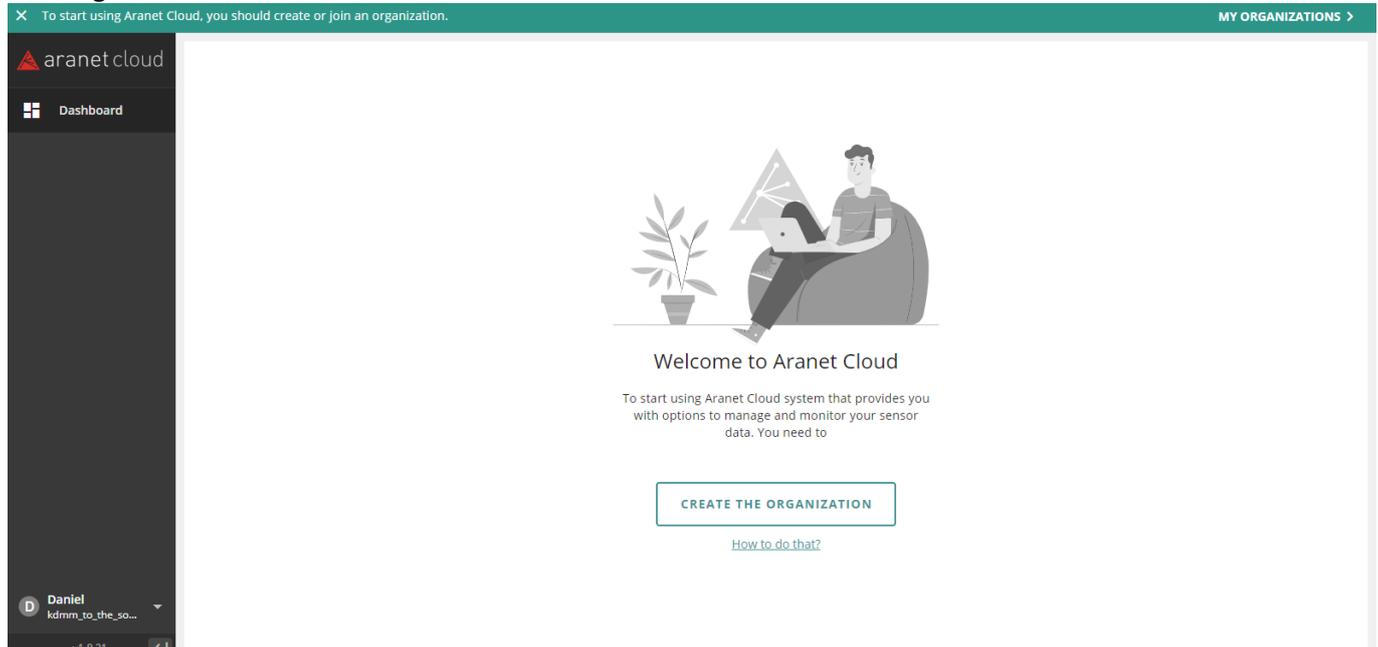
Additionally, a **Remember me** checkbox can be selected to save the user account login details in the used WEB browser settings for future ease of use.

Forgot password should be pressed if the password has been forgotten. Such an operation will open **Reset password** page where a user needs to enter the e-mail address for the account with the forgotten password and the Aranet Cloud system then will send an e-mail message with a temporary link for a new password entering for the requested Aranet Cloud user account.



6. New organization creation

To see sensor data from the Aranet PRO/PRO+ base stations and use other Aranet Cloud services a registered user must be affiliated with an Aranet Cloud organization. After the initial log in, the user is prompted to create a new organization:



This process is divided into 3 steps where the user needs to:

- 1) Select the **License type** that will be used for the new organization.
- 2) in **Organization type** select what kind of legal entity will be responsible for payment of invoices for purchased operational licenses of the new organization.
- 3) Enter the organization's contacts/payer/billing **data**.

License type

As Aranet Cloud services can be accessed only with time-limited licenses, the user first must select the type of license that will be used for the new organization:

- 1) **FREE TRIAL** – the trial license will be applied to the new organization which will allow using it with full Aranet Cloud functionality free of charge for 30 days.



Note that if an Aranet PRO/PRO+ base station had been previously registered to an organization with a free trial license, then it will not be possible to register it again to a second organization with a free trial license.

- 2) **BUY LICENSE** – should be selected when the user wants to buy an Aranet Cloud license immediately. At this step, just the type of the license is selected, but the actual purchase order for the license will be created later in the process:

× Create new organization



License type



Trial period allows You to explore Aranet Cloud functionality.

- 30 days free of charge
- functionality may be limited
- no credit card required
- each Pro base can be used once for trial

FREE TRIAL



Buy Aranet Cloud license to expand your monitoring capabilities.

- unlimited functionality
- multi-location sensor data capture
- data access from anywhere and any type of device
- integrations with other systems

BUY LICENSE

Organization data

In this step, the user needs to enter the contact details for the legal entity which will represent the new organization. In case the Aranet Cloud license is purchased, then this data will be used to autofill billing address details in the order invoice. The appearance of the **Organization data** page will slightly differ depending on the organization type selected previously. If **PRIVATE** was selected, then the **First name** and **Last name** fields will be shown and must be filled. If **COMPANY** was selected, then the **Company name** and optionally **VAT number** (if the company has it) fields will be shown and should be filled (please note, **VAT** field will appear after choosing **Country**):

× Create new organization

Name of your organization

Usage

 Company Private

This company is a VAT payer

Contacts & billing address

Information required above will be used for Aranet Cloud invoice when you purchase Cloud services.

× Create new organization



Name of your organization

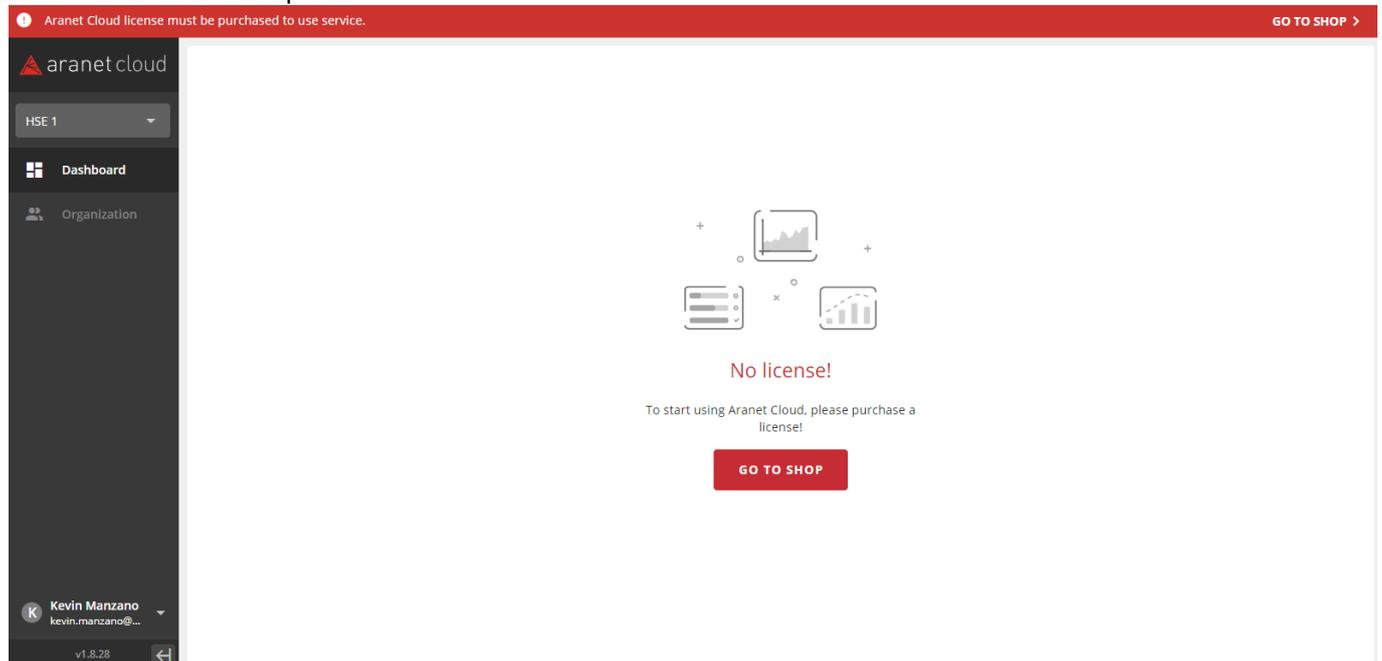
Usage

 Company Private

Contacts & billing address

Information required above will be used for Aranet Cloud invoice when you purchase Cloud services.

When all the Organization data page mandatory fields are filled, then the **CREATE ORGANIZATION** button can be pressed. Such an operation will create a new Cloud organization with the **Name** which was entered in the **Organization Name** field. The user who created the new organization will have the *Owner* role with unlimited permission levels (viewing and editing rights) in the organization. If the user selected **BUY LICENCE** at the first step of the Organization creation process, then the page directing the user to the **SHOP** will open:

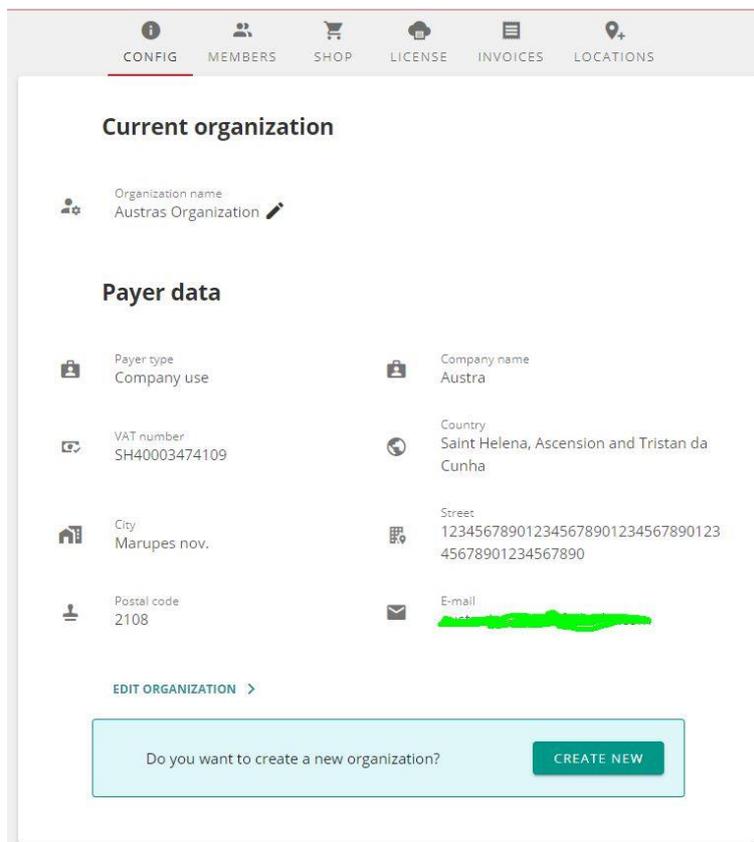


Note that during the new organization creation process the user can go back to the previous steps

by clicking on the digit icon of the required step, f.e. , and change his selection in these steps.

