Aguardio

AGUARDIO **HUB GUIDE**

Monitor data collected by Leak sensor, Hygiene Sensor &
Shower Sensor via their connected Gateways or the Aguardio App

1. Login and Permission

- Go to **https://admin.aguardio.com/**

- Create an account. Click on **''Sign up now''**

- Enter your e-mail address and click ''**Send Verification code**''
  Important: To register successfully, you must use the same e-mail address, that was provided to Aguardio.

- Enter the verification code you received in your e-mail and click on ''**Verify code**''

- Create your password, insert your first name and last name, click on **''Create''**

- Log in to the system by entering your e-mail and password created in the previous step (as shown below).
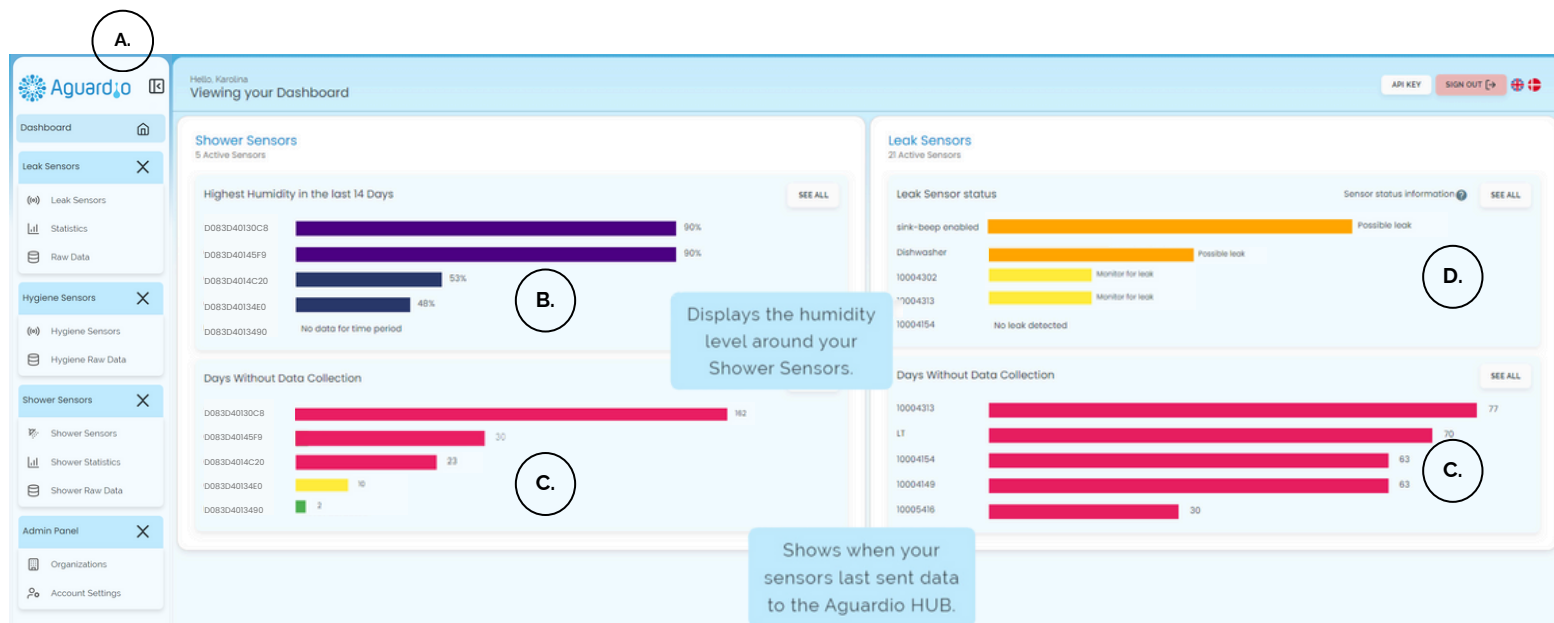
AGUARDIO **HUB GUIDE**

2. Dashboard

After logging in to Aguardio Hub, you'll be directed to a Dashboard view, for a quick overview of your data.

