



IoTemp❄️

Temperature-Humidity Monitoring Platform

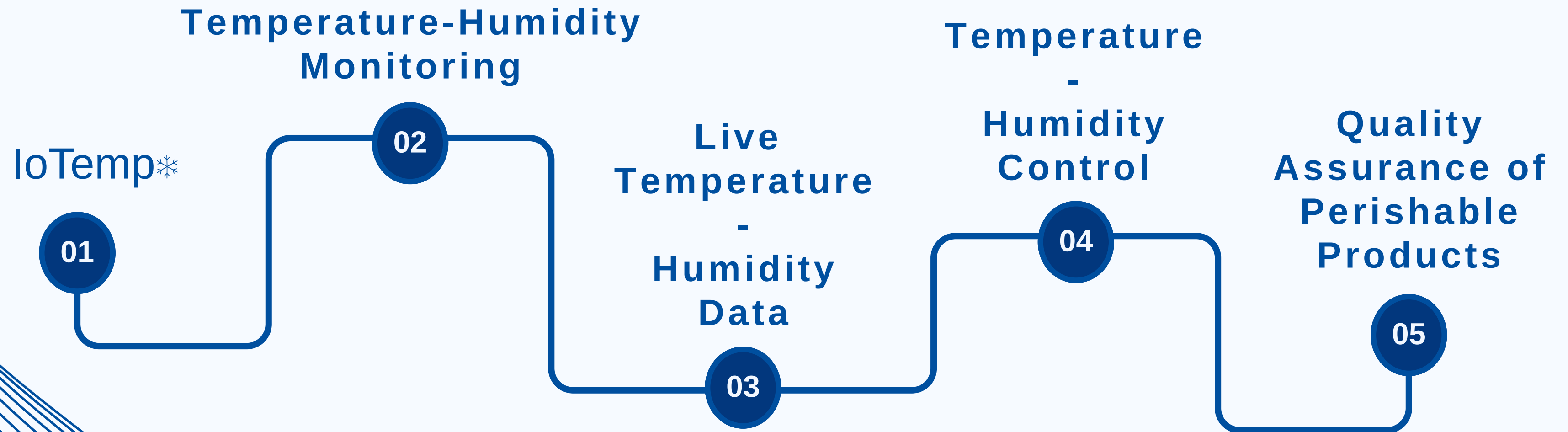
Presentation

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Temperature-Humidity Monitoring Platform

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IoTemp is a **Temperature-Humidity monitoring platform** developed by **Alfakom**. It offers a complete and advanced solution for **real-time** recording and monitoring of the Temperature and Humidity of the refrigerators, fully compliant with all European Standards (such as T EN12830), ensuring **high levels of measurement accuracy**. In addition, the platform provides data on the **Door Status** of the refrigerators (Open-Closed).



Connection of 1 to 20 Wireless Bluetooth Temperature-Humidity Sensors by Ela Innovation
with 1 Transmitter with Power Supply & 1 Wired Magnetic Contact



Temperature Sensors



ELA BLUE PUCK T EN12830

Temperature Range
-40°C to +85°C



ELA BLUE PUCK T-PROBE

Temperature Range
-80°C to +200°C

*Ideal for Pharmacies



ELA BLUE PUCK RHT

Temperature Range
-40°C to +85°C

Humidity Range
0% µε 100%



Transmitter



Wired Magnetic Contact



- Sensor Autonomy: 8 to 10 years
- Sensor Range: Up to 300 m (in open field)

Software

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www.iotemp.gr

Log In

To **Log In** to the **IoTemp** platform, please enter your:

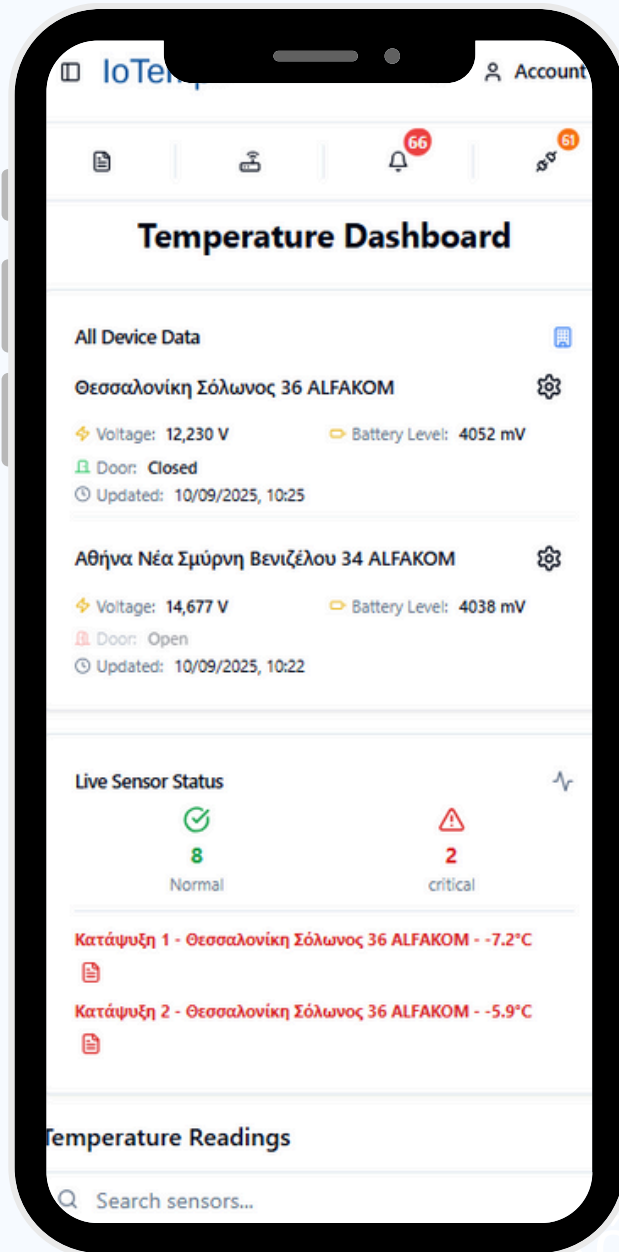
Email

Password



App

IoTemp❄️



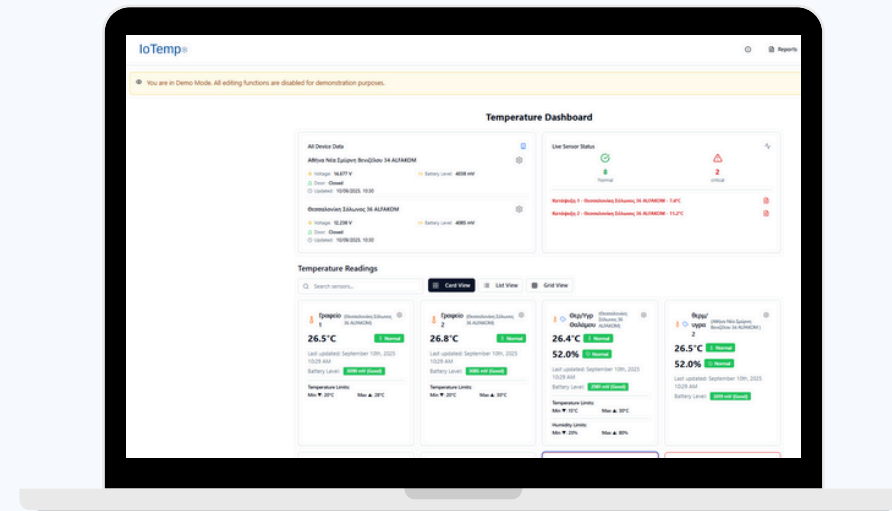
For Temperature-Humidity Monitoring, wherever you are!

IoTemp platform is available as a **Mobile App** (Android & on iOS coming soon) on **Google Play** and the **App Store**.



Demo

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www.iotemp.gr

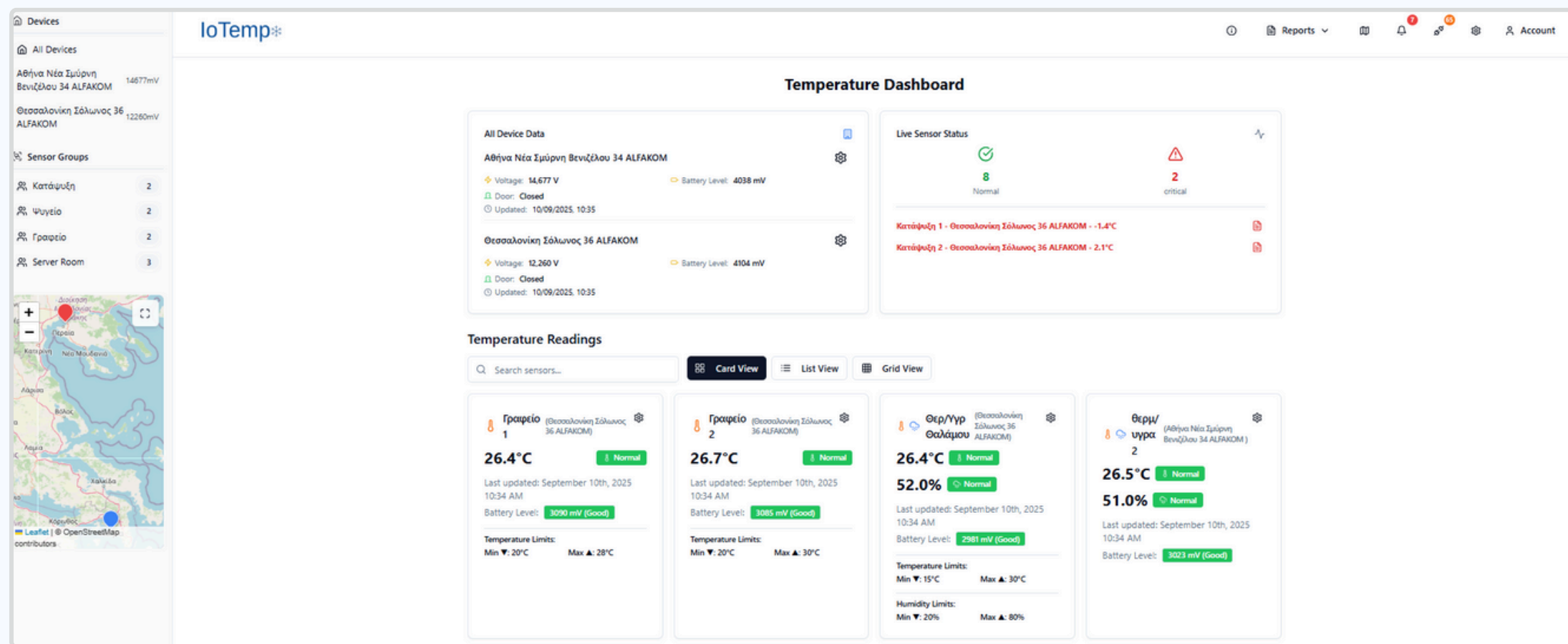
DEMO

Selecting “**Demo View**” allows you to access the platform without requiring an account login.