If the organization has already been created by pressing the **CREATE ORGANIZATION** button, then it will not be possible to make changes to the **License type** and **Organization type**.

Still, it will be possible to change the Organization contacts/billing data by going to the section **ORGANIZATION** tab **CONFIG** and clicking on the Edit icon  or **EDIT ORGANIZATION** button in the **Payer data** subsection:



Current organization

Organization name
Austras Organization 

Payer data

Payer type Company use	Company name Austra
VAT number SH40003474109	Country Saint Helena, Ascension and Tristan da Cunha
City Marupes nov.	Street 1234567890123456789012345678901234567890
Postal code 2108	E-mail [redacted]

[EDIT ORGANIZATION >](#)

Do you want to create a new organization? [CREATE NEW](#)

If the user has selected the **FREE TRIAL** license type during the new organization creation process, the license purchase step is skipped, and the user can proceed with the Aranet PRO/PRO+ base station registration by clicking the **REGISTER** button (see further chapter [Base Station Registration](#)).



Note, if an Aranet PRO/PRO+ base station had been previously registered to an organization with a free trial license, then it will not be possible to register it again to a second organization with a free trial license.

If the user selected a FREE TRIAL license, it is possible at any time to update the organization license by purchasing a time-based operational license (see Chapter [Purchase of License](#)).

7. Purchase of license

If the user has selected to **BUY LICENSE** in the initial new organization creation process the user will be prompted to go to the Aranet Cloud **SHOP** section and purchase a suitable time-based license.



Note the license applies to the entire organization. An unlimited number of Aranet Cloud user accounts can be invited to join the organization and see sensor data from Aranet PRO/PRO+ bases registered to the organization.

For the license purchase, a user can go to the Aranet Cloud **SHOP** section either:

- 1) from the **DASHBOARD** section by clicking on the **GO TO SHOP** button or
- 2) clicking on the **ORGANIZATION** section from the main menu left side panel and then selecting the **SHOP** tab:

The license purchase process consists of 3 steps:

Pick services.

Here the user selects the [license type](#), the number of bases and sensors.

The addition of an **item** is done by clicking on the “+” or “-” icon which will adjust:

- the **base** number by one (an appropriate number of bases should be selected as Aranet Cloud will not allow registering more base stations than are available by the license);
- the **sensors** number by pack – 6, 12, 50, 100 pcs.



Note that **Sensor** packs purchased should match the maximum number of sensors that will be paired to all the **Bases** registered for an organization (20,000 **Sensors** max). If a new Aranet PRO/PRO+ base registration is denied due to exceeding the limit of the licensed base or sensor number, then it will be necessary first to update the Aranet Cloud license.

Cart

This page shows what Aranet Cloud services will be purchased with the license order, their price breakdown and what the final invoice will look like.

On this page, the user can:

Buy cloud services

1 Pick services 2 Cart 3 Order

License

Month till 09-Jan-2022

Year till 10-Dec-2022 **10% DISCOUNT**

Bill to:

Andrejs Arhipovs
Some street, Some City, Some Code, Latvia

Aranet services	Price	Quantity	Total
Aranet Cloud starter kit (PRO base station + 6 sensors) /365 days 10-Dec-2021 - 10-Dec-2022	72.00 EUR	x 1	72.00 EUR
Aranet Cloud 12 virtual sensors pack /365 days 10-Dec-2021 - 10-Dec-2022	24.00 EUR	x 1	24.00 EUR
Aranet Cloud 12 public monitor /365 days 10-Dec-2021 - 10-Dec-2022	12.00 EUR	x 1	12.00 EUR

Subtotal **108.00 EUR**

Volume discount at 10% **10.80 EUR**

VAT charged at 21% **20.41 EUR**

Pay with : **CARD PAYMENT** BANK TRANSFER Currency : **EUR** USD

TOTAL 117.61 EUR

Agree to receive recurring orders

PLACE ORDER

- 1) choose the period (1 **Month** or 1 **Year**) for the license operation by clicking on the appropriate radio button. The end date of the license will be shown next to the selection.
- 2) see and edit the **Bill to** details for the payer of the license, and purchase order invoice. These details were entered during the new organization creation process and are also visible in the ORGANIZATION tab SETTINGS subsection PAYER DATA. Clicking on the edit icon will open the window where the Payer data of the organization can be modified and saved by pressing on the checkmark icon . Saved changes will not only modify the billing details for the invoice under creation in the **Cart** page but will also change the Payer data in the general organization settings.

- 3) see the **Aranet** Cloud licensed **services** that will be purchased in the order and a summary of the pricing.
- 4) The user can choose how to pay for the purchase of an Aranet Cloud license: with **CARD PAYMENT** or **BANK TRANSFER**.
- 5) The user can also choose the **Currency** type (click on the **EUR** icon for Euros or the **USD** icon for US dollars) for the license purchase order invoice.
- 6) If the checkbox *“Agree to receive recurring orders”* is checked then a new order for the extension of the purchased license operation will be generated right before its expiration time.

When order details are verified, then the **PLACE ORDER** button should be pressed. This will create an invoice document for the order and forward the user to the last step of the license purchase process.

Order

In this last step, the user will see the bank details to wire funds for the invoice total.

Buy cloud services



**Aranet
Cloud**

Invoice number: **ARANET-21-534521**
 Created at: **10-Dec-2021**
 Due date: **15-Dec-2021**
 Payment type: **Card payment**
 Status: **Awaiting payment**

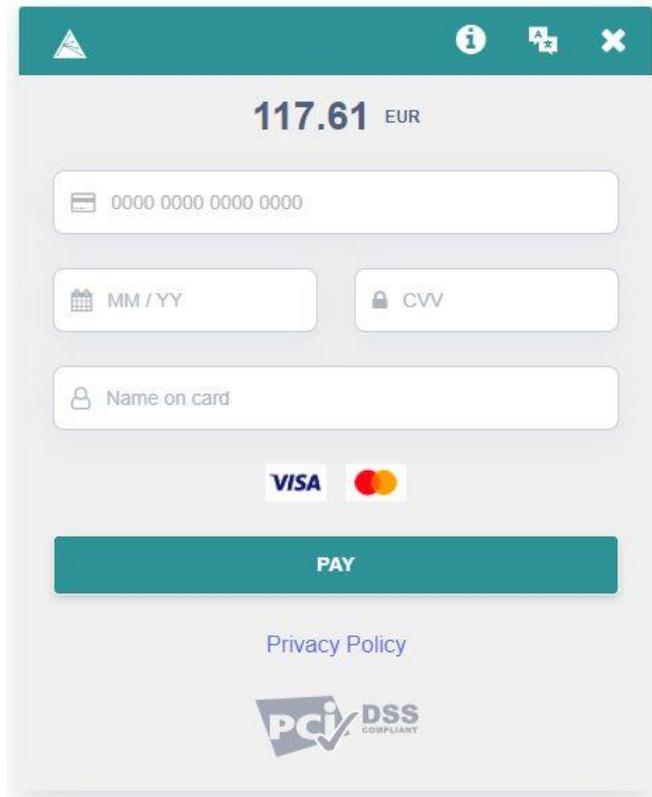
<p>Supplier: AS SAF Tehnika LV40003474109 Ganību dambis 24a, Rīga, LV-1005, Latvia +371 670 468 40 Swedbank AS LV69HABA01308055220ST</p>	<p>Bill to: Andrejs Arhipovs Some street, Some City, Some Code, Latvia</p>	<p>Invoice file:</p>   <p>Proforma Invoice</p>
--	--	---

Aranet services	Price	Quantity	Total
Aranet Cloud starter kit (PRO base station + 6 sensors) /365 days <small>10-Dec-2021 - 10-Dec-2022</small>	72.00 EUR	x 1	72.00 EUR
Aranet Cloud 12 virtual sensors pack /365 days <small>10-Dec-2021 - 10-Dec-2022</small>	24.00 EUR	x 1	24.00 EUR
Aranet Cloud 12 public monitor /365 days <small>10-Dec-2021 - 10-Dec-2022</small>	12.00 EUR	x 1	12.00 EUR
Subtotal			108.00 EUR
Volume discount at 10%			10.80 EUR
VAT charged at 21%			20.41 EUR
TOTAL			117.61 EUR

CANCEL ORDER

PAY (CARD PAYMENT)

- 1) click on the  button to download the order proforma/**Initial invoice file** in PDF format.
- 2) The **CANCEL ORDER** button cancels the current order.
- 3) **PAY (CARD PAYMENT)** will be shown only if **CARD PAYMENT** has been selected in the previous step. When this button is clicked, a new page will open where the credit card details should be entered to finish the purchase process of the Aranet Cloud license:



If the payment with a credit card is successful, then the following message will be shown where the user at once can also download the invoice in PDF format by clicking on the  icon:



Once the payment via **CARD PAYMENT** or **BANK TRANSFER** is received in the SAF Tehnika bank account visible in the invoice, the Aranet Cloud organization will be activated for Aranet PRO/PRO+ base station registration and sensor data reception. In such cases, the person who is the Owner of the corresponding Aranet Cloud organization will also be notified by an e-mail message:



ARANET CLOUD License updated

License has been successfully updated for organization

Enjoy Aranet Cloud

If you have problems accessing your ARANET CLOUD account, contact us at support@aranet.com



Note that bank transfers can take a few days. If you require faster activation, please, contact your sales representative or write an e-mail message to info@aranet.com including confirmation that the payment has been made. Until payment is received, and the organization is not activated in Aranet Cloud, the message about payment processing will be shown in the **DASHBOARD** section:

