

VILPE SENSE MANUAL

PLANNING & REGISTRATION OF THE SENSORS



Table of Contents

VILPE SENSE LEAK DETECTION **2**

1.1. Design Guideline 3

1.2. Project portal 3

STEP-BY-STEP PLAN **4**

2.1. VILPE Sense Cloud and Service Planning 4

SALES AND TECHNICAL SUPPORT

Tel. +31 6 44 12 66 82

tijn.smits@eurofastgroup.com

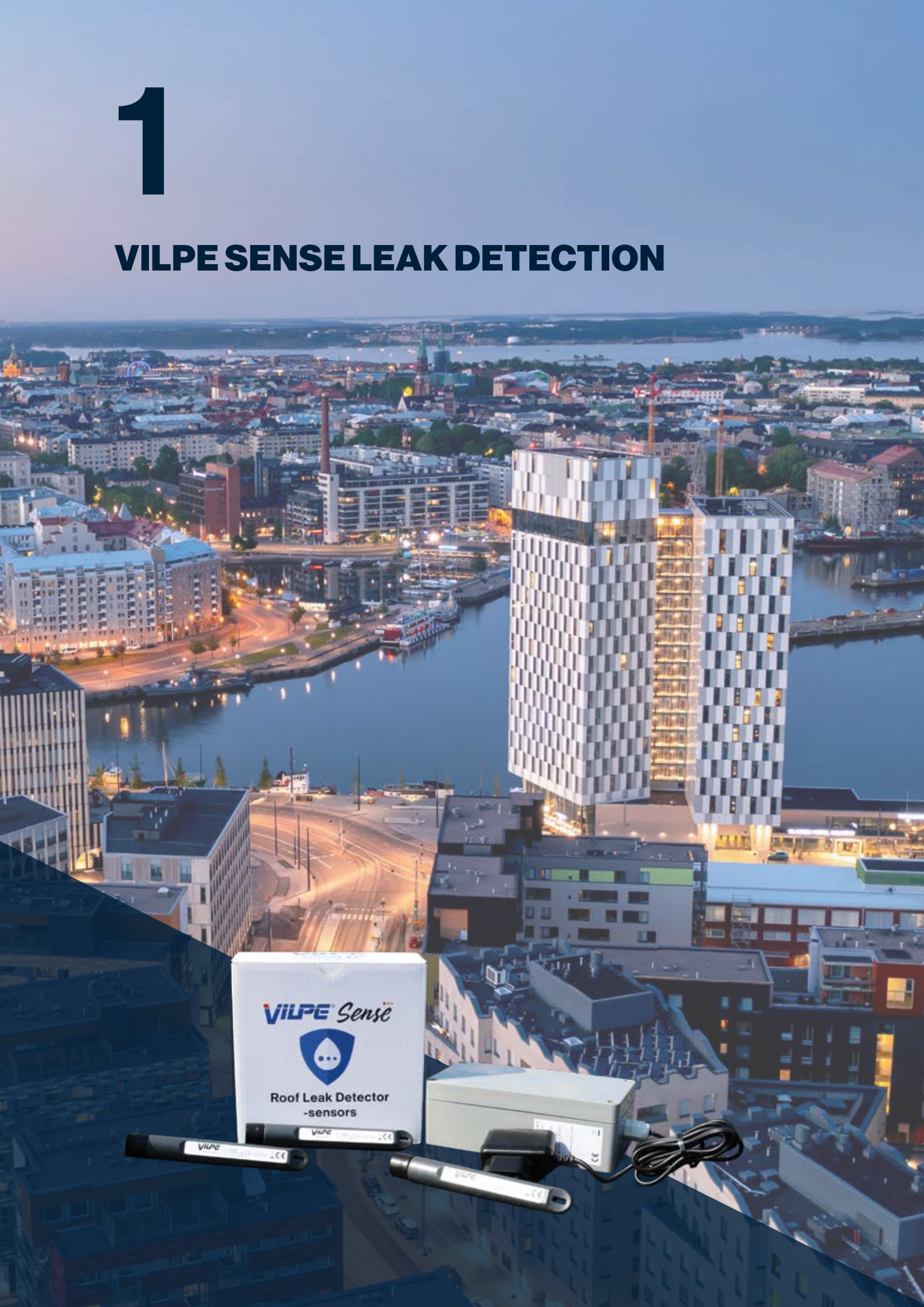
Contact sales

› EUROFASTGROUP.NL/SENSE

VILPE® Innovative and Easy

1

VILPE SENSE LEAK DETECTION



1. VILPE SENSE LEAK DETECTION

1.1. System Component Registration and Cloud Service Planning

System Components

- **VILPE Sense Leak Detector sensors (RHT-2).** The intelligent Sense leak sensor detects, locates, and warns of moisture buildup in the roof structure. The sensors are installed every 5-10 meters in the insulation layer on a flat roof or other moisture-sensitive structure. The shorter the distance between the sensors, the more accurate the measurements. Depending on the type of roof and the structure beneath the roof, you can choose to use more or fewer sensors.