Temperature Dashboard

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By connecting to the **IoTemp** platform, you are given access to the “**Temperature Dashboard**”, which includes the following sections:

✓ All Device Data

✓ Live Sensor Status

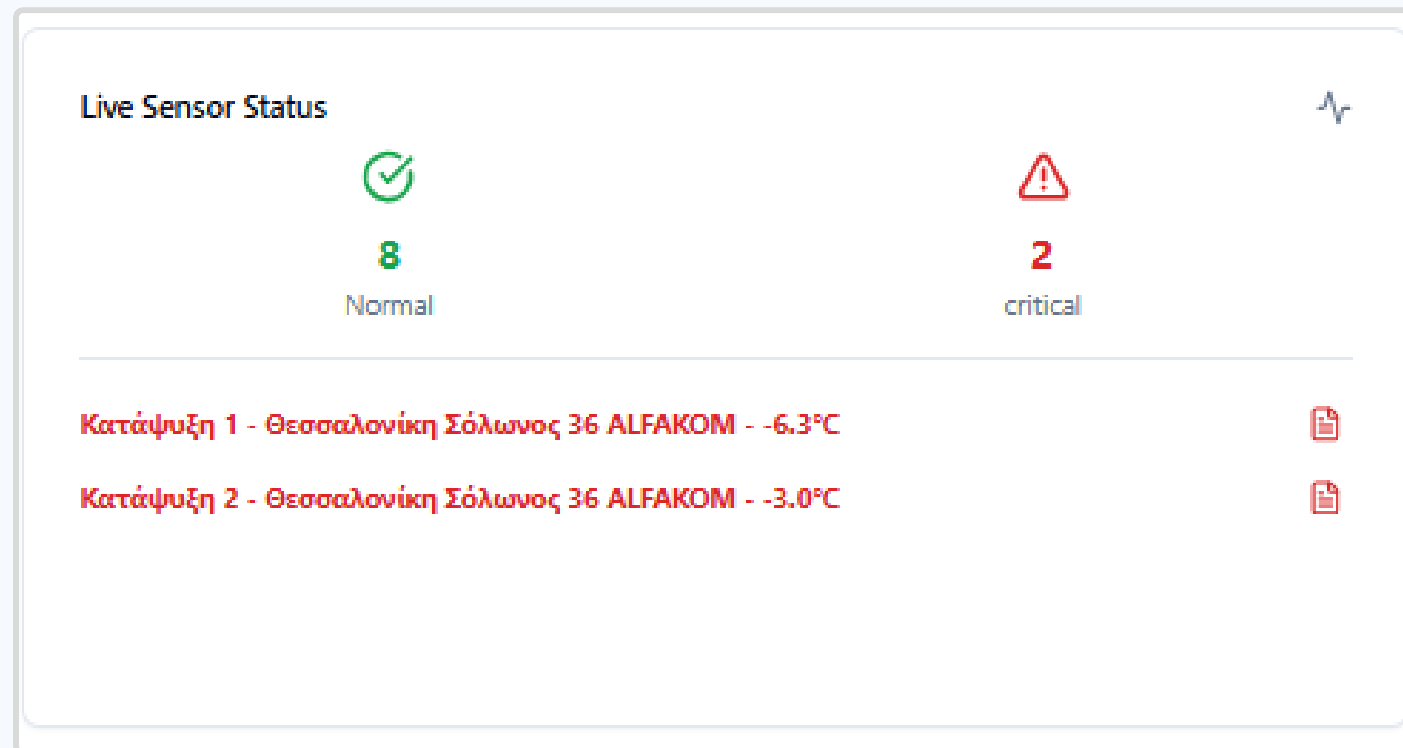
✓ Temperature Readings

✓ Temperature History

Through the platform you have access to **Devices**, **Sensor Groups** and the **Map with the Location** of Sensors.

Live Sensor Status

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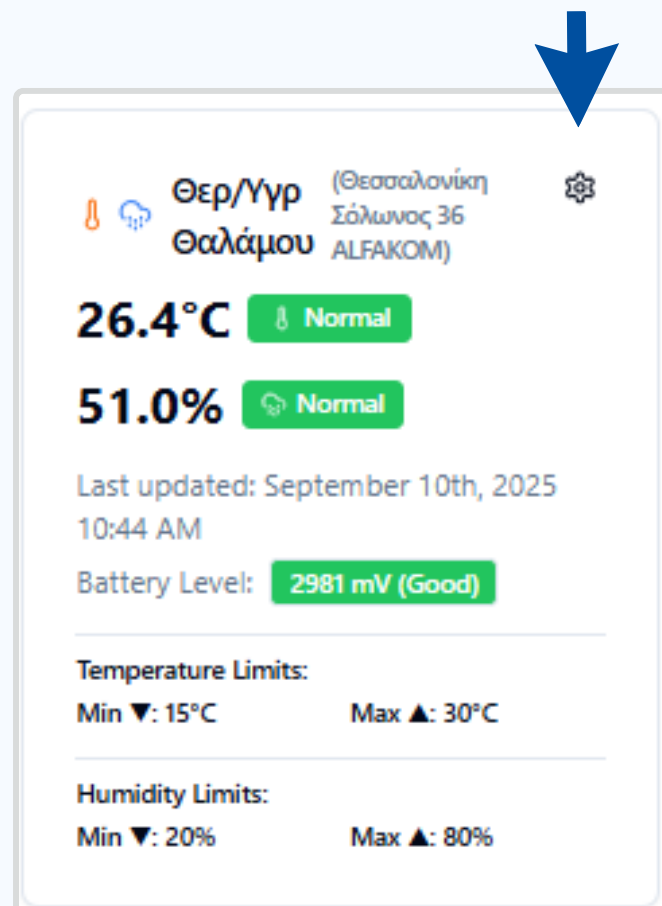


In the “**Live Sensor Status**” section, you can check:

- How many sensors are in **Normal** operation (within the desired range).
- How many and which sensors are in a **Critical** state (outside the desired range).

Sensor Settings

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Sensor Settings

Configure temperature thresholds and notifications for Θερ/Υγρ Θαλάμου

Upper Threshold (°C)

Lower Threshold (°C)

Upper Humidity Threshold (%)

Lower Humidity Threshold (%)

☒ Enable notifications

Email Address

Phone Number

Telegram Chat ID

To get your Chat ID:
1. Start a chat with @iotemp_alert_bot on Telegram
2. Send any message to the bot
3. The bot will reply with your Chat ID
4. Copy and paste the Chat ID here

Cancel Save

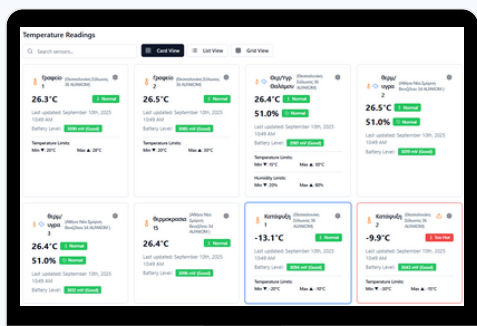
For **each Temperature Reading**, you have the option, by clicking on the gear icon, to set the **Maximum Temperature-Humidity Threshold (Max)**, the **Minimum Temperature-Humidity Threshold (Min)**, as well as choose whether to receive notifications via **Email** and/or **Telegram**.

Temperature-Humidity Graph

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1

Select the desired **Temperature Reading**.



2

In the “**Temperature History - Today**” section, select “**Load Graph**”.