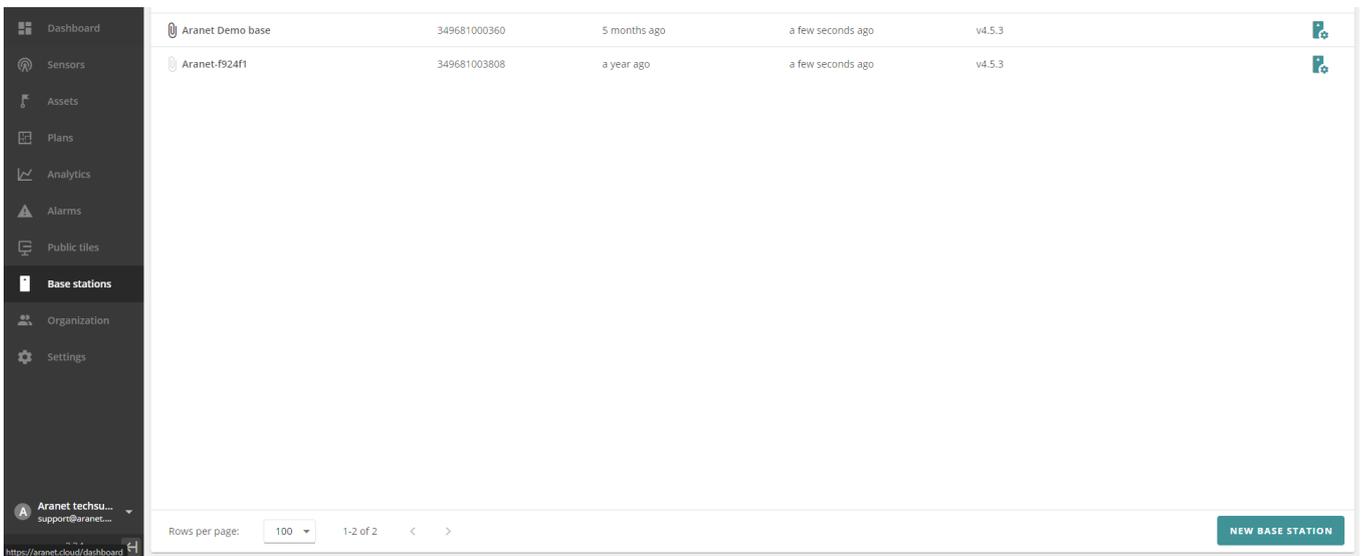
The screenshot shows the Aranet Cloud dashboard interface. At the top, a green notification bar reads "No payment received yet!" with a close button (X) on the left and a "MANAGE >" link on the right. The main content area features a central graphic with icons for a bar chart, a line graph, and a document, surrounded by mathematical symbols (+, x, o). Below this graphic, the text "No payment received yet!" is displayed in red. Underneath, a smaller message states: "Payment is not received yet. It may take a few days to process international payments." A red button labeled "VIEW ORDER" is positioned below the text. The left sidebar contains the Aranet Cloud logo, a dropdown menu for "HSE 1", and navigation options for "Dashboard" and "Organization". At the bottom of the sidebar, the user's name "Kevin Manzano" and email "kevin.manzano@..." are visible, along with the version number "v1.8.28" and a back arrow icon.

8. Base station registration

When the TRIAL LICENSE is selected during the new organization creation process or an Aranet Cloud organization with a purchased time-licensed license becomes activated, then the message in the **DASHBOARD** section will change to **Register new Aranet PRO/PRO+ base station** and the **REGISTER** button can be pressed to connect the base stations.

Starting from base station firmware v4.5.0 you can connect the base station to the Cloud in 2 ways. By adding the base station to the Cloud through Cloud or by going into the base settings.

1. Log in with your credentials to Aranet Cloud and select **ORGANIZATION** you want to add a new Aranet PRO base to (you should have *Administrator* or *Owner* rights).
2. Navigate to the **Base stations** tab.
3. Click on the **NEW BASE STATION** button.



Then this screen will show up:

× Register base station

PRO Plus Base
Made in Latvia, EU
www.aranet.com
M/N: TDSOB03
S/N: 39999 104569

WiFi SSID: Aranet-00000
WiFi IP: 192.168.206.100
ETH IP: 192.168.205.100
ETH MAC: C4930030343C
Username: root
Password: *****

IEEE 802.3af PoE

Enter the base station's serial number and the second part of the SSID, which you can find on the base sticker.

Ensure that:

- Cloud license has a slot for a new base station
- The base station firmware version is at least 4.5.0
- The base station is connected to the internet

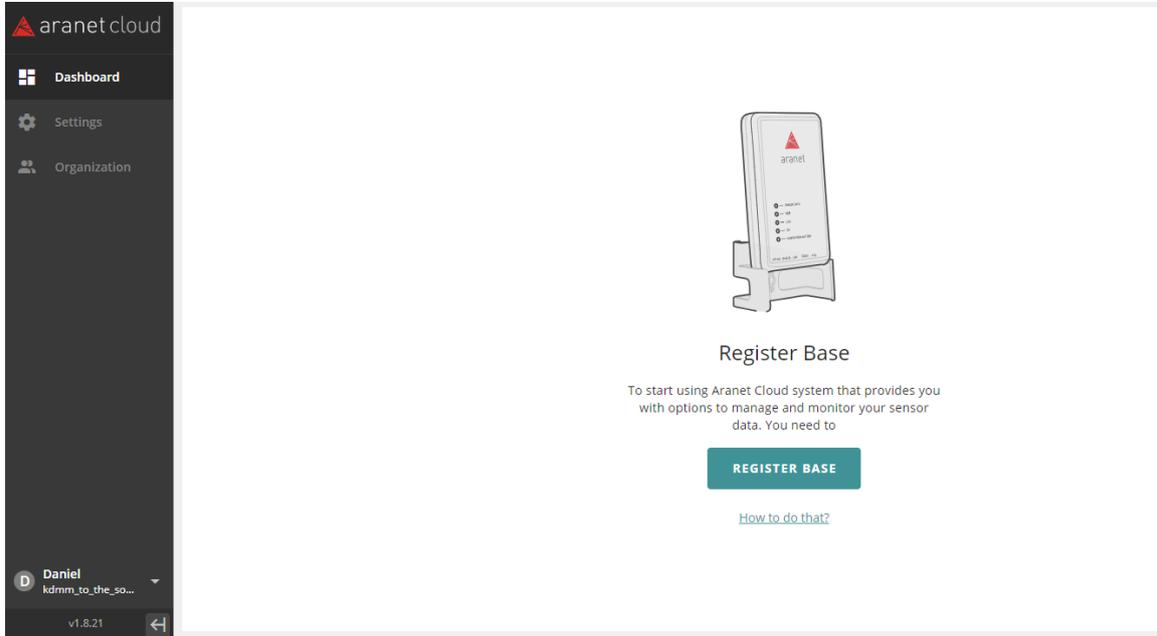
or register using the Base Station UI.

Serial number:

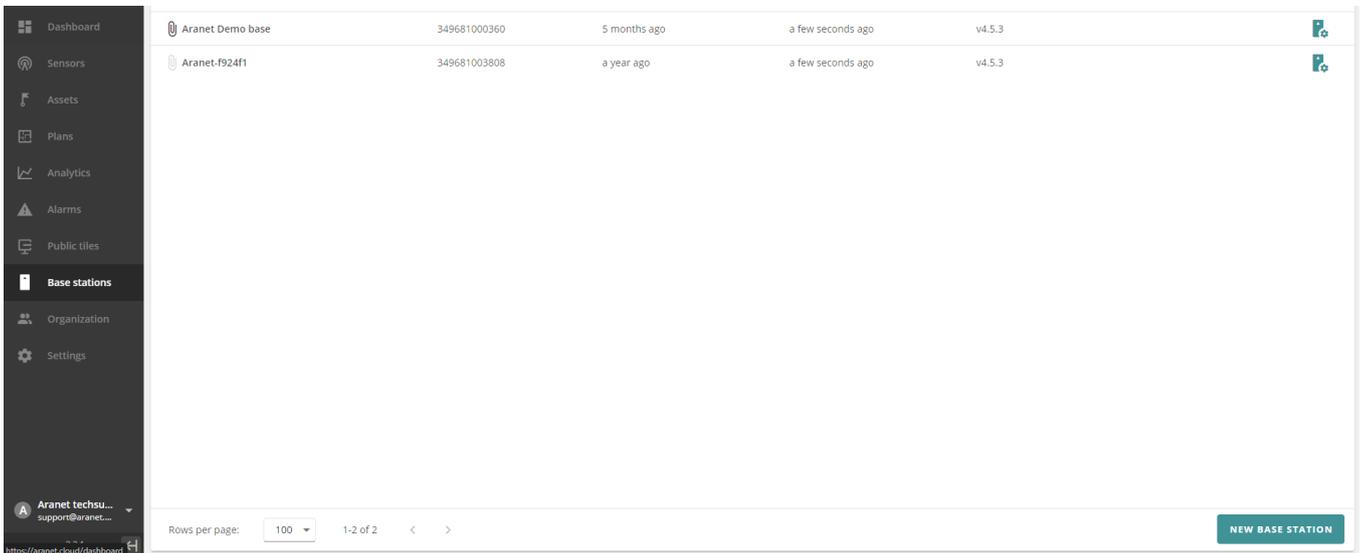
WiFi SSID:

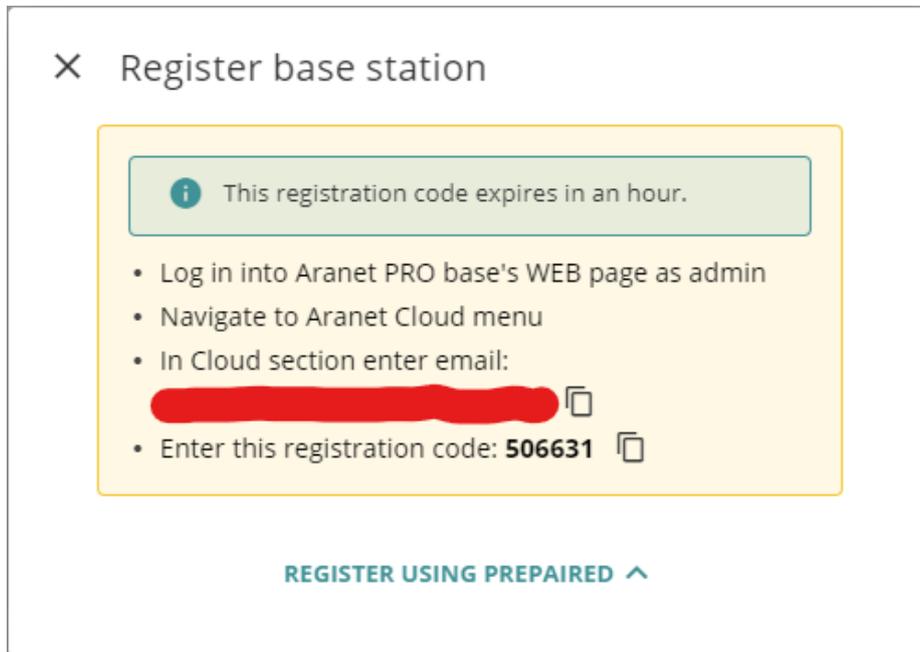
[REGISTER USING BASE STATION UI](#)

From here you have to enter the base's serial number and the default WiFi SSID. If you have the PRO+ line of base stations (white), it will have a sticker on the front, behind the glass of the info. If you have the regular PRO model (black) base station, the sticker with the serial number is on the back. But the WiFi SSID is only visible if the base station is plugged in and you have a device, that can see WiFi signals. You should use the default Wi-Fi SSID, if it is changed, it will not work. Afterwards, the base station will show up as pending and can take up to 2 hours after it has an internet connection to connect to the Cloud.