A. On the left-hand side you will find a navigation menu
- Click on a product category to view its sub-categories.
- Hover your mouse over the elements on any Dashboard for explanations

B. **Highest Humidity in the last 14 days** - Displays the average humidity levels recorded by your Shower Sensors.

C. **Days without data collection** - Shows how many days ago, your Shower/Leak Sensors last sent data.
- Shower sensor can store up to 30 days worth of data.
- Leak Sensor can store up to 14 days worth of data

D. **Leak Sensor Status** - Toilet leaks are categorised in Aguardio Hub into four categories: *Likely Leak*, *Possible Leak*, *Monitor for Leak*, and *No Leak*. Hover your mouse over the leak status column to see quick tips regarding recommended actions. For further information about these categories, please refer to page 4 of this document.

**Even if you've only purchased one type of product, you'll still have access to view categories for all our products**

2.1 Account User Roles

Depending on your account's role, the Aguardio Hub view may vary. An account can be classified as either a "**User**" or "**Superuser**" role. The difference between these roles is that the "User" has less rights than the Superuser. Please see which, on the next page table.

AGUARDIO **HUB GUIDE**

	User	SuperUser
See leaking toilets based on 4 categories	x	x
See accumulated Shower & Leak Sensor data	x	x
Edit & see Shower & Leak Sensor name	x	x
Edit & see Shower & Leak Sensor location name		x
Edit & distribute Shower & Leak Sensors into departments		x
Create departments		x
Export Shower & Leak Sensor raw data		x
See induvidual Shower & Leak Sensor data		x

If your role has to be changed, please contact Aguardio at support@aguardio.com.

3. Admin Panel (Available only for "SuperUser" account)

At the Admin Panel section you can:
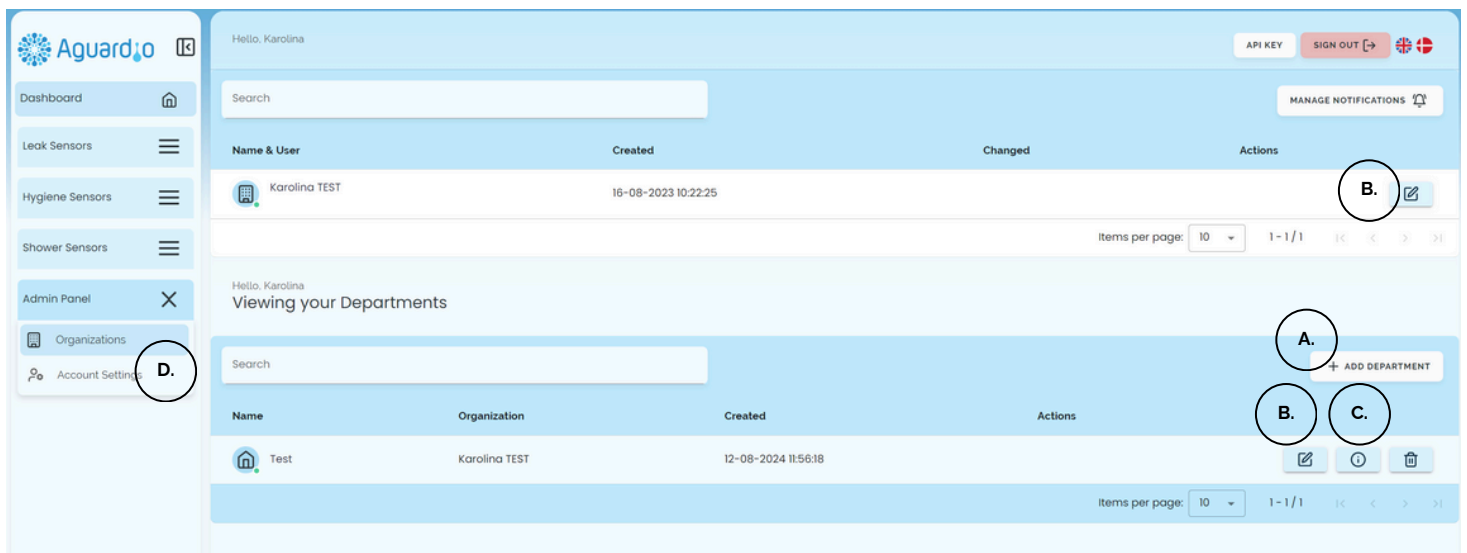
A. **Create a new department**