Temperature History - Today

September 10th, 2025

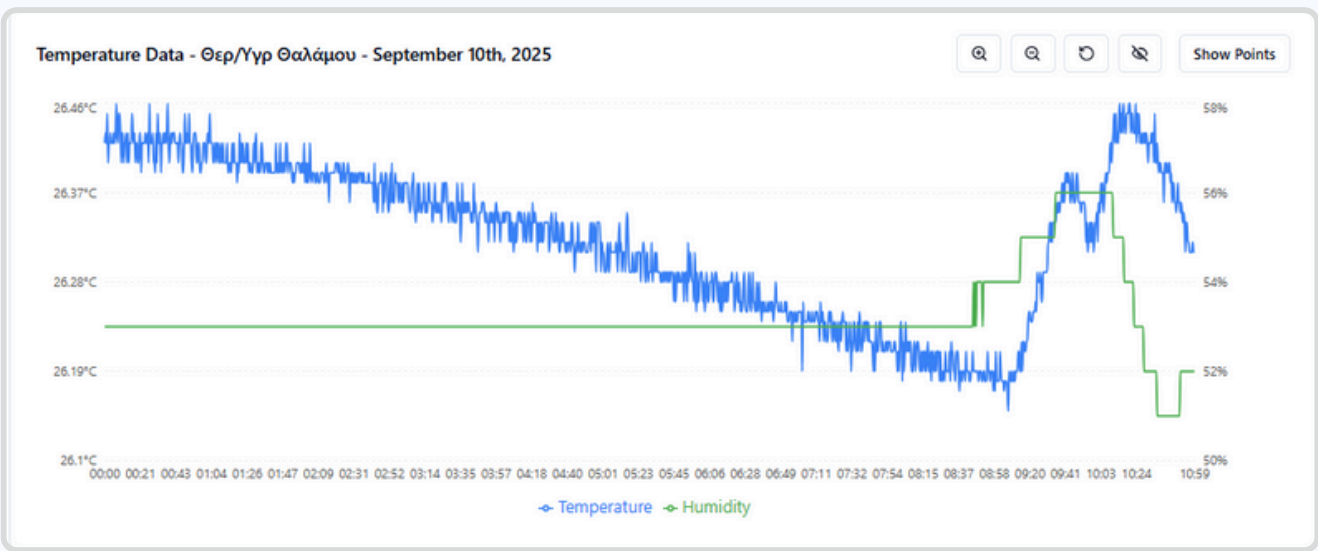
Click "Load Graph" to view temperature data for Γραφείο 2

Last sensor reading: September 10th, 2025 10:54 AM

Load Graph

3

The **Graph** is ready!



List View

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Temperature Readings

Search sensors...

Card View **List View** Grid View

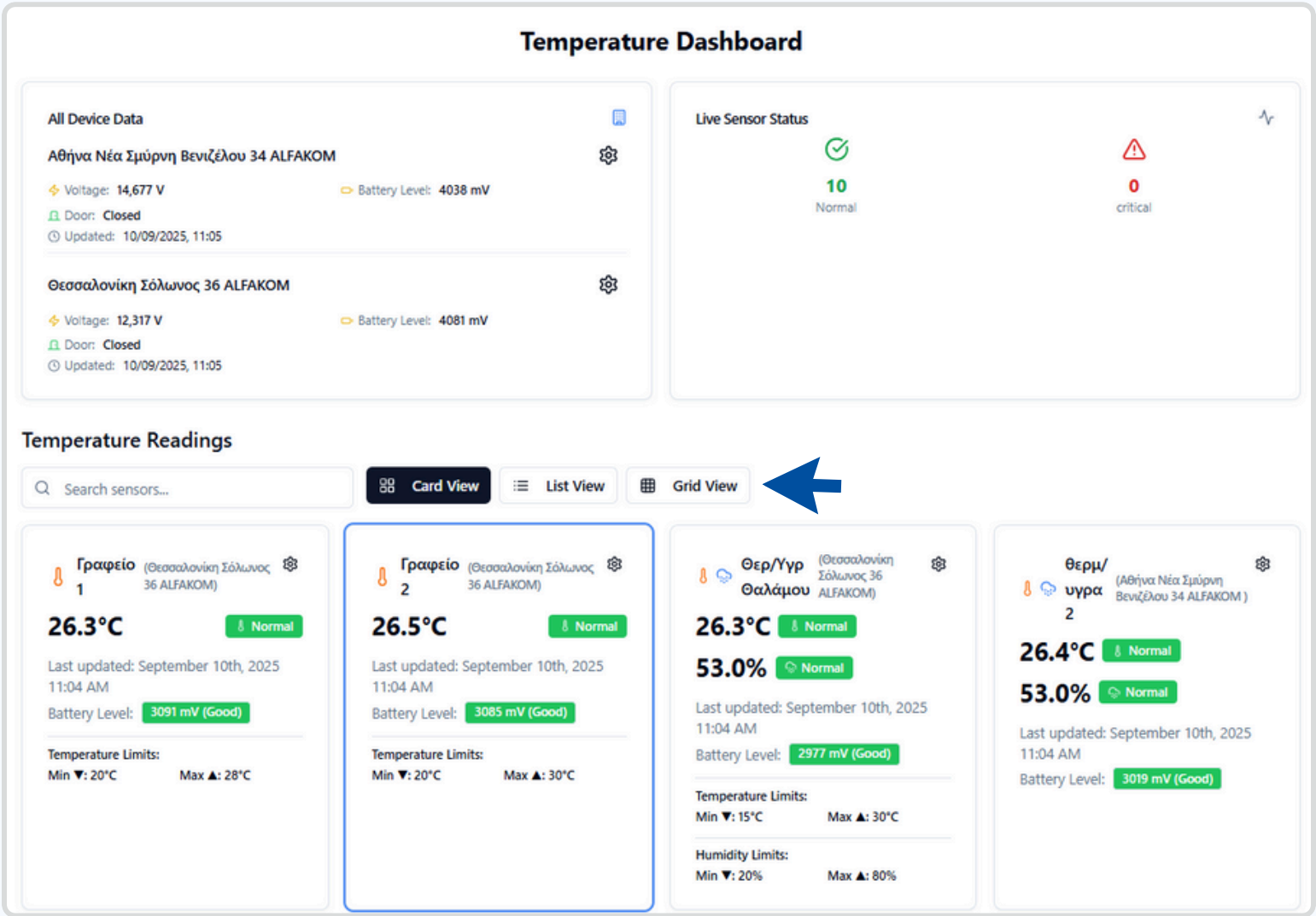
All Temperature Sensors

Status	Sensor	Device	Temperature	Humidity	Max/Min	battery	Last updated	Settings
●	Γραφείο 1	Θεσσαλονίκη Σόλωνος 36 ALFAKOM	🌡️ 26.3°C	-	↗️ Max: 28.0°C ↘️ Min: 20.0°C	🔋 3091mV	2025 Sep 10 10:59	⚙️
●	Γραφείο 2	Θεσσαλονίκη Σόλωνος 36 ALFAKOM	🌡️ 26.5°C	-	↗️ Max: 30.0°C ↘️ Min: 20.0°C	🔋 3085mV	2025 Sep 10 10:59	⚙️
●	Θερ/Υγρ Θαλάμιου	Θεσσαλονίκη Σόλωνος 36 ALFAKOM	🌡️ 26.3°C	52.0%	↗️ Max: 30.0°C ↘️ Min: 15.0°C	🔋 2981mV	2025 Sep 10 10:59	⚙️
●	Θερμ/υγρα 2	Αθήνα Νέα Σμύρνη Βενιζέλου 34 ALFAKOM	🌡️ 26.4°C	52.0%	Not set	🔋 3023mV	2025 Sep 10 10:59	⚙️
●	Θερμ/υγρα 3	Αθήνα Νέα Σμύρνη Βενιζέλου 34 ALFAKOM	🌡️ 26.3°C	52.0%	Not set	🔋 3009mV	2025 Sep 10 10:59	⚙️
●	Θερμοκρασία 15	Αθήνα Νέα Σμύρνη Βενιζέλου 34 ALFAKOM	🌡️ 26.4°C	-	Not set	🔋 3097mV	2025 Sep 10 10:59	⚙️
●	Κατάψυξη 1	Θεσσαλονίκη Σόλωνος 36 ALFAKOM	🌡️ -17.8°C	-	↗️ Max: -10.0°C ↘️ Min: -20.0°C	🔋 3094mV	2025 Sep 10 10:59	⚙️
●	Κατάψυξη 2	Θεσσαλονίκη Σόλωνος 36 ALFAKOM	🌡️ -14.8°C	-	↗️ Max: -15.0°C ↘️ Min: -30.0°C	🔋 3043mV	2025 Sep 10 10:59	⚙️
●	Ψυγείο 1	Θεσσαλονίκη Σόλωνος 36 ALFAKOM	🌡️ 4.6°C	-	↗️ Max: 12.0°C ↘️ Min: -0.1°C	🔋 3025mV	2025 Sep 10 10:59	⚙️
●	Ψυγείο 2	Θεσσαλονίκη Σόλωνος 36 ALFAKOM	🌡️ 4.3°C	-	↗️ Max: 11.0°C ↘️ Min: -1.0°C	🔋 3050mV	2025 Sep 10 10:59	⚙️

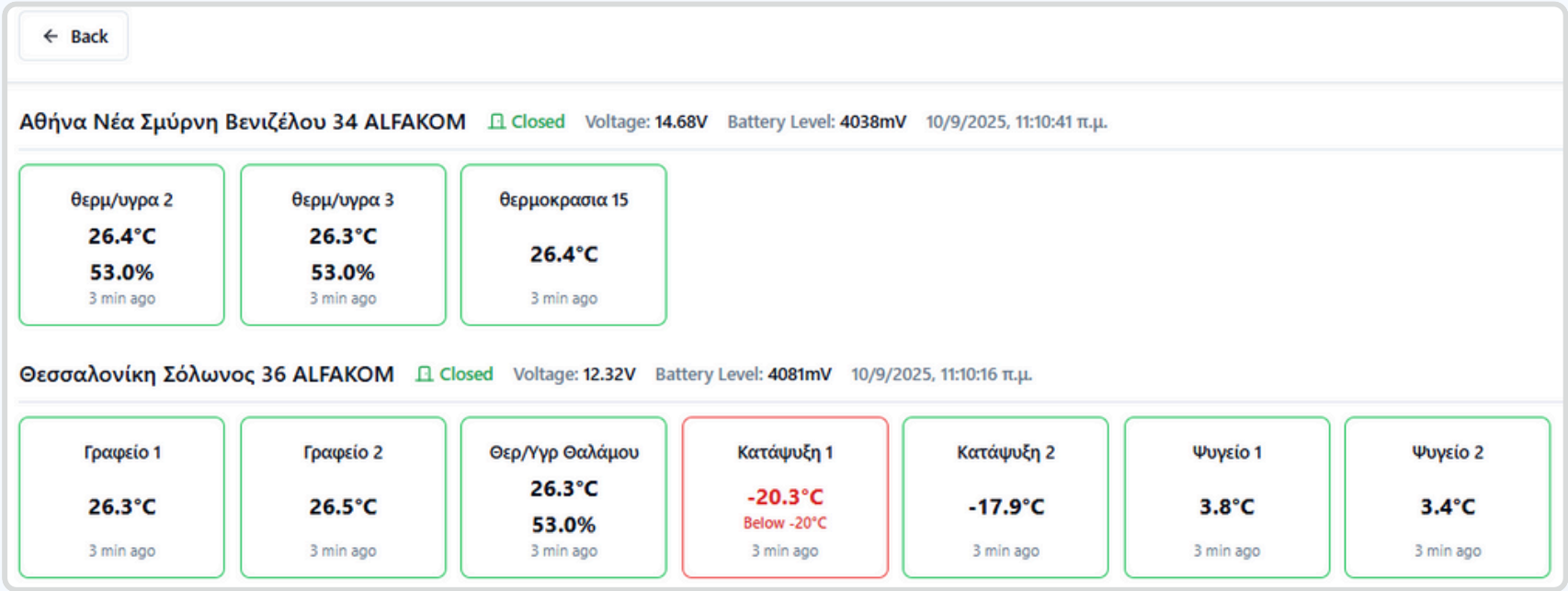
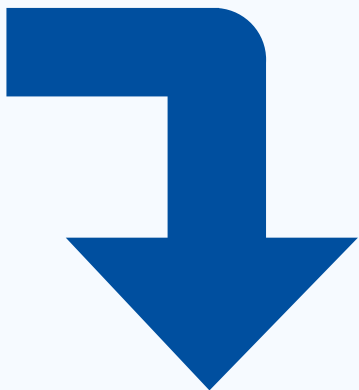
Within the “**Temperature Readings**” section, selecting “**List View**” displays a comprehensive overview of all sensors on a single screen in a list format.