  The sensors measure the following two parameters: relative humidity and temperature. The rest of the system then converts this data into absolute humidity.

- **VILPE Sense Mobile Base Station (CCU-1).** Serves as a gateway between the sensors and the cloud service. The sensors connect to the mobile base station, which connects to the cloud service via a SIM card. Up to 200 sensors can be connected to a single mobile base station. The mobile base station is plugged into a wall socket. Once powered, it connects wirelessly to the sensors and the project portal. A pre-installed SIM card with a data subscription is included. The subscription has a 10-year warranty. The SIM card operator is Elisa M2M (Vodafone Global) and operates in EU and ETA countries.



VILPE Sense Leak Detector (RHT-2).



VILPE Sense Mobile Base Station (CCU-1)

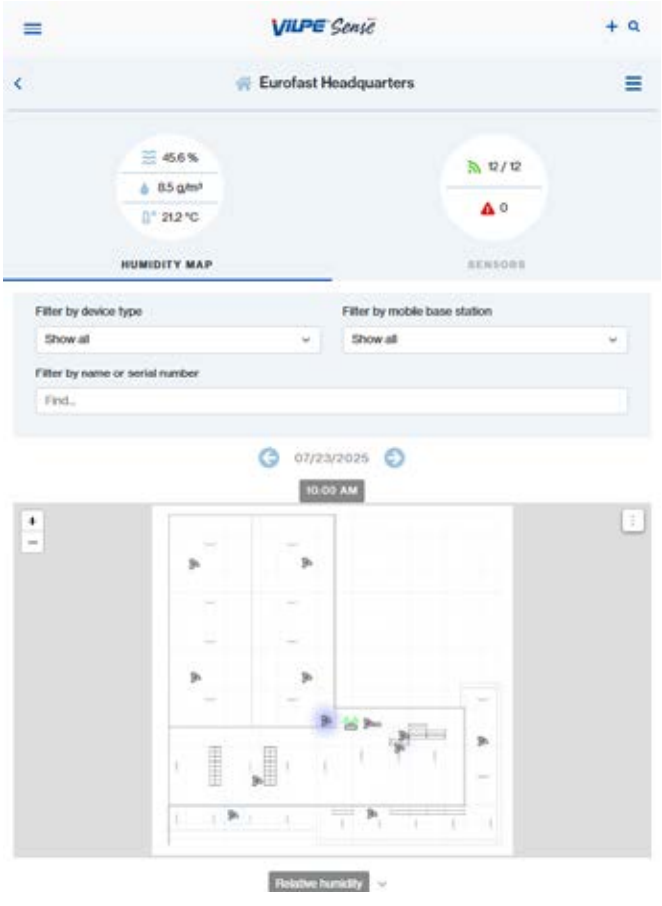
Project portal

In the VILPE Sense project portal, all sensor measurements are displayed on a clear dashboard. Here you can see:

- Average measurement data;
- Status per sensor;
- Location of a potential leak;
- Alarms and settings.