B. **Edit a department/organization details**
- Click on the 'edit' icon

C. **See more details about a department**
- Click on the 'info' icon

D. **Change time zone in Aguardio Hub:** Changing the time zone will adjust all timestamps accordingly, except for the data export feature. When exporting raw data, the dates will remain in UTC, as they are saved in the database. (***The time zone is automatically set to match the time zone provided by the browser unless changed manually.***)
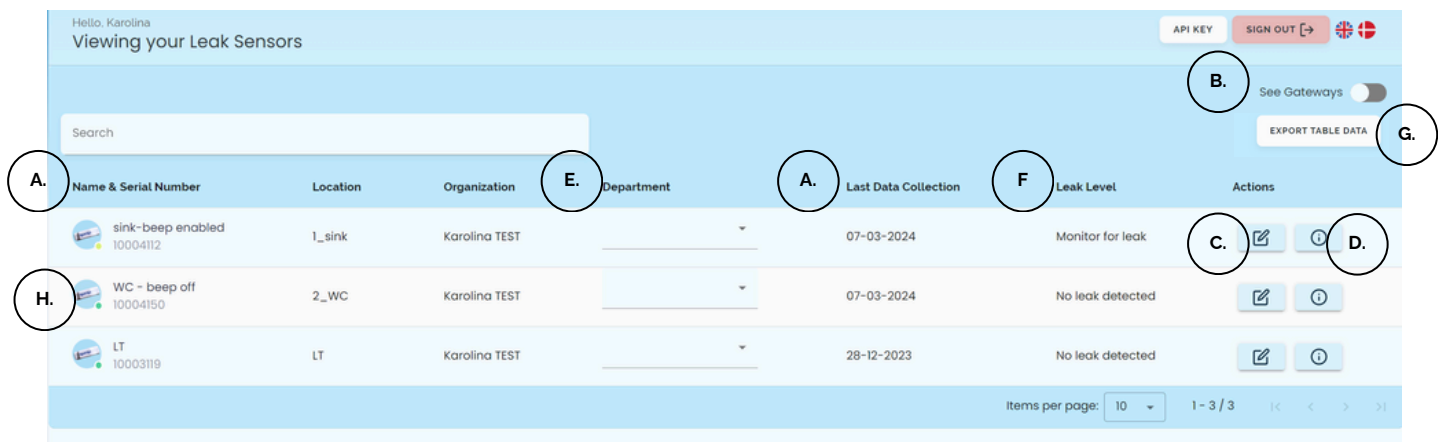
AGUARDIO **HUB GUIDE**

4. Leak Sensor

4.1 Leak Sensor Menu

From the Leak Sensor section you can:

A. See a list of your Leak Sensors and the last data collection timestamps

B. See a list of your Gateways (if there are any)
- Click on "See Gateways" in the upper right corner

C. Edit Leak Sensor/Gateway details, such as: Location name (Only available for "SuperUser" account), Name, Leak Sensor type
- Click on the edit icon under the 'Action" column

D. See more details about Leak Sensor/Gateway
- Click on info button under the "Action" column

E. Distribute your sensors into Departments (Only available for "SuperUser" account)
- Click on the dropdown box under the "Department" column and choose a department that you want to assign your Leak Sensor to.

F. See the Leak Level of each individual sensor, based on 4 categories *(Please refer to page 4 of this document).*

G. Export a list of your Leak Sensors/Gateways to a CSV file

H. Review individual sensor data (only available for "SuperUser" account)
- Click on a sensor's serial number and the Aguardio Hub will redirect you to the statistics page displaying data from the chosen sensor only.