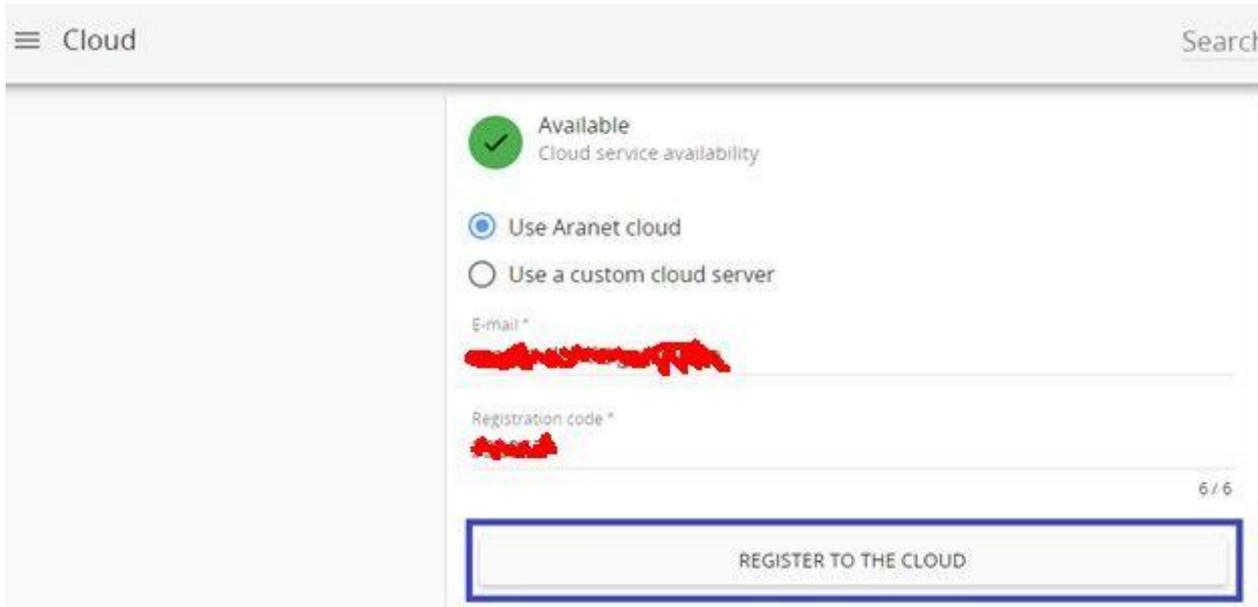
The same Aranet PRO/PRO+ base station registration process can be started also from the section **Base stations** tab clicking on the **NEW BASE** button:



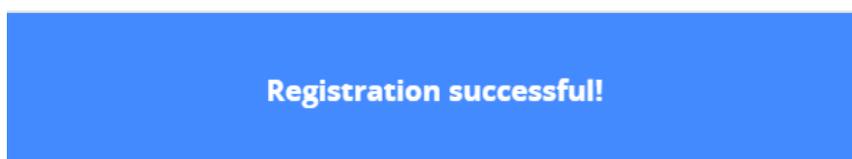


The Aranet Cloud platform will create a new registration code (*valid for 1 hour*) for the Aranet PRO/PRO+ base station. The system will also show an appropriate pop-up window message with the instructions on how to proceed in the registration process:

When the registration code is created on the Aranet Cloud system side, then the next user must log in to the Aranet PRO/PRO+ base station WEB graphical interface, go to the **Aranet Cloud** section and enter in the appropriate fields **the same e-mail and registration code** as prompted in the Aranet Cloud message. Then the user must click the **REGISTER TO THE CLOUD** button:

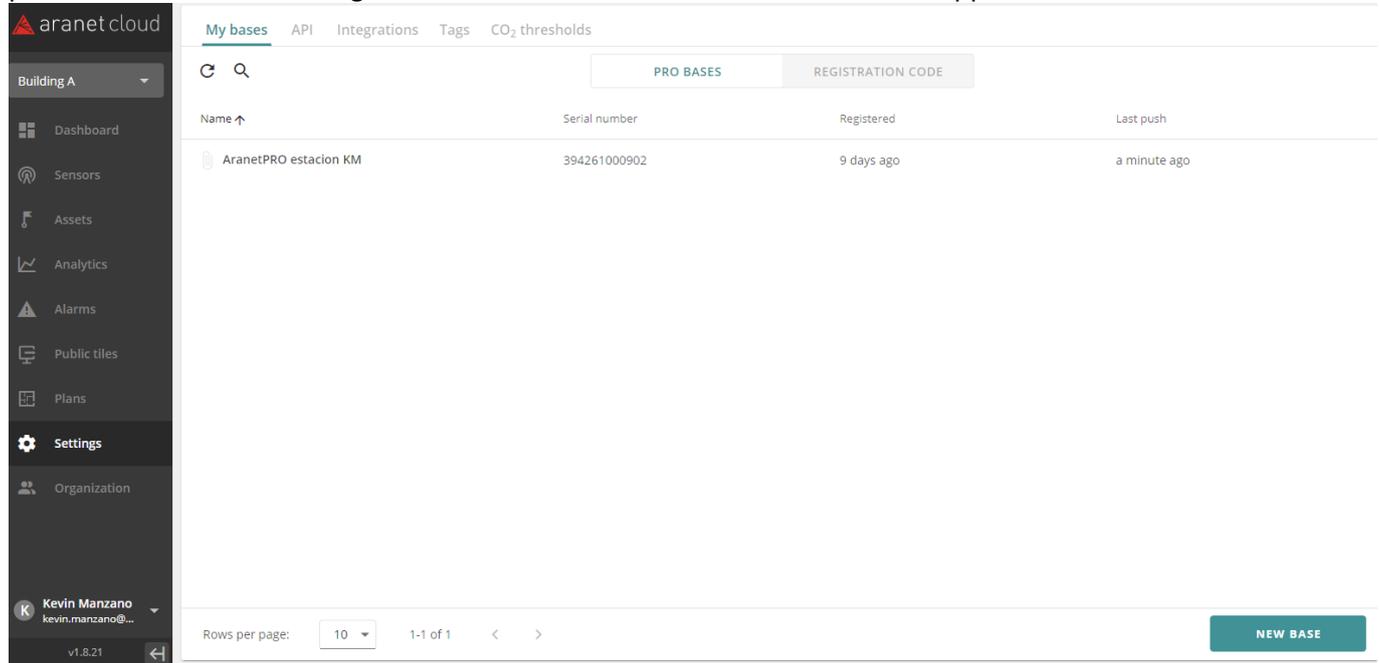


If the registration process of the Aranet PRO/PRO+ base in the Aranet Cloud is successful, then an appropriate success message will be shown in the Aranet PRO/PRO+ base station WEB graphical interface:

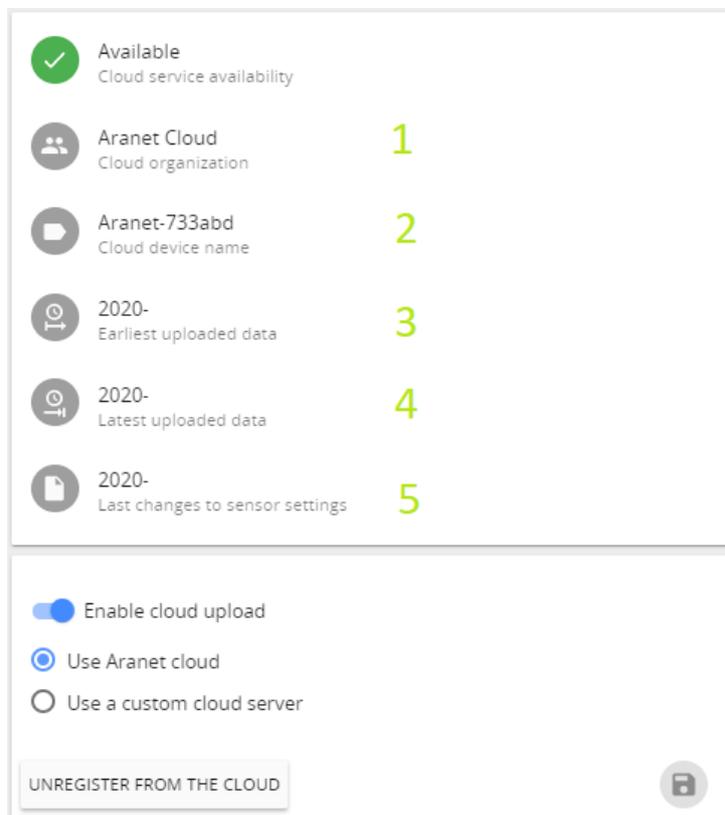


Then the Aranet PRO/PRO+ base will start its' paired sensor measurement data upload to the Aranet Cloud platform. The sensor data upload process depending on the sensor data amount and data connection speeds between the Aranet PRO/PRO+ base station and the Aranet Cloud system can take up to 20 – 30 minutes. During this process sensor data will gradually appear in the Aranet Cloud organization.

Additionally, after the successful registration of the first Aranet PRO/PRO+ base station in the organization, new sections: **SENSORS, ASSETS, ANALYTICS, ALARMS, MONITORING** and **TAGS** will become visible in the main menu panel of the Aranet Cloud organization. **API** and **INTEGRATIONS** tabs will also appear in the **SETTINGS** section:



After the successful registration and sensor data upload to the Aranet Cloud organization the Aranet PRO/PRO+ base station itself will show the following information in the **Aranet Cloud** section:



- 1) **Cloud organization** to which the Aranet PRO/PRO+ base station is registered;

- 2) **Cloud device name** – shows the name that is visible for the Aranet PRO/PRO+ base station in the registered Aranet Cloud organization.
- 3) **Earliest uploaded data** – shows the oldest sensor data on the Aranet PRO/PRO+ base station which was uploaded to the Aranet Cloud organization.
- 4) **Latest uploaded data** - shows the most recent sensor data that was uploaded to the Aranet Cloud organization.
- 5) **Last changes to sensor settings** – shows the date and time when the latest sensor configuration changes were made on the Aranet PRO/PRO+ base station.

On this page, the Aranet PRO/PRO+ base station can also be **UNREGISTERED FROM THE CLOUD** organization by pressing the appropriate button.