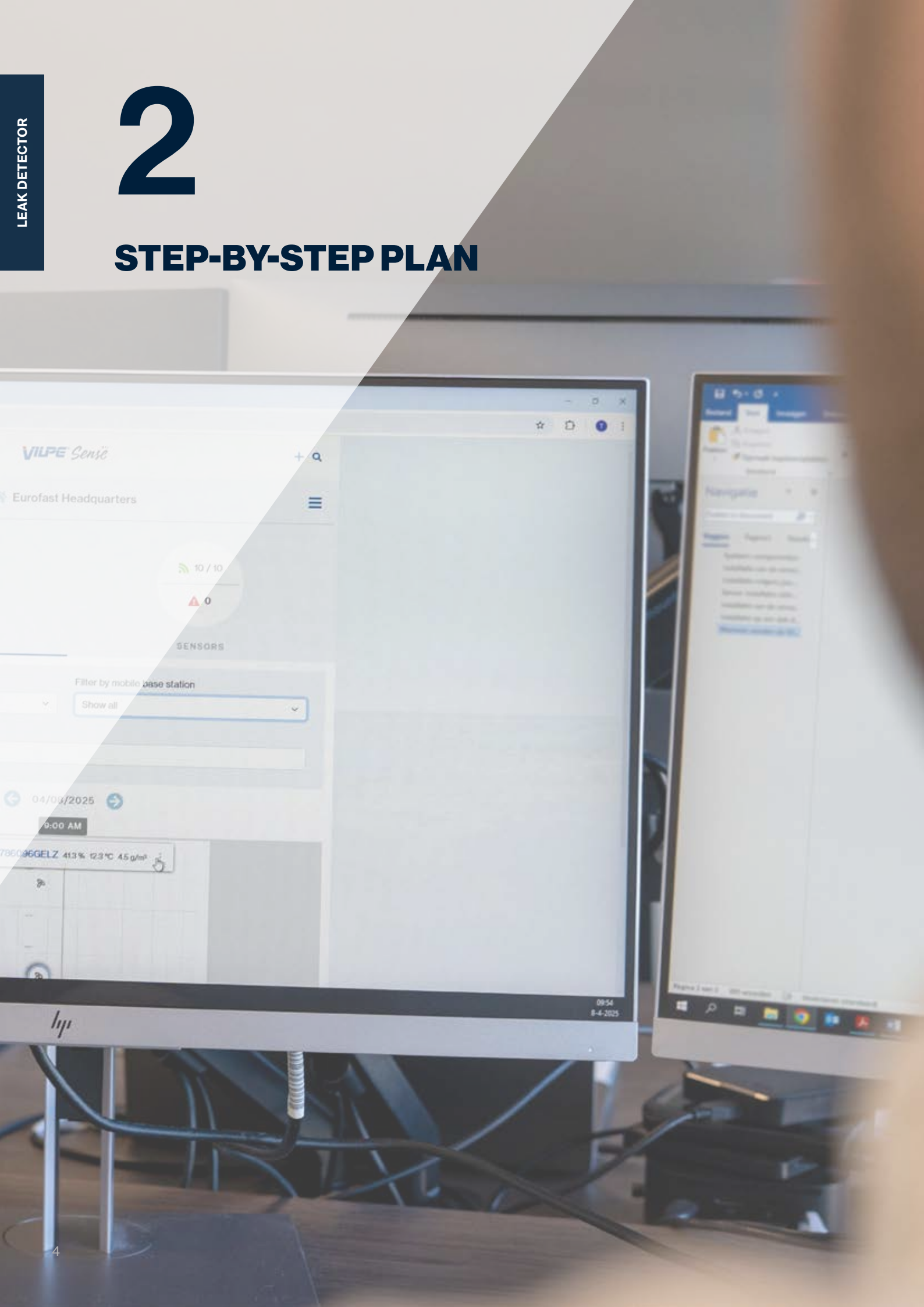
The digital map graphically displays the roof with the positions of the installed sensors, allowing the user to pinpoint the leak in the event of a leak.

The VILPE Sense project portal is accessible via a webpage at https://sense.vilpe.com/.



2

STEP-BY-STEP PLAN



STEP-BY-STEP PLAN

To ensure the smoothest possible installation of the sensors in the roof and the project portal, a step-by-step plan has been drawn up, with each step illustrated and explained.