Please note: Location name information only available for "SuperUser" account

AGUARDIO **HUB GUIDE**

4.2   Leak Sensor Status

Toilet leaks are displayed in Aguardio Hub in 4 categories, based on data collected from Leak Sensors. Short descriptions and quick tips advise on how to take action for each type. Categories are colour coded for simplicity, in order to identify toilets which should be given highest maintenance priority. Consider these priorities when formulating a service strategy aligned with your organization's objectives, aimed at saving resources.

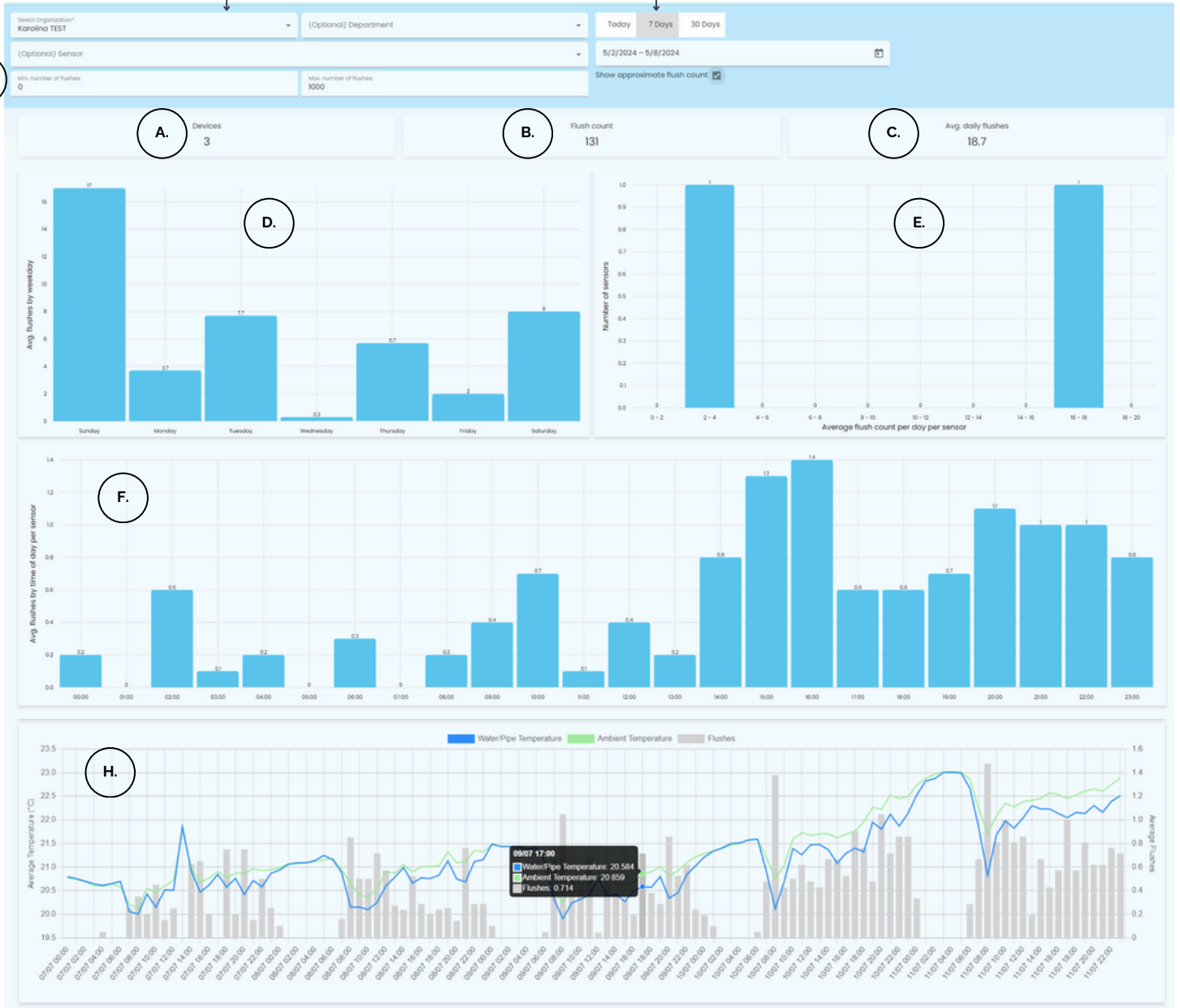|		
🟥	**Likely leak**	« *Likely leaking, consider prioritising checking the toilet as the first ones*
🟧	**Possible leak**	« *Possibly leaking on a low level and/or frequent on/off leaks (with potentially high water waste).*
🟨	**Monitor situation (maybe include in service!)**	« *Data patterns suggest that minor leaks could be occurring and/or some on/off leaking. Consider to include in service rounds.*
🟩	**Probably no leak or very low level**	« *No leak detected, action most likely not needed.*