In the Aranet Cloud organization, **MY BASES** tab will show information about the registered base stations:

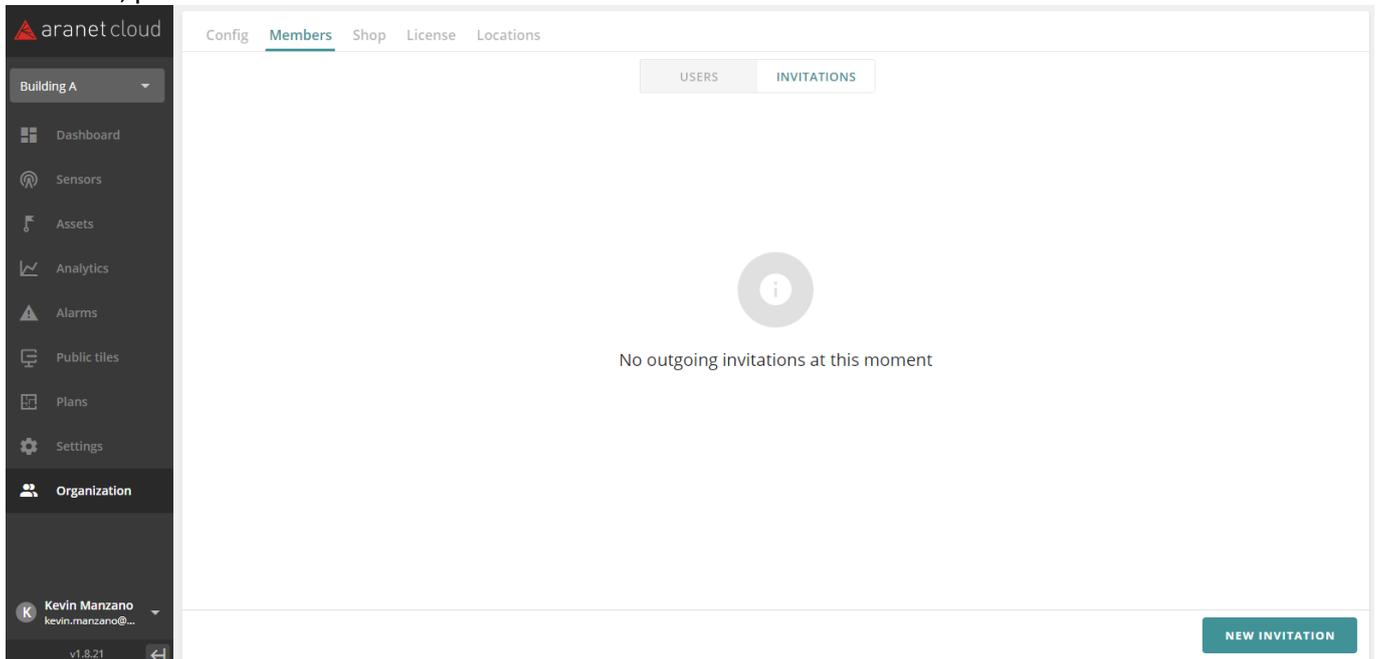
1 Name ↑	2 Serial number	3 Registered	4 Last push
AranetPRO estacion KM	394261000902	9 days ago	a few seconds ago

- 1) **Name** – the name of the registered Aranet PRO/PRO+ base station.
- 2) **Serial number** –serial number of the registered Aranet PRO/PRO+ base station.
- 3) **Registered** –shows how long ago (in minutes, hours, days or months) the PRO/PRO+ base station was registered.
- 4) **Last push** – shows how long ago (in minutes, hours, days or months) the last data upload (“push”) occurred from the PRO/PRO+ base station to the Aranet Cloud organization.

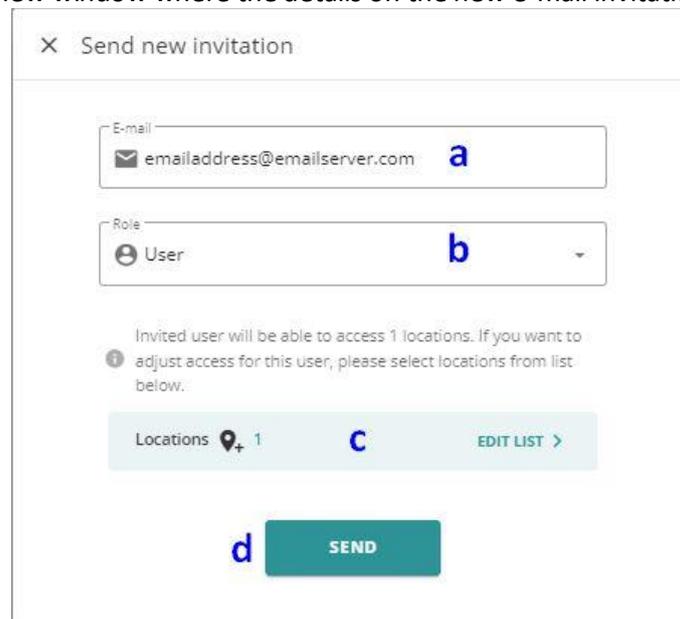
Click on an Aranet PRO/PRO+ base in this tab and a new pop-up window will open where more detailed information on the **Registered** and **Last push** time can be viewed by moving the cursor over the **i** icons:

9. Invitations to join the organization.

Once the organization is created the Owner of the organization can send e-mail invitations to any other person outside the Aranet Cloud or some other already existing Aranet Cloud account user to join the organization. This can be done from section **ORGANIZATION** tab **MEMBERS** subsection **INVITATIONS**. To create a new e-mail invitation, press the **NEW INVITATION** button:



Such operation will open a new window where the details on the new e-mail invitation should be entered:

The image shows a 'Send new invitation' dialog box. It has a title bar with a close button and the text 'Send new invitation'. Below the title bar are three input fields: 'E-mail' with the value 'emailaddress@emailserver.com' and a blue letter 'a' to its right; 'Role' with the value 'User' and a blue letter 'b' to its right; and 'Locations' with the value '1' and a blue letter 'c' to its right. Below these fields is a message: 'Invited user will be able to access 1 locations. If you want to adjust access for this user, please select locations from list below.' Below the message is a teal button labeled 'EDIT LIST >'. At the bottom of the dialog is a teal button labeled 'SEND' with a blue letter 'd' to its left.

- a. **E-mail** – allows specifying the e-mail address where the invitation should be sent.
- b. **Role** – allows to select the role (User or Administrators) that the account will have in the organization when the invitation is accepted.
- c. **Locations** - allows selecting locations to which the User will have access.
- d. **Send** - click to send the invitation.

When the invited person receives the invitation e-mail in the mailbox, they first need to accept the invitation by clicking on the **ACCEPT INVITATION** button in the received e-mail message:

You are invited to join the Aranet Cloud » Inbox x

noreply@aranet.cloud
to me ▾



Welcome to ARANET CLOUD

You have been invited to ARANET CLOUD organization
1st Cloud organization

ACCEPT INVITATION

If you have problems accessing your ARANET CLOUD account, contact us at support@aranet.com

This will open a new page in the web browser where the invitation should be confirmed by clicking on the **JOIN** button:



Welcome to Aranet Cloud

Aranet Cloud is best solution if You want to explore,
manage and analyse the measurements of all Aranet
sensors in one place.

You have been invited to
Austras Organization

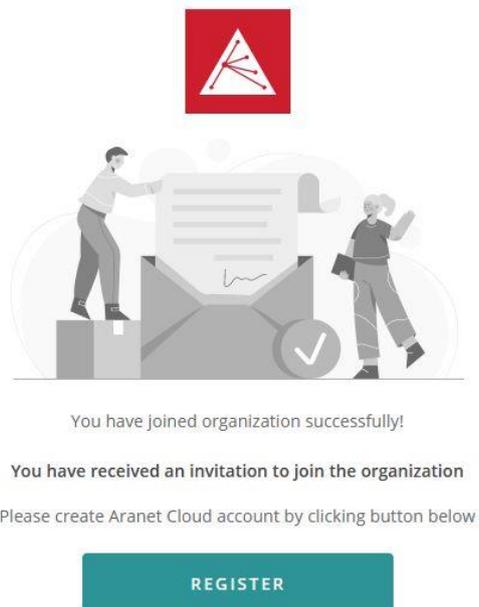
JOIN

After that, the system will evaluate the e-mail address whether the person has an already registered account in the Aranet Cloud system:

- 1) If the person has a registered account, then the system will offer to **LOGIN INTO ARANET CLOUD**. After the login, the Aranet Cloud account will be switched to the organization that the person just joined:

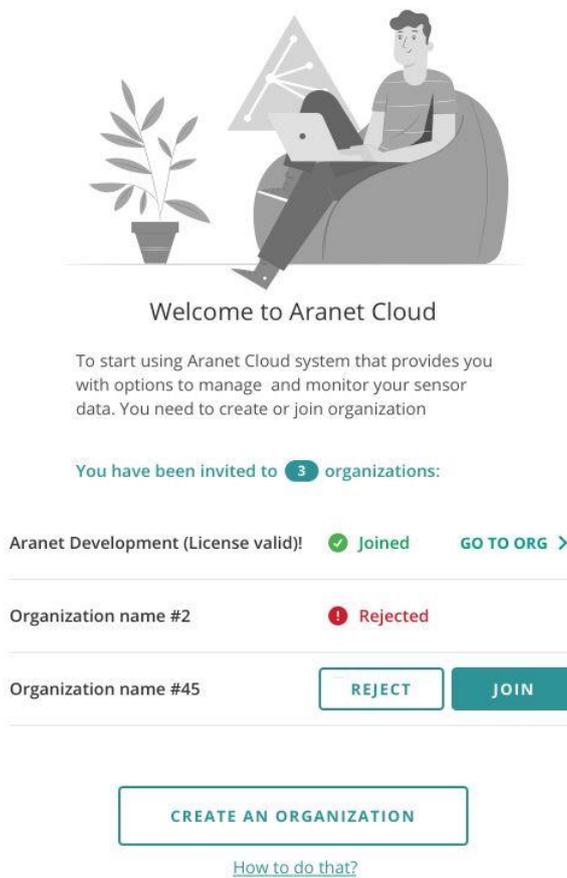


- 2) If the person does not have a registered account in the Aranet Cloud system, then the person first needs to register a new account in Aranet Cloud with the same e-mail address where the invitation message was delivered by pressing the **REGISTER** button (for details see chapter [User Account Registration](#)).



After registration is done the person just needs to log in to the registered Aranet Cloud account to see the data from the organization the person just joined.