Creating a project consists of three phases:

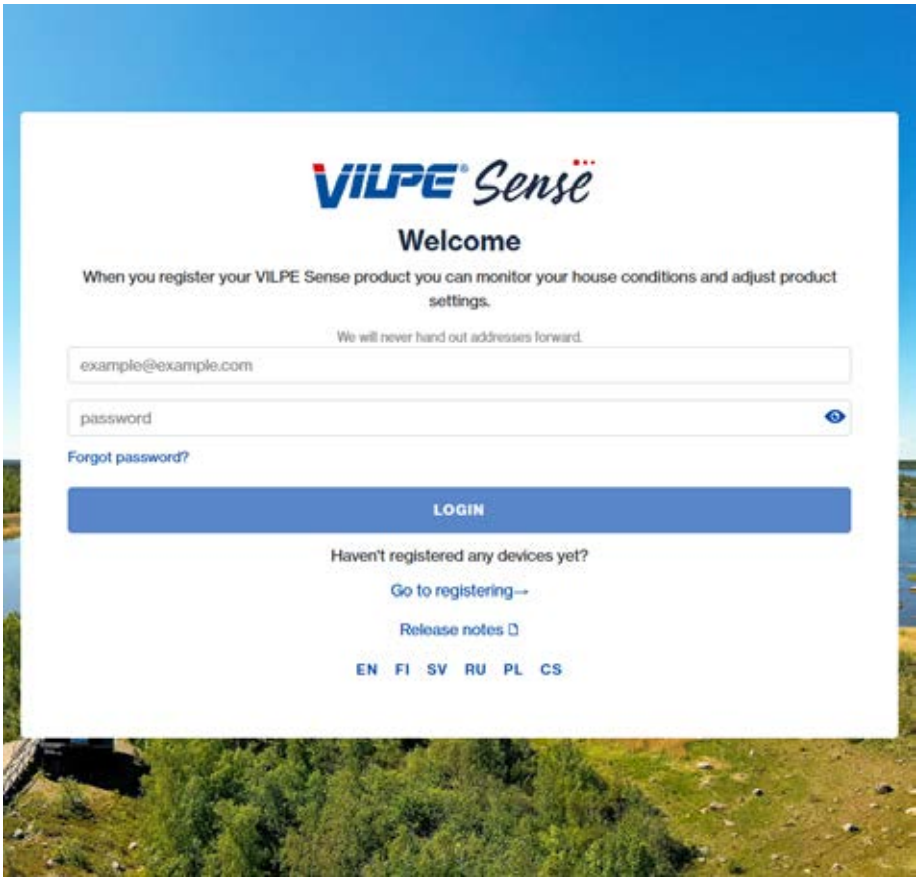
- Create a project
- Place products in the project
- Register products

Phase 1: Create project

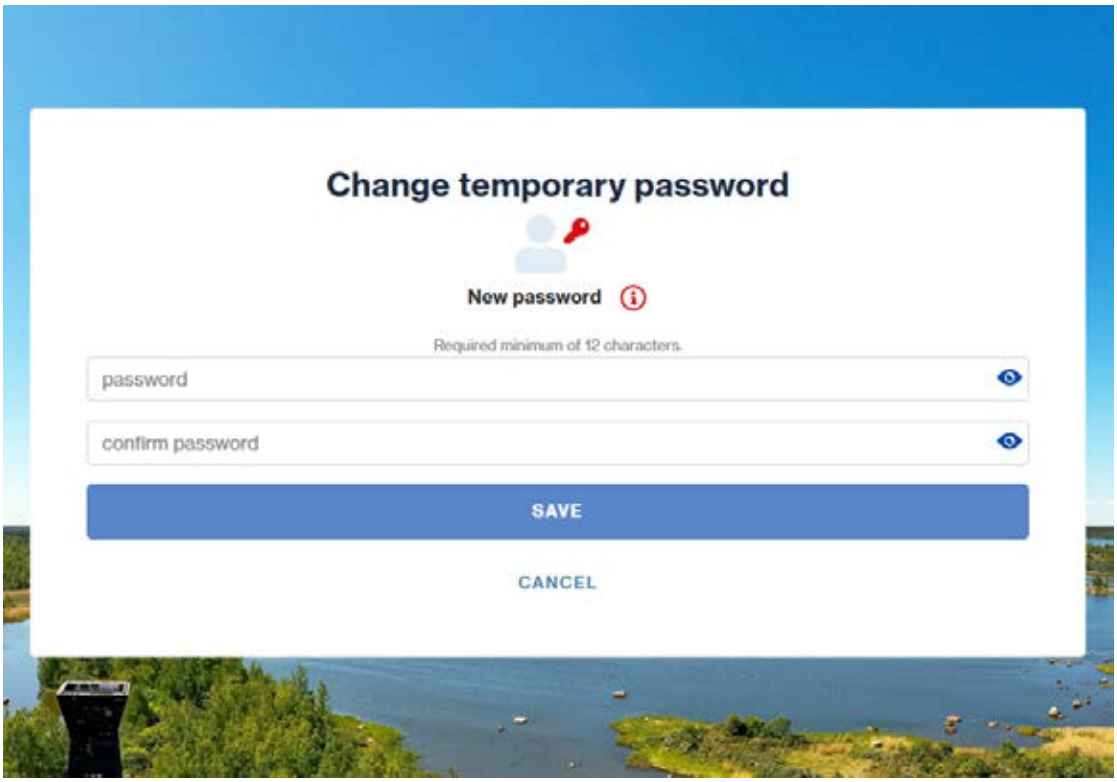
After receiving the products (base station and sensors), you can get started with the steps below.