4.3   Statistics

Picture explanation for next page illustration:

A.   **Devices:** Total number of leak sensors in organization, or chosen department

B.   **Flush Count:** Total number of toilet flushes per chosen period

C.   **Avg. daily flushes:** View the average number of toilet flushes. If you choose to view data per sensor, the system will display the average number of flushes for that sensor

D.   **Avg. flushes by weekday:** Identify the busiest day of the week.

E.   **Average flush count per day per sensor**

F.   **Avg. flushes by time of day per sensor:** Identify the busiest time of the day

G.   **Adjust the dashboard view by filtering out unwanted toilet flushes:** You can set the minimum and maximum number of toilet flushes, to have the system filter out data outside the chosen thresholds

H.   **Ambient and Pipe Temperatures visualizations:** The diagram displays the hourly pipe and ambient temperatures along with the number of flushes/activities recorded.

Aguardio

AGUARDIO **HUB GUIDE**

1. Choose your organization
2. Select date range

4.4 Raw data (only available for "SuperUser" account)

To extract raw data to a CSV file, please select organization, department (if necessary) and a date range. There is an automatic option to extract data from the last **24 Hours, 7 days** or **30 days**; Alternatively, enter a specific date range. Then click "**Export Table Data**".

AGUARDIO **HUB GUIDE**

5. Hygiene Sensor

5.1 Hygiene Sensor

The following options are available in this section:

A. **See a list of Aguardio Hygiene Sensors and the last data collection timestamps**

B. **Review the report, which contains daily highest and lowest temperatures recorded by each sensor**

C. **Maximum and minimum temperatures recorded by the sensors for the chosen time period**

D. **Distribute sensors into Departments (Only available for "SuperUser" account)**
- Each sensor has a dropdown menu in the "Department" column, where it is possible to assign a Hygiene Sensor to a department.

E. **Number of days since the sensor last registered the tap running for at least a minute**

F. **Edit Hygiene Sensor details, such as: Location name (only for Superusers), Sensor Name**
- Click on the edit icon under the "Action" column

G. **See more details about Hygiene Sensor**
- Click on the info button under the "Action" column

H. **Receive a report containing the highest and lowest temperature measurements during one month**
- Click on ''GET REPORT''
- Select your organization & Department (if applicable)
- Select time interval - choose a report for the last month, the last 6 months, the last 12 months, or for all time registered)
- Click on ''Get Report''.

Name & Serial Number	Reports	Location	Organization	Department	Max. temp.	Min. temp.	Last Data Collection	Days Without Usage	Actions
Cold tap 0184001073	≡	Cold tap		▾	25.4	14.6	04-06-2024	78	✎ ⓘ
Hot tap 0184000961	≡	Hot tap		▾	56.3	17.7	04-06-2024	78	✎ ⓘ
COLD_TAP 10008854	≡	COLD_TAP	Aguardio TEST	▾	32.9	12.8	03-06-2024	-1	✎ ⓘ
HOT_TAP 10008852	≡	HOT_TAP	Aguardio TEST	▾	40.6	14.8	03-06-2024	-1	✎ ⓘ

Hello, Karolina
Viewing your Hygiene Sensors

Select date range (optional)