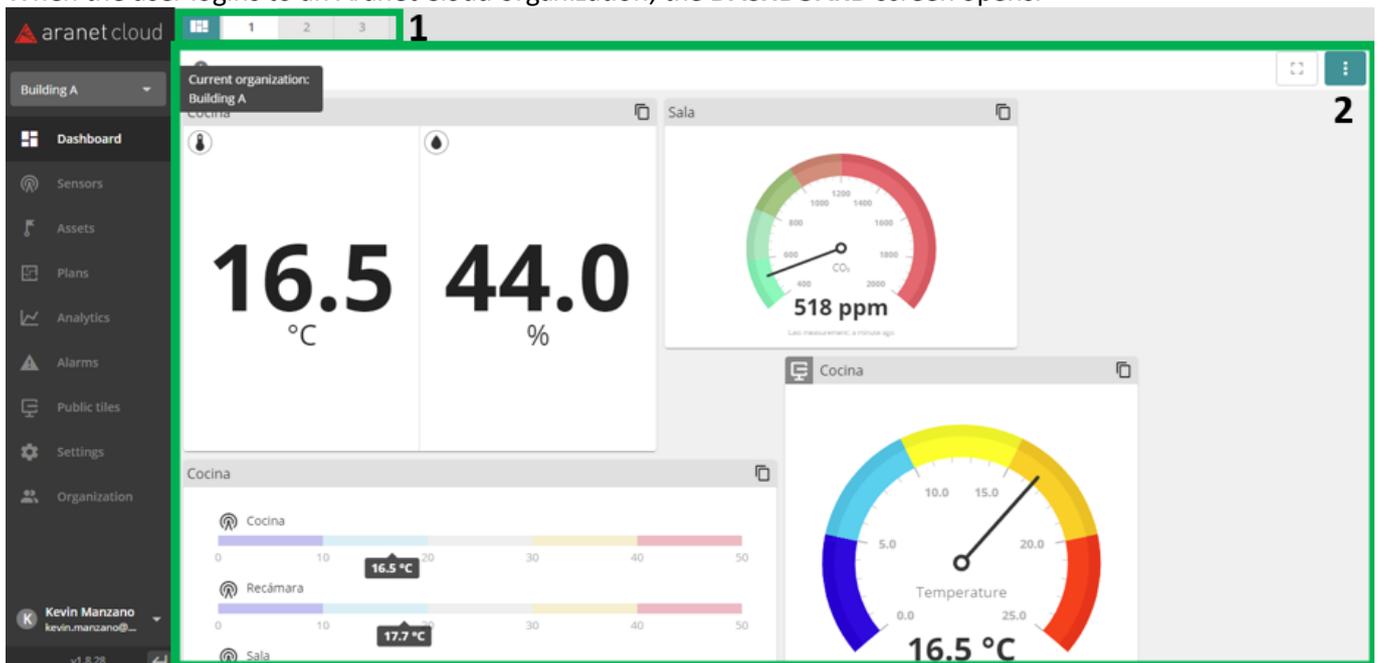
3) If the person has invitations from several organizations, the welcome screen may vary, f.e.:



10. Aranet Cloud WEB GUI overview

The Dashboard

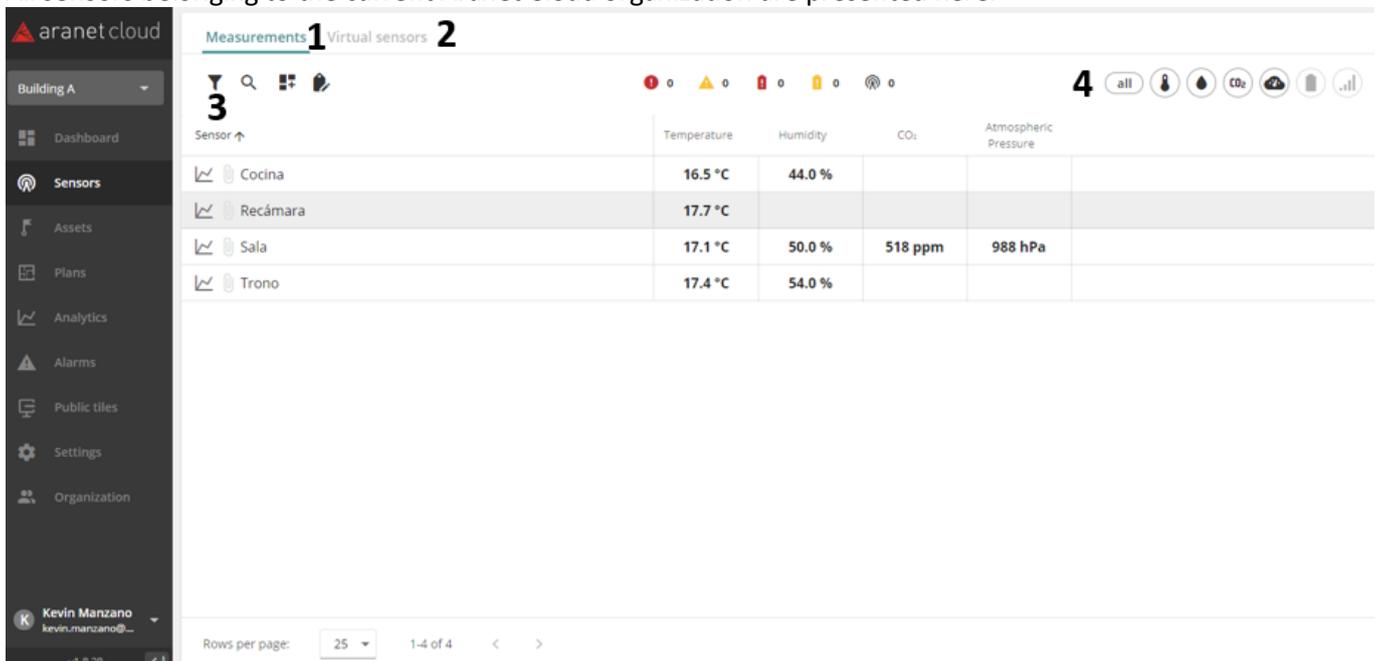
When the user logs in to an Aranet Cloud organization, the **DASHBOARD** screen opens:



Every user can select to view up to 10 dashboards (1) where various Aranet Cloud widgets can be arranged (2). For detailed information consult forum topic: [How to manage Dashboards in Aranet Cloud.](#)

Sensors

All sensors belonging to the current Aranet Cloud organization are presented here:



Users can switch **MEASUREMENTS** (1), or **VIRTUAL SENSORS** (2) view, filter sensors by **names** and **tags** (3), or by **metrics** (4).

Several forum topics are dedicated to sensors, f.e. [How to create Virtual sensor in Aranet Cloud.](#)

Assets

Assets allow you to define the physical placement of sensors.

Asset	Measurement point	Temperature	Humidity	CO ₂	Atmospheric Pressure
Private Area	Recámara	17.6 °C			
	Trono	17.4 °C	54.0 %		
Public Area	Cocina	16.5 °C	44.0 %		
	Sala	17.1 °C	50.0 %	499 ppm	988 hPa

Users can switch **MEASUREMENTS (1)**, or **ASSETS list (2)** view and apply filters to the view.

Assets are important for managing sensors in the organization, thus several forum topics are dedicated to them, f.e. [What is Asset in Aranet Cloud](#), [How to create asset in Aranet Cloud](#), etc.

Analytics

Gives you access to **CHARTS**.

Charts allow you to visualize sensor measurement data:

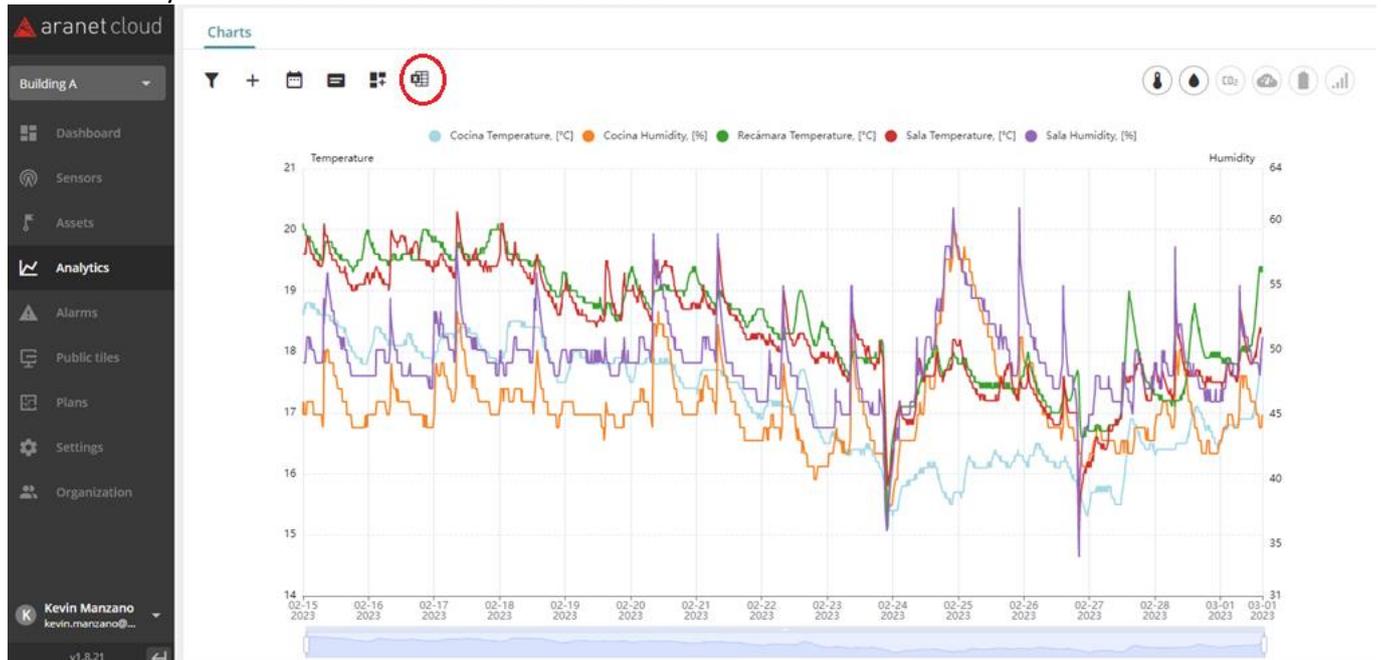


Chart data can be downloaded as an Excel file. You can find the download button near the managing buttons at the top of the page.

Up to 10 sensor measurement data can be displayed simultaneously. For details consult the forum topic [How to create chart in Aranet Cloud](#).