Grid View

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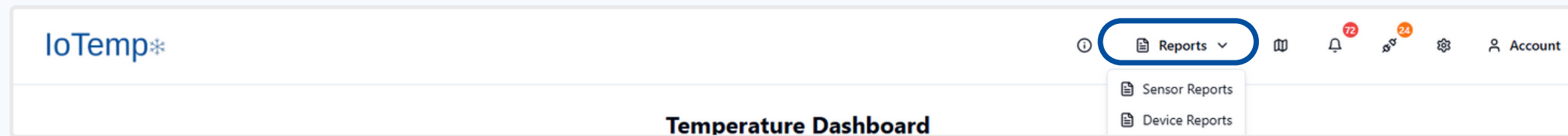


Within the “**Temperature Readings**” section, selecting “**Grid View**” displays a comprehensive overview of all sensors on a single screen in a grid format.



Reports

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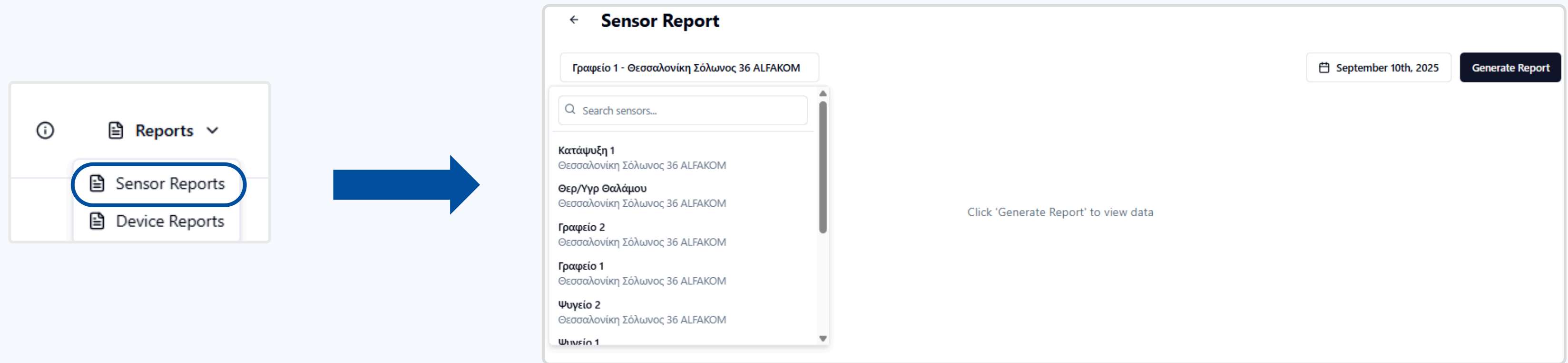
Through the **IoTemp** platform, you can generate **Reports**:

1 Sensor Reports

2 Device Reports

Sensor Reports

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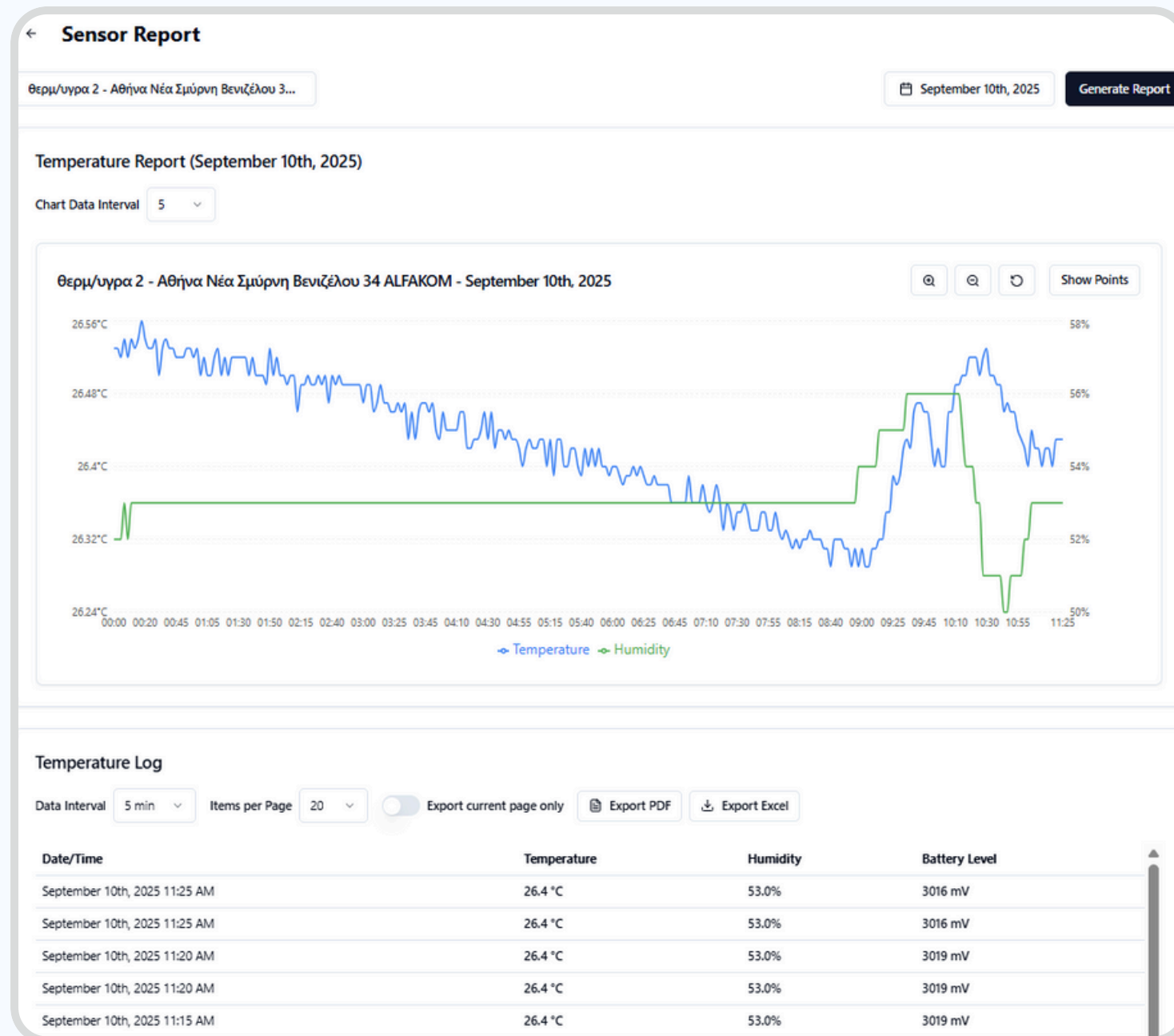
In the “**Sensor Reports**” option, select the desired sensor and click on “**Generate Report**” to view the data.

Sensor Reports

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The report is ready and displays the **Temperature-Humidity Graph** and the **Temperature Log**.

Through the platform, you have the option to export the data as a **PDF** and/or **Excel** file.