Search

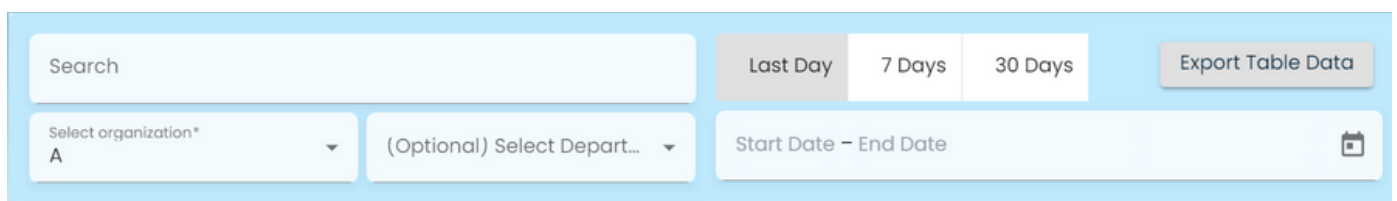Start Date – End Date

Items per page: 10   1 - 4 / 4

5.2 Colour explanation

Next to the Hygiene Sensor icon, you may see a color indication showing how many days ago a water outlet was used, with the cold tap reaching at least 20°C and the hot tap a minimum of 45°C for over two minutes.

Green - the last flush was performed less than 24 days ago

Yellow - the last flush was performed more than 24 days but less than 30

Red - it has been more than 30 days since the last flush

Blue - the tap has never been left running for at least one minute (no flushes were registered, that met the criteria)

5.3 Hygiene Sensor Raw Data (only available for Superusers)

To extract raw data into a CSV file, please select organization, department (if necessary) and a date range. There is an automatic option to extract data from the last **24 Hours, 7 days** or **30 days**; Alternatively, enter a specific date range. Then click "**Export Table Data**".

6. Shower Sensor

6.1 Shower Sensor Menu

In this section it is possible to view a list of all Shower Sensors within the organization, and their relevant information. Picture explanation for next page illustration:

A. **See a list of Shower Sensors and their last data collection timestamps**

B. **Edit Shower Sensor details, such as: Location** name **(Superuser accounts only),** Sensor **Name**
  - Click on the edit icon in the "Action" column

C. **See more details about Shower Sensor**
  - Click on the info button in the "Action" column

D. **Distribute your sensors into Departments (Superuser accounts only)**
  - Each sensor has a dropdown menu in the "Department" column, where it is possible to assign a Shower Sensor to a department.

E. **Export a list of Shower Sensors into a CSV file**

Aguardio

AGUARDIO **HUB GUIDE**

Please note: Location name information is only available for Superuser accounts.

6.2 Shower Statistics

In the statistics section, an overview is available of data collected from the Shower Sensors in your organization.
(If you are a Superuser you can also view data per individual sensor).