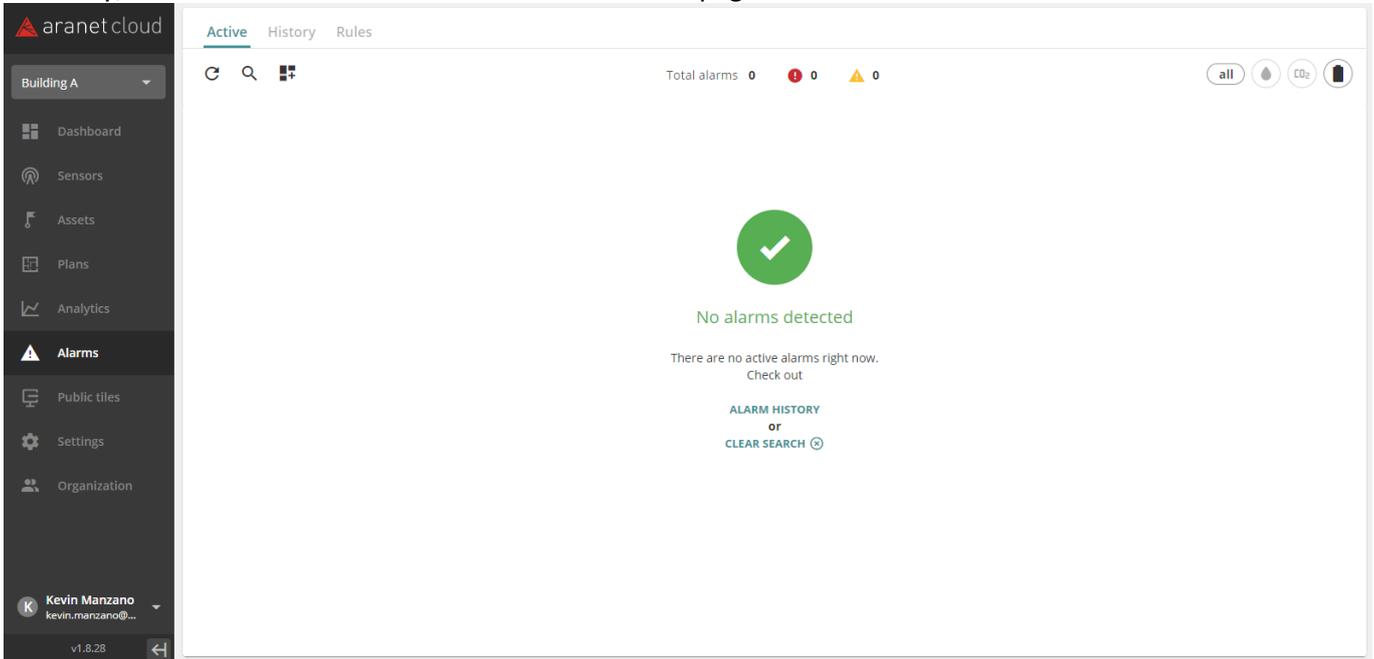
Alarms

There are two builds in alarm rules:

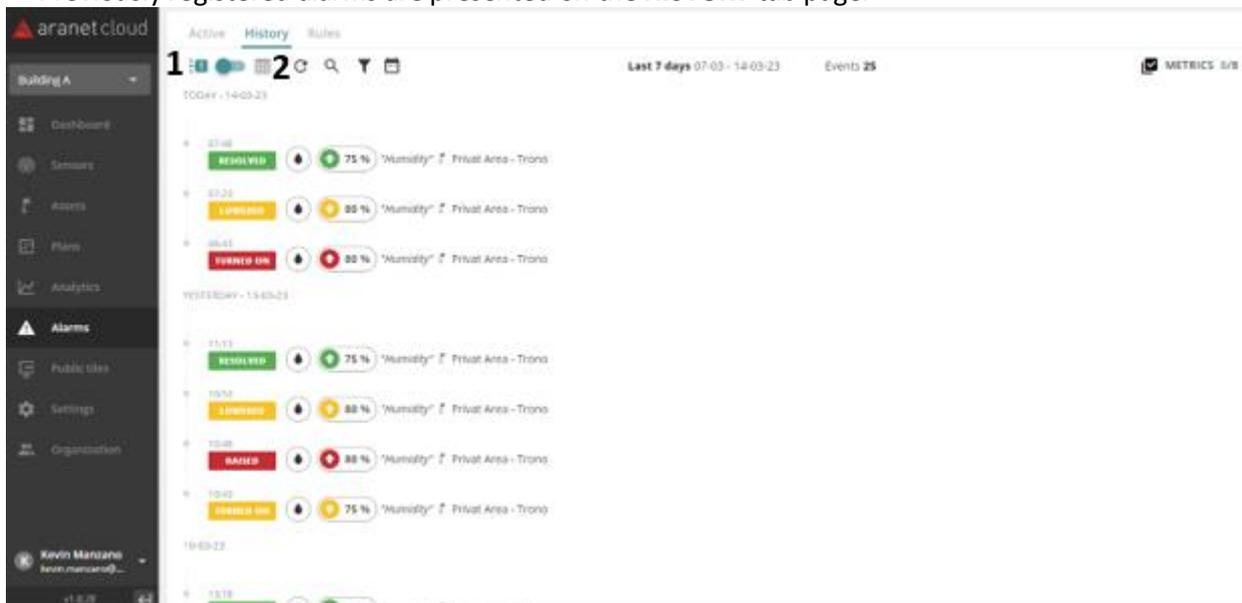
- **Base station offline** [alarm](#)
- **Low battery** [alarm](#).

Alarm generation based on sensor measurement data is an important feature of the Aranet Cloud.

Currently, active alarms can be viewed on the **ACTIVE** tab page:



Previously registered alarms are presented on the **HISTORY** tab page:



Users can switch to **List (1)**, or **Table (2)** view. Table view can be exported as a .xlsx file, see forum topic [How can I view Alarms history in Aranet Cloud?](#)

Users can place comments on alarms by clicking on them and selecting the Comment button. Comments will be displayed when history is downloaded as a .xlsx file. See more in forum topic [How can I add comments on my Alarm history in Aranet Cloud?](#)

Rules for alarm generation are defined and configured on the **RULES** tab page:

Rule title	Created	Last edit	Enabled since	Disabled since	Notifications
Base station offline	-	-	-	-	
CO2	18-03-21 19:52	-	05-10-21 13:46	-	
DLI	28-11-22 18:07	13-12-22 10:27	28-11-22 18:07	-	
Low battery	-	-	-	-	
New Rule	15-09-21 15:35	16-02-22 13:12	21-12-21 08:42	-	
No sunlight	27-10-21 11:35	29-10-21 12:15	-	21-12-21 15:27	
Plant moisture	29-04-22 11:54	01-10-22 15:56	29-04-22 11:54	-	
Temperature in fridge	11-02-22 11:10	16-02-22 13:12	11-02-22 11:10	-	
	18-02-21	14-02-22	06-10-21	-	

Alarms configuration is described in this forum topic [How to set alarms in Aranet Cloud](#).

Public tiles

Public tiles are the menu where publicly available dashboard tiles (monitors and gauges) can be defined. Users can find the configured tiles list under the MONITORS tab:

Title	Type	Source	Metric & Unit	Link
Cocina	🌡️	Cocina	🌡️ °C	.../sc4v35ax
Sala	📊	Sala	📊 ppm	.../dwcwf3nz

CO₂ thresholds are set on SETTINGS under the CO₂ thresholds tab:

My bases API Integrations Tags **CO₂ thresholds**

Building A

Dashboard
Sensors
Assets
Analytics
Alarms
Public tiles
Plans
Settings
Organization

Kevin Manzano
kevin.manzano@...

v1.8.21

CO₂ thresholds

1400
1000

SAVE

Thresholds defined above are used to indicate colors in CO₂ tiles.

Green - represents good level (typically below 1000 ppm)
Yellow - represents average level (typically 1000 to 1400 ppm)
Red - represents unhealthy level (typically above 1400 ppm)

Tip: 420 ppm equals to fresh outdoor air.

Consult the Aranet forum for detailed information: [How to Create Public Tiles](#)

Plans

The plans section allows the user to view measurement data organized on the floor plan selected:

View Plans

Building A

Dashboard
Sensors
Assets
Analytics
Alarms
Public tiles
Plans
Settings
Organization

Kevin Manzano
kevin.manzano@...

v1.8.21

Floor 1

View Measurements Metric All metrics

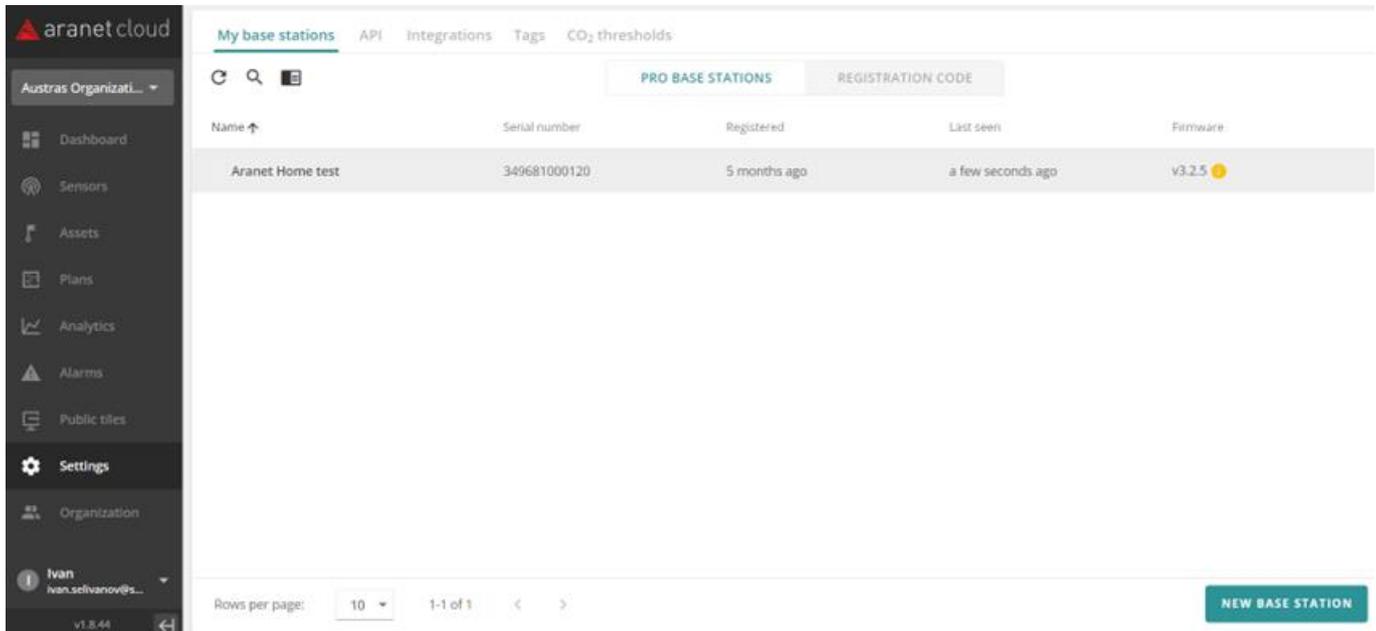
Floor 1

17.9 °C
695 ppm

Please find more about Aranet Cloud Floor Plan on our forum: [Floor Plan in Aranet cloud](#)

Settings

This menu gives the user access to the list of registered and current Aranet PRO/PRO+ bases, API configuration, configured integrations, Tags, and CO₂ thresholds configuration. Additionally, an indication about new firmware is available here. It will appear near the firmware version information when the new firmware is published.