Temperature Log

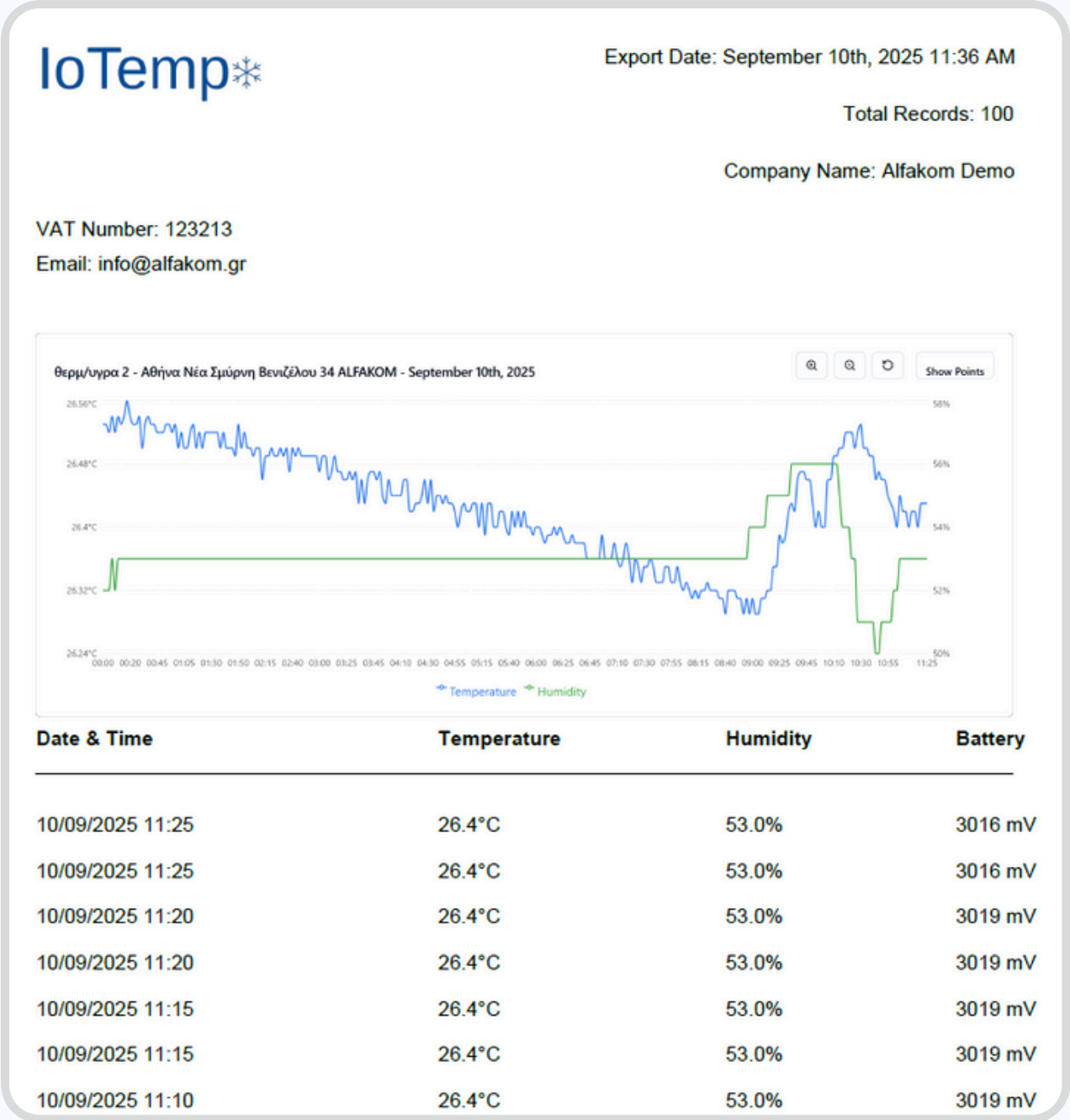
The **Temperature Log** displays the **Temperature, Humidity and Battery Level** of the **Temperature Sensor**, organized by **Date/Time**.

You can set the **Log Data Interval** to **5 / 10 / 15 / 30** or **60 minutes**.



Data recording every 5 minutes

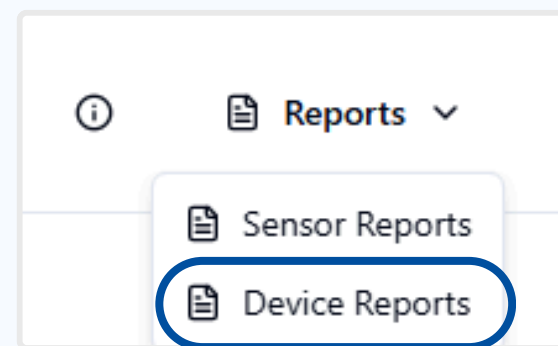
Sensor Reports | Export to PDF & Excel



	A	B	C	D	E
1	Date Exported:	10/9/2025			
2	Company Name:	Alfakom Demo			
3	VAT Number:	123213			
4	Email:	info@alfakom.gr			
5	Sensor Name:	θερμ/υγρα 2			
6	Location:	Αθήνα Νέα Σμύρνη Βενιζέλου 34 ALFAKOM			
7					
8	Date	Time	Temperature (°C)	Humidity (%)	Battery Level (mV)
9	10/9/2025	11:25 π.μ.	26.4	53.0	3016
10	10/9/2025	11:25 π.μ.	26.4	53.0	3016
11	10/9/2025	11:20 π.μ.	26.4	53.0	3019
12	10/9/2025	11:20 π.μ.	26.4	53.0	3019
13	10/9/2025	11:15 π.μ.	26.4	53.0	3019
14	10/9/2025	11:15 π.μ.	26.4	53.0	3019
15	10/9/2025	11:10 π.μ.	26.4	53.0	3019
16	10/9/2025	11:10 π.μ.	26.4	53.0	3019
17	10/9/2025	11:05 π.μ.	26.4	53.0	3019
18	10/9/2025	11:05 π.μ.	26.4	53.0	3019
19	10/9/2025	11:00 π.μ.	26.4	52.0	3023
20	10/9/2025	11:00 π.μ.	26.4	52.0	3023
21	10/9/2025	10:55 π.μ.	26.4	51.0	3023
22	10/9/2025	10:55 π.μ.	26.4	51.0	3023
23	10/9/2025	10:50 π.μ.	26.5	51.0	3019
24	10/9/2025	10:50 π.μ.	26.5	51.0	3019
25	10/9/2025	10:45 π.μ.	26.5	50.0	3019
26	10/9/2025	10:45 π.μ.	26.5	50.0	3019
27	10/9/2025	10:40 π.μ.	26.5	51.0	3023
28	10/9/2025	10:40 π.μ.	26.5	51.0	3023
29	10/9/2025	10:35 π.μ.	26.5	51.0	3023
30	10/9/2025	10:35 π.μ.	26.5	51.0	3023
31	10/9/2025	10:30 π.μ.	26.5	51.0	3019
32	10/9/2025	10:30 π.μ.	26.5	51.0	3019
33	10/9/2025	10:25 π.μ.	26.5	53.0	3019
34	10/9/2025	10:25 π.μ.	26.5	53.0	3019
35	10/9/2025	10:20 π.μ.	26.5	54.0	3016
36	10/9/2025	10:20 π.μ.	26.5	54.0	3016
7	10/9/2025	10:15 π.μ.	26.5	54.0	3016

Device Reports

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← Device Reports

September 10th, 2025

Generate Report

Select Device

Device

Aθήνα Νέα Σμύρνη Βενιζέλου 34 ALFAKOM

Click 'Generate Report' to view data

In the **"Device Reports"** option, select the desired device and click on **"Generate Report"** to view the data.

Device Reports



The report is ready and displays the **Voltage, Battery Level & Door Status Graph** (Door Open-Closed), as well as the **Device Data Log**.

Through the platform, you have the option to export the data as an **Excel** file.



Device Data Log

The Device Data Log shows the **Voltage**, the **Battery Level** of the **Device** and the **Door Status**, organized by Date & Time. You can set the **Log Data Interval** to **5 / 10 / 15 / 30** or **60** minutes.

Device Reports | Export to Excel

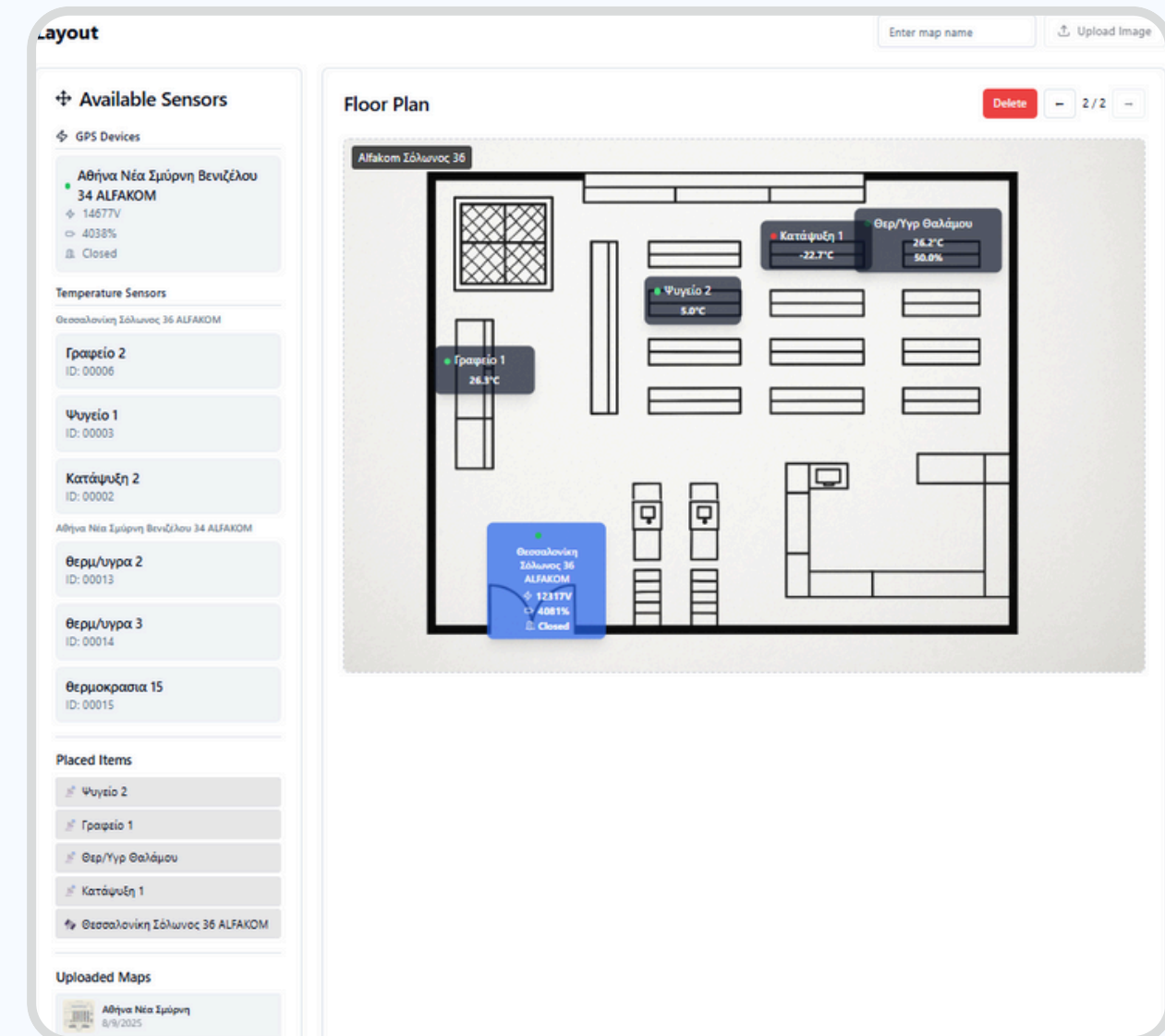
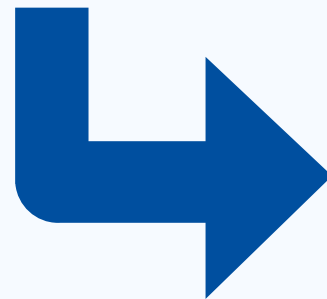
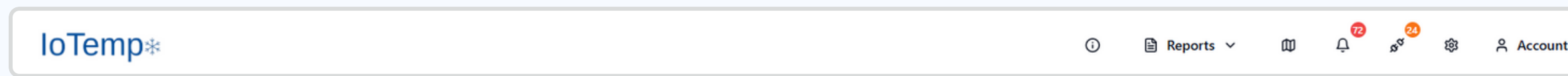