1. Go to your email inbox. You'll see two emails from noreply@vilpe.com:

- An email contains a link to the https://sense.vilpe.com website.
- Once on the website, you'll arrive at the login screen, where you enter your email address. The password you enter is the temporary password you received in the second email from noreply@vilpe.com.



2. After entering your email address and temporary password, you can create a password of your choice. Please note that this password must be at least 12 characters long – preferably with an uppercase and lowercase letter, a number, and a special character.

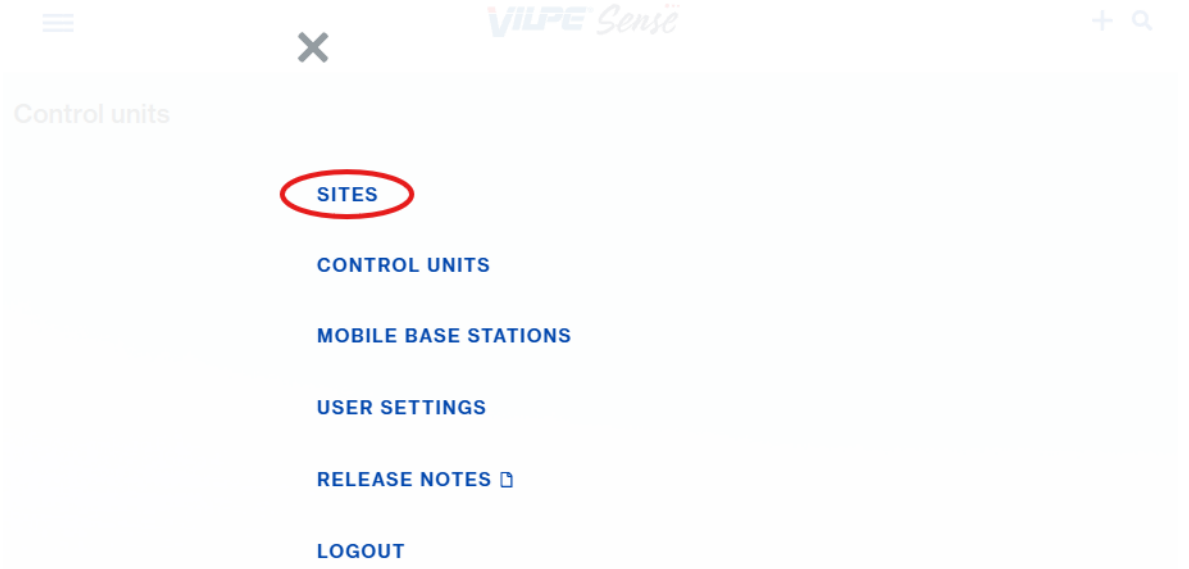


3. Once logged in, you'll arrive at the first screen, Control Units.

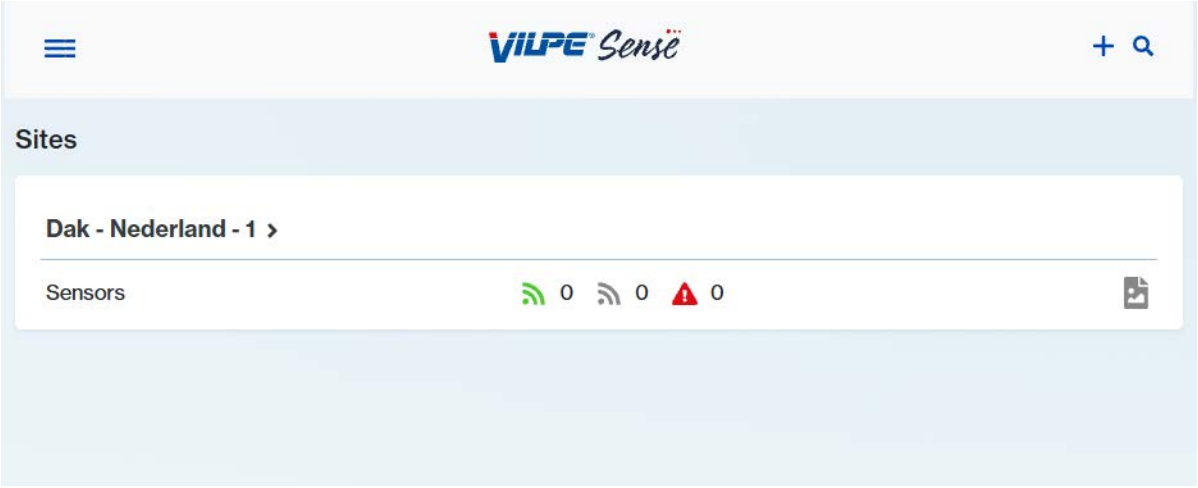
- First step: Click on the three horizontal lines in the top left corner. See the red circle in the image below.