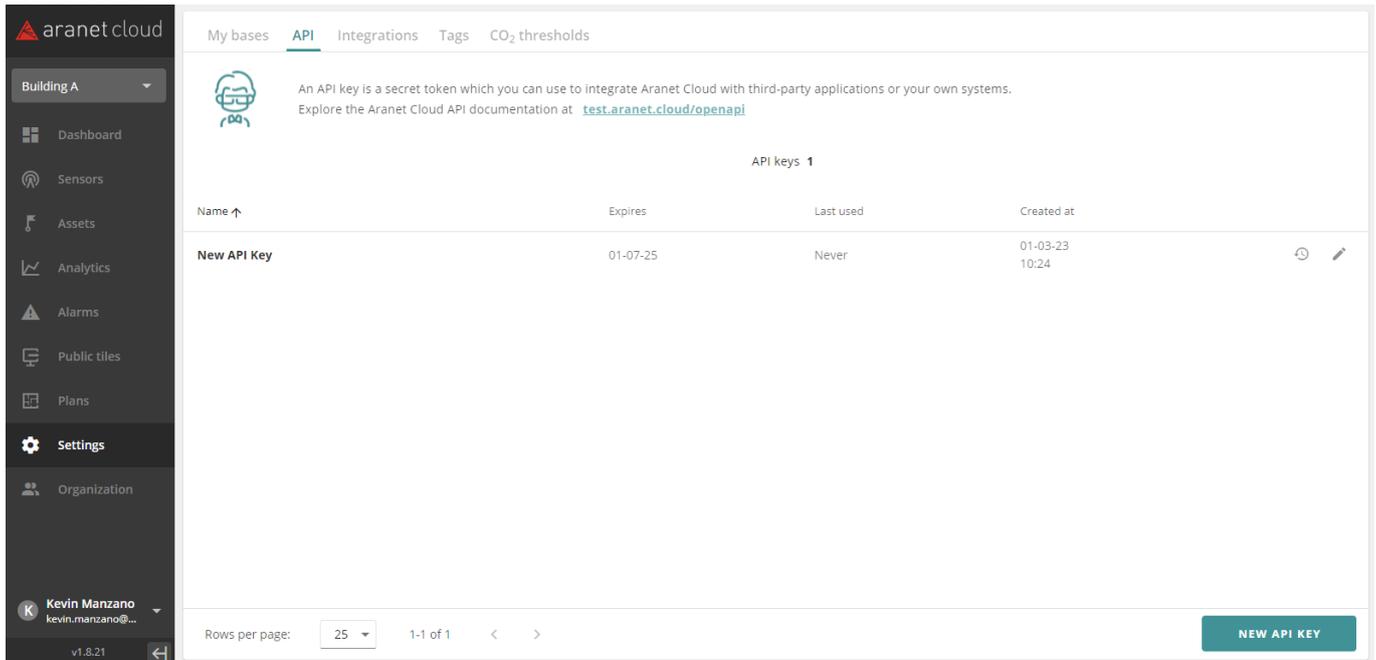


By pressing on the NEW BASE button, the user can add new Aranet PRO/PRO+ base(s) to the organization. Note that this button is visible only to Users with “Bases” write permission. See chapter [New Organization Creation](#) of this Guide.

From here you can also [manage the base station](#) from the Cloud. Pair and edit the sensors or do base station firmware updates and sync licenses with the specific base station.

[Deleting and unregistering](#) the base station from the Cloud is also possible from this view.

The API tab gives the possibility to create API keys for third-party applications to access and pull Aranet Cloud data:



A link to the Aranet Cloud API documentation can be found in this tab. See also the dedicated forum topic [Aranet Cloud API](#).

The INTEGRATIONS tab presents the list of configured Aranet cloud integrations and allows adding new

ones:

State	Name	Type	Sensors	Schedule	Last run	Created at
<input checked="" type="checkbox"/>	New test Integration	SenML	3	@every 1m	7 days ago	7 days ago

For more information about Integrations refer to the dedicated document [Aranel Cloud Integrations](#). Or this forum post about [30mhz](#).

Tags are a useful way to organize the sensors in big systems. An unlimited number of tags and tag types can be defined. One sensor can have up to 10 tags assigned to it:

Tag name ↑	Type	
Common Area	Common Area	2
Private Area	Private Area	2

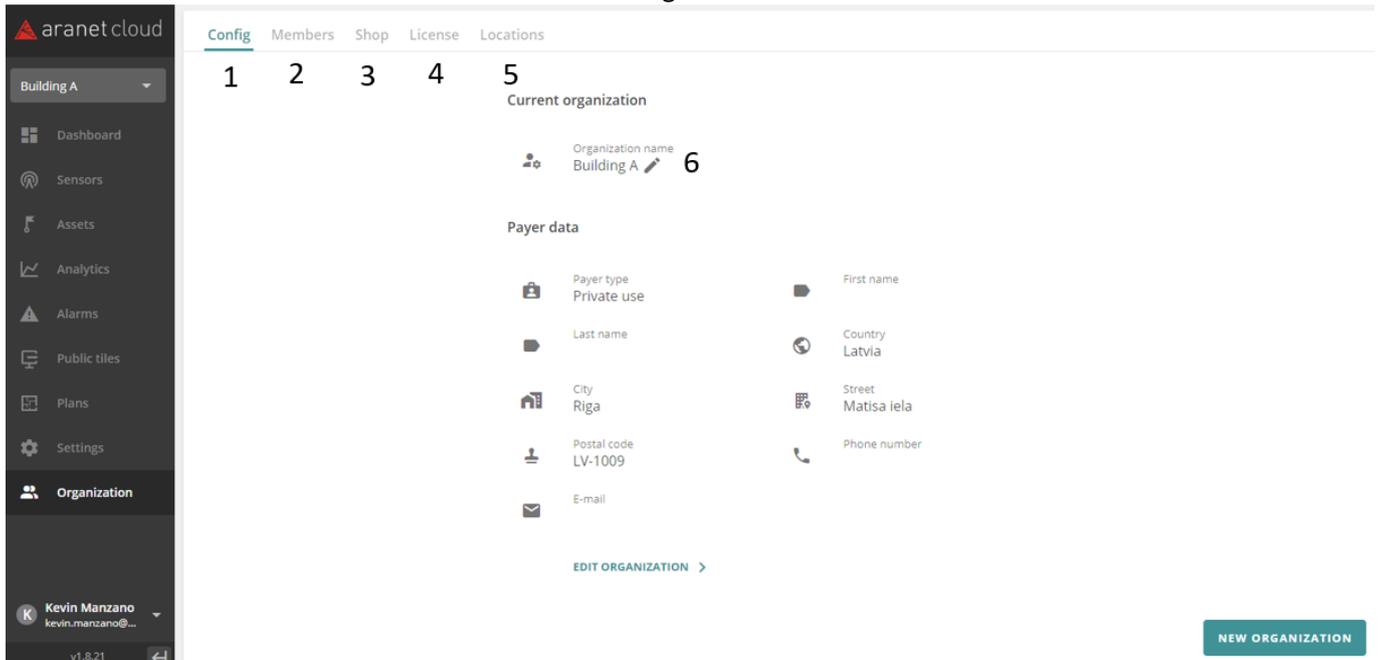
The screenshot displays the Aranet Cloud web interface. On the left is a dark sidebar with the 'aranet cloud' logo at the top and a navigation menu including: Building A, Dashboard, Sensors, Assets, Analytics, Alarms, Public tiles, Plans, Settings, and Organization. The user profile 'Kevin Manzano' is visible at the bottom of the sidebar. The main content area has a top navigation bar with 'My bases', 'API', 'Integrations', 'Tags' (selected), and 'CO₂ thresholds'. Below this is a search bar and tabs for 'TAGS' and 'TAG TYPES'. A sub-header indicates 'Types created 2 / 10'. A table lists tag types with columns for 'Tag type name', 'Tags', and an edit icon. The table contains two entries: 'Common Area' (1 tag) and 'Private Area' (1 tag). A 'NEW TAG TYPE' button is located at the bottom right of the main content area.

Tag type name	Tags
Common Area	1
Private Area	1

One should have Write rights to create and assign Tags to sensors. Read more in the forum topic: [How to create and assign tags to sensors in Aranet Cloud](#)

Organization

Information about the current Aranet Cloud organization is here:



CONFIG tab (1) contains all the information about the current organization. For details see chapter [New Organization Creation](#) of this Guide.

MEMBERS tab (2) presents a list of users invited to this organization. For details see the chapter [Invitations to Join the Organization](#) and forum topics, f.e. [How can I modify rights and roles for user accounts in my Aranet Cloud organization?](#)

SHOP tab (3) is intended for purchasing Aranet Cloud licenses, please see chapter [Purchase of License](#).

LICENSE tab (4) contains purchased or Trial license data and expiration date.

LOCATIONS tab (5) allows the user to configure the Locations of the organization. For detailed information refer to the forum post, f.e. [How to create locations in Aranet Cloud](#).

Clicking on the “pencil” button (6) or “Edit Organization” below opens the Organization **edit** screen where the organization can be modified or deleted. Additional information can be found on the forum: [Aranet Cloud Organization deletion](#).

Adding a personalized logo can be done by clicking the “Add” button. Two logo images could be prepared and uploaded in the organization edit form.

× Custom logo



Upload both visualizations - full logo with wordmark and the symbol itself. Ensure the logo looks its best add transparent background and avoid adding other graphic elements within the safety zone. The safety zone is a space taken from a logo symbol and wordmark on all sides.

Wide logo



Drag & drop file
or
[Browse file](#)

File format: PNG or SVG
Size: 400x128 pixels

Square logo



Drag & drop file
or
[Browse file](#)

File format: PNG or SVG
Size: 128x128 pixels

SAVE

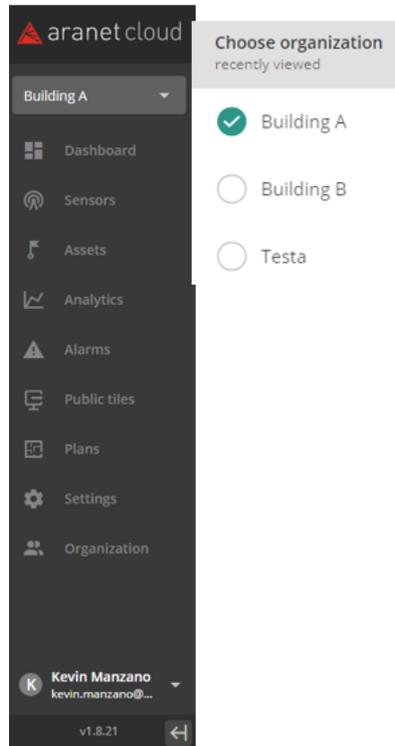
User Profile

The user profile menu gives access to currently logged-in user information and settings:

The screenshot shows the 'Profile' tab selected in the user profile menu. The page has three numbered sections: 1. Profile information (Name: Kevin Manzano, Email, Current password, New password, Repeat new password) and a SAVE button. 2. Unit configuration. 3. My organizations. The user profile menu on the left shows 'Kevin Manzano' selected.

The user password can be changed under the Profile tab (1), Units of the metrics selected (2) and Organization to which the current user has access reviewed (3). Read more on our forum, f.e. [How to change measurements units in Aranet Cloud](#).

Switching organizations



This button allows fast switching between Aranet Cloud organizations to which the user has access: pressing it opens a pop-up window with the list of available organizations. The current organization is marked by a solid background.

11. Legal information

For full Aranet Cloud Terms & Conditions visit <https://aranet.cloud/terms-and-conditions>