	A	B	C	D	E
1	Date Exported:	10/9/2025			
2	Company Name:	Alfakom Demo			
3	VAT Number:	N/A			
4	Email:	info@alfakom.gr			
5	Device Name:	Θεσσαλονίκη Σόλωνος 36 ALFAKOM			
6	Date Range:	September 10th, 2025			
7					
8	Date	Time	Voltage (V)	Battery Level (mV)	Door
9	10/9/2025	11:55 π.μ.	12.317	4081	Closed
10	10/9/2025	11:50 π.μ.	12.317	4081	Closed
11	10/9/2025	11:45 π.μ.	12.316	4081	Closed
12	10/9/2025	11:40 π.μ.	12.315	4081	Closed
13	10/9/2025	11:35 π.μ.	12.317	4081	Closed
14	10/9/2025	11:30 π.μ.	12.315	4081	Closed
15	10/9/2025	11:25 π.μ.	12.317	4081	Closed
16	10/9/2025	11:20 π.μ.	12.318	4081	Closed
17	10/9/2025	11:15 π.μ.	12.317	4081	Closed
18	10/9/2025	11:10 π.μ.	12.316	4081	Closed
19	10/9/2025	11:05 π.μ.	12.317	4081	Closed
20	10/9/2025	11:00 π.μ.	12.317	4085	Closed
21	10/9/2025	10:55 π.μ.	12.317	4087	Closed
22	10/9/2025	10:50 π.μ.	12.317	4104	Closed
23	10/9/2025	10:45 π.μ.	12.273	4133	Closed
24	10/9/2025	10:40 π.μ.	12.266	4118	Closed
25	10/9/2025	10:35 π.μ.	12.260	4104	Closed
26	10/9/2025	10:30 π.μ.	12.238	4085	Closed
27	10/9/2025	10:25 π.μ.	12.230	4052	Closed
28	10/9/2025	10:20 π.μ.	0.000	3794	Closed
29	10/9/2025	10:15 π.μ.	0.000	3857	Closed
30	10/9/2025	10:10 π.μ.	12.317	4048	Closed
31	10/9/2025	10:06 π.μ.	12.317	4048	Open
32	10/9/2025	10:05 π.μ.	12.319	4048	Closed
33	10/9/2025	10:00 π.μ.	12.315	4048	Closed
34	10/9/2025	09:55 π.μ.	12.299	4048	Closed
35	10/9/2025	09:54 π.μ.	12.286	4048	Open
<	10/9/2025	09:49 π.μ.	12.293	4048	Open

Sensor Map

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Clicking the icon displayed in the image opens the **Sensor Map** and the **Floor Plan** of your facility, which you can upload.

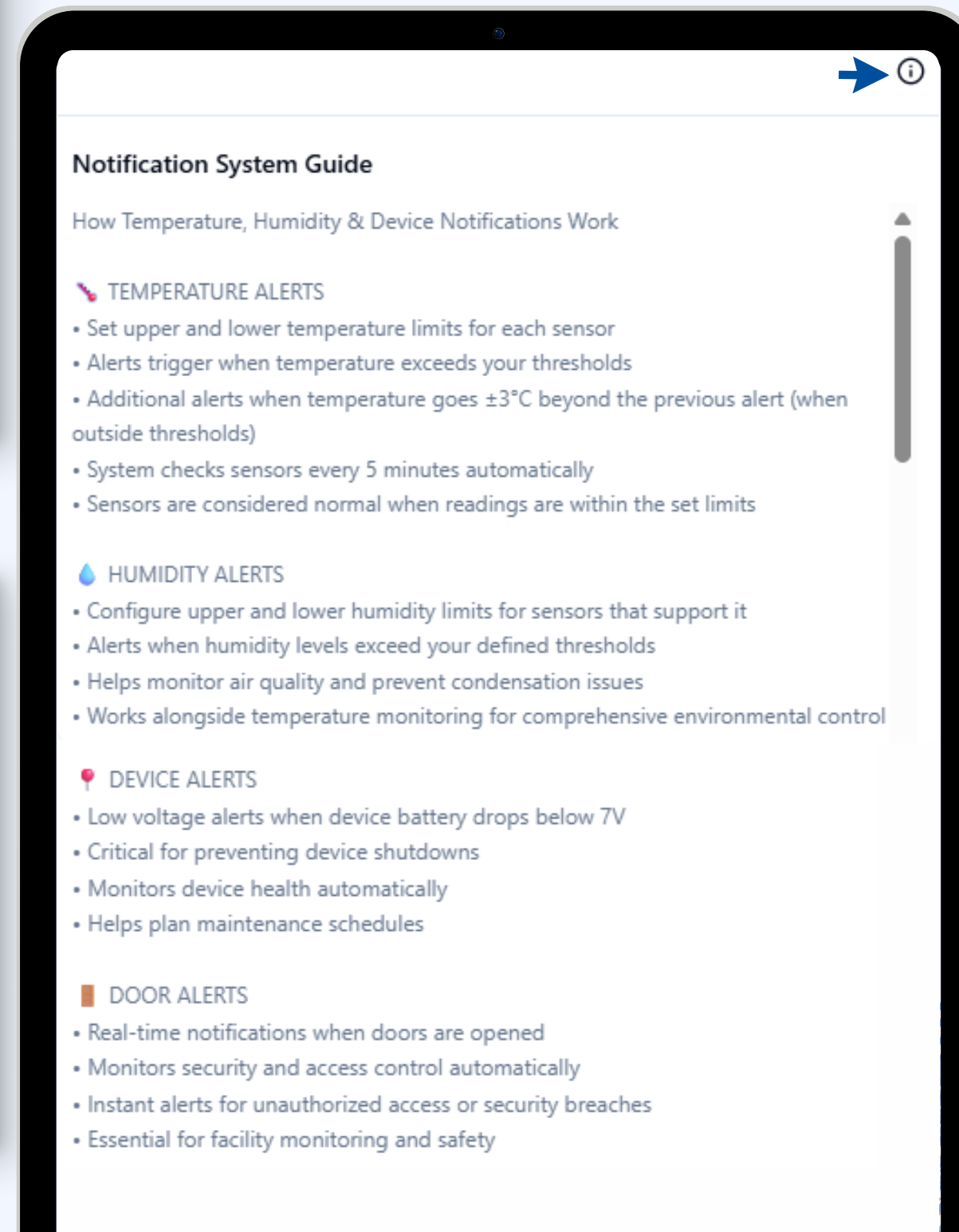


Notifications

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Info

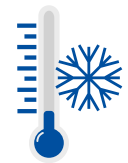
By clicking on the “**Info**” icon, you are provided with the “**Notification System Guide**”, which contains information on how **Temperature, Humidity & Device Alerts** work within the IoTemp platform.



Notification System Guide

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How Temperature, Humidity & Device Notifications Work



Temperature Alerts

- Set upper and lower temperature limits for each sensor
- Alerts trigger when temperature exceeds your thresholds
- Additional alerts when temperature goes $\pm 3^{\circ}\text{C}$ beyond the previous alert (when outside thresholds)
- System checks sensors every 5 minutes automatically
- Sensors are considered normal when readings are within the set limits



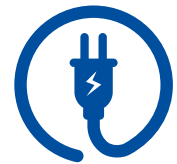
Humidity Alerts

- Configure upper and lower humidity limits for sensors that support it
- Alerts when humidity levels exceed your defined thresholds
- Helps monitor air quality and prevent condensation issues
- Works alongside temperature monitoring for comprehensive environmental control

Notification System Guide

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How Temperature, Humidity & Device Notifications Work



Device Alerts

- Low voltage alerts when device battery drops below 7V
- Critical for preventing device shutdowns
- Monitors device health automatically
- Helps plan maintenance schedules