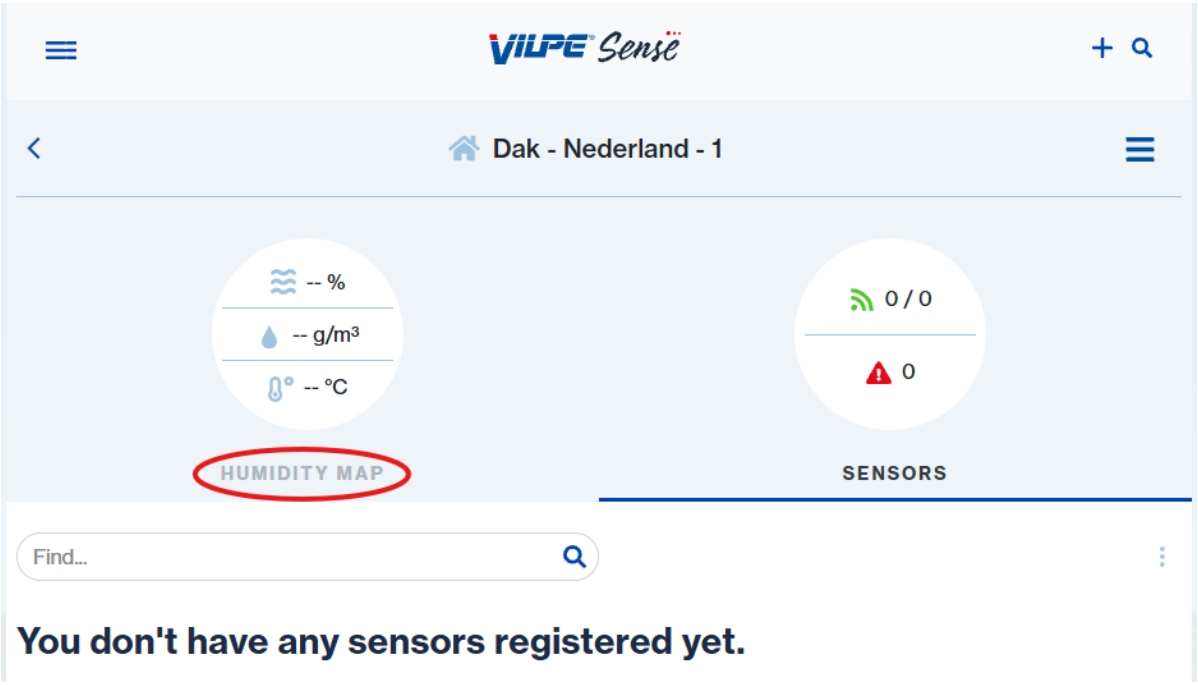
4. Then click on SITES



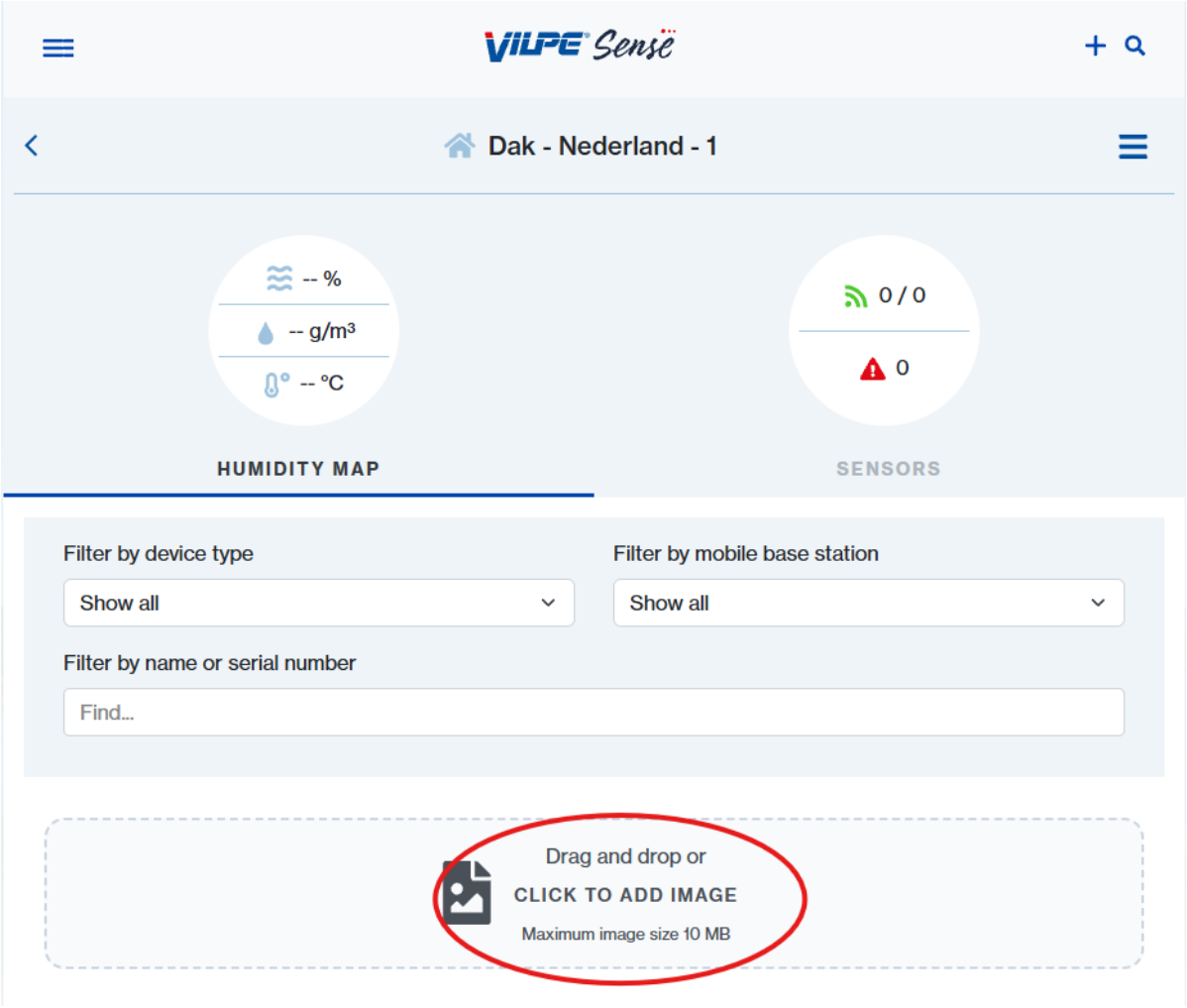
5. Click on the project/building name. Your project dashboard will now open.



6. The dashboard is now open. Click on HUMIDITY MAP