In order to see data visualizations, please select organization and date range. There is an automatic option to see data from the last **24 Hours**, **7 days** or **30 days**; Alternatively, choose a custom date range.
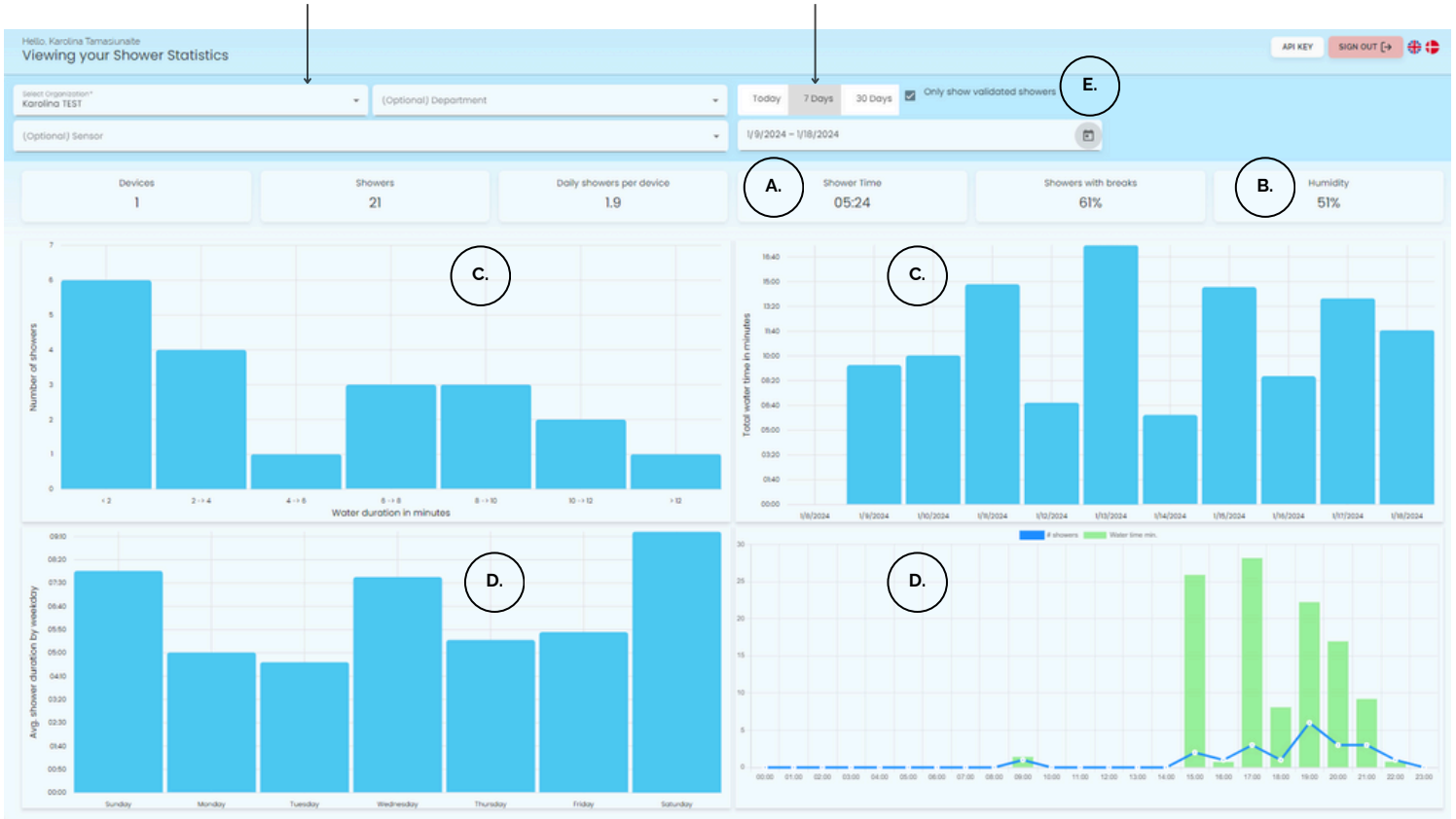
HOW YOU CAN USE AGUARDIO SHOWER SENSOR DATA

Picture explanation of next page illustration:

A. **Average Shower time for a particular period:** Monitor User showering behavior in your organization

B. **Bathroom health:** Monitor humidity levels to detect any health hazards.

C. **Total water duration in minutes and number of showers distributed into time intervals:** Monitor whether there has been a change in shower duration.

D. **Total water time per hour and avg. water time by weekday:** Identify the peak usage days and hours of the day to pinpoint when your facilities are the busiest. These insights allow you to streamline maintenance and cleaning routines as well as ensure adequate water supply.

E. Tick the **"Only show validated showers"** box, if you want to exclude short showers of less than 40 seconds from your data overview.

Aguardio

AGUARDIO **HUB GUIDE**

1. Choose your organization

2. Select date range

5.3   Shower Raw data (only available for Superuser account)

To extract raw data into a CSV file, please select organization, department (if necessary) and a date range. There is an automatic option to extract data from the last **24 hours, 7 days** or **30 days**; Alternatively, enter a specific date range. Then click ''**Export Table Data**''.

After clicking on **'Export Table Data,'** a new window will open. From there, you can filter out short showers from the data set, which could potentially be handwashes.