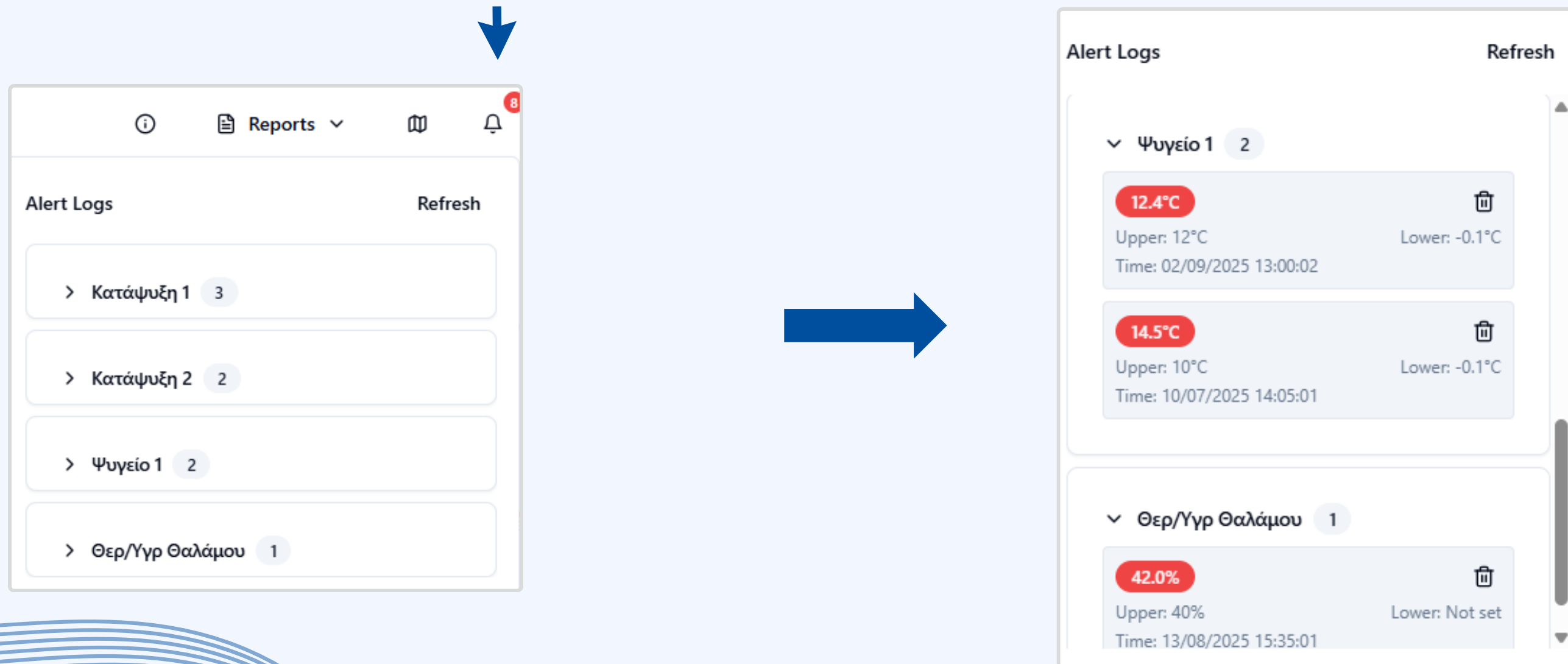
Door Alerts

- Real-time notifications when doors are opened
- Monitors security and access control automatically
- Instant alerts for unauthorized access or security breaches
- Essential for facility monitoring and safety

Temperature-Humidity Alerts

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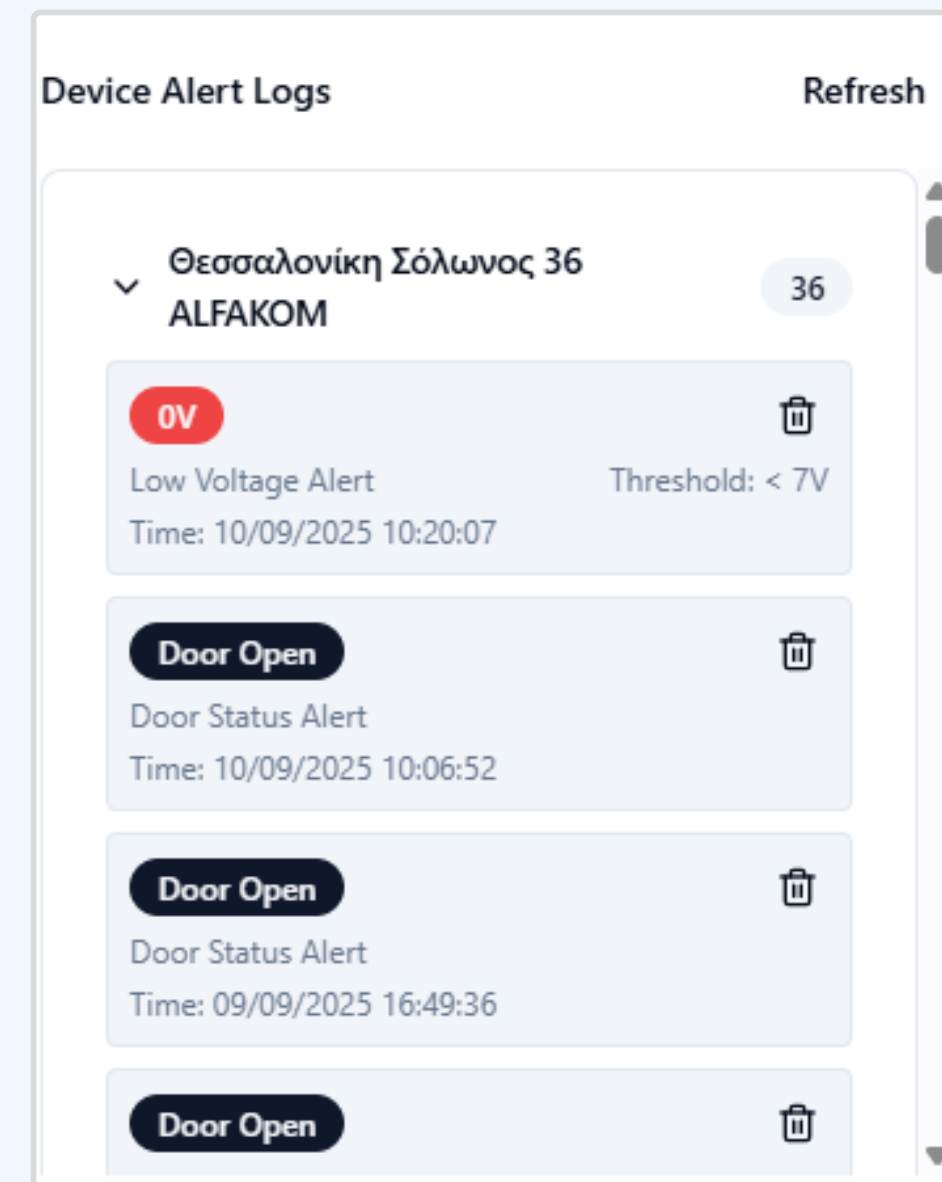
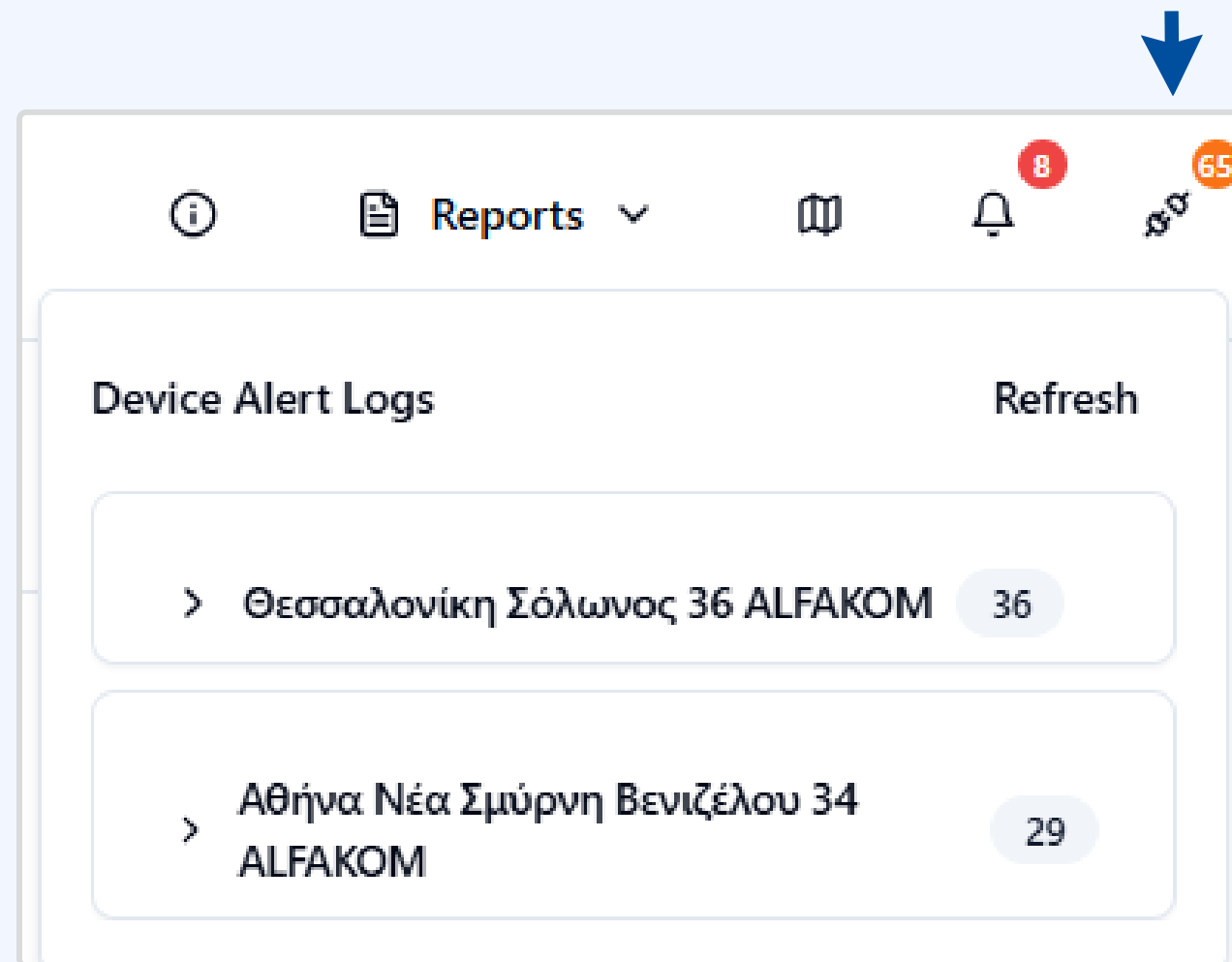
The platform provides detailed **Temperature-Humidity Alerts** for the **Sensors**.



Device Alerts

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Furthermore, the system allows you to receive **Voltage & Door Status Alerts** for the Devices.



Settings | Sensor Names

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Settings

Customize your temperature monitoring system

Sensor Names

Sensor Groups

Devices

Sensors

00006: Γραφείο 2

00013: θερμ/υγρα 2

00011: Θερ/Υγρα Θαλάμου

00014: θερμ/υγρα 3

00015: θερμοκρασια 15

00003: Ψυγείο 1

00004: Ψυγείο 2

00005: Γραφείο 1

00002: Κατάψυξη 2

00001: Κατάψυξη 1

Cancel

Save Changes

Selecting the gear icon opens the platform **Settings** menu for:

- **Sensor Names**
- **Sensor Groups**
- **Devices**
- **Notifications**

Within the **Sensor Names** Settings, you can rename the areas being monitored.

Settings | Sensor Groups

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Sensor Groups
Manage Sensor Groups

Sensor Group Memberships

Γραφείο 1
Γραφείο

Γραφείο 2
Γραφείο

Θερ/Υγρ Θαλάμου
Server Room

Θερμ/υγρα 2
Server Room

Θερμ/υγρα 3
Server Room

Θερμοκρασία 15
No groups

Κατάψυξη 1
Κατάψυξη

Κατάψυξη 2
Κατάψυξη

Ψυγείο 1
Ψυγείο

Ψυγείο 2
Ψυγείο

+ Create New Group

Group Name

Select Sensors

☐ Γραφείο 1

☐ Θερ/Υγρ Θαλάμου

☐ Θερμ/υγρα 3

☐ Κατάψυξη 1

☐ Ψυγείο 1

☐ Γραφείο 2

☐ Θερμ/υγρα 2

☐ Θερμοκρασία 15

☐ Κατάψυξη 2



☐ Ψυγείο 2

Create Group

Existing Groups



Κατάψυξη 2 sensors

Κατάψυξη 1 Κατάψυξη 2



Ψυγείο 2 sensors

Ψυγείο 1 Ψυγείο 2



Γραφείο 2 sensors

Γραφείο 1 Γραφείο 2

Server Room 3 sensors

Θερμ/υγρα 3 Θερμ/υγρα 2 Θερ/Υγρ Θαλάμου

In the **Sensor Groups** Settings, you can manage existing sensor groups and create new ones.

Settings

Customize your temperature monitoring system

Sensor Names

Sensor Groups

Devices

Devices

Device ICCID: 864636062971615

Aθήνα Νέα Σμύρνη Βενιζέλου 34 ALFAKOM

Device ICCID: 864636064756568

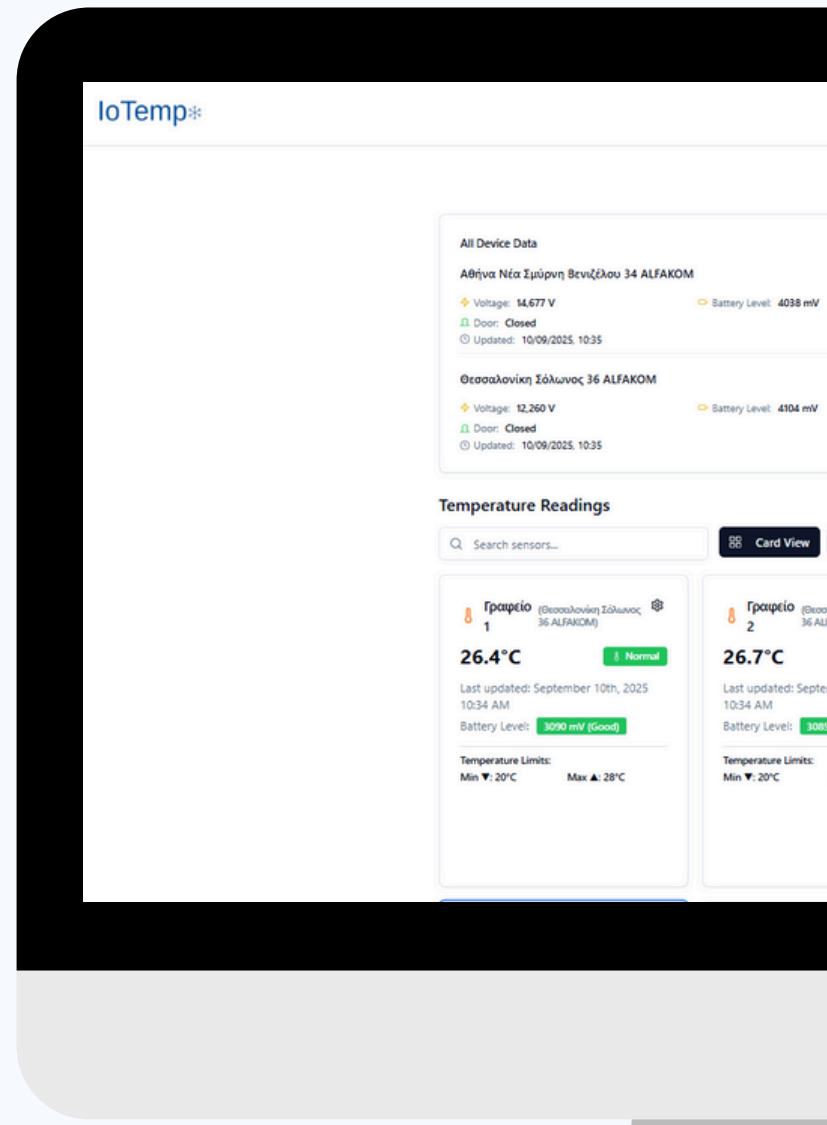
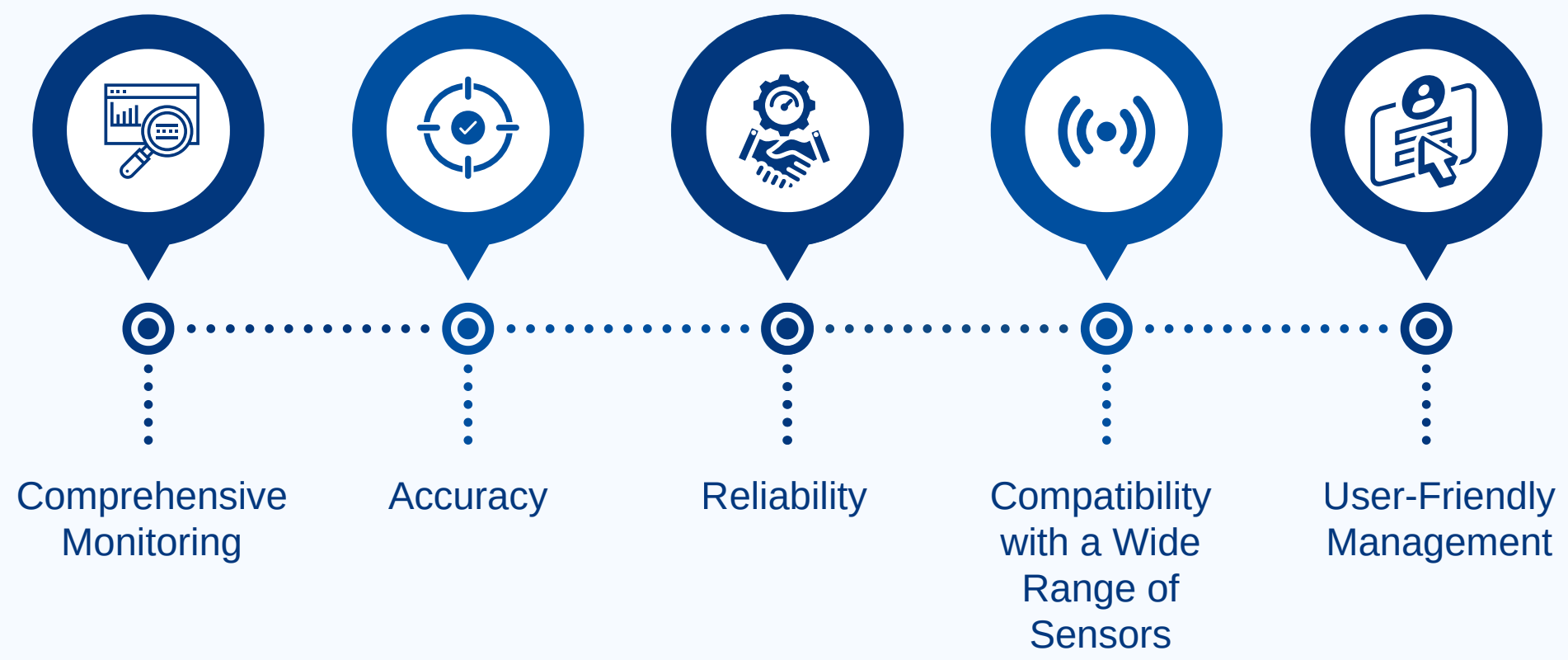
Θεσσαλονίκη Σόλωνος 36 ALFAKOM

Cancel

Save Changes

In the **Devices** Settings, you can customize your temperature monitoring system.

Why Choose IoTemp





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For any information or clarification, please contact us.

☎️ (+30) 2310 767777
(+30) 2110 018560

✉️ info@alfakom.gr

🌡️ www.iotemp.gr

🌐 www.alfakom.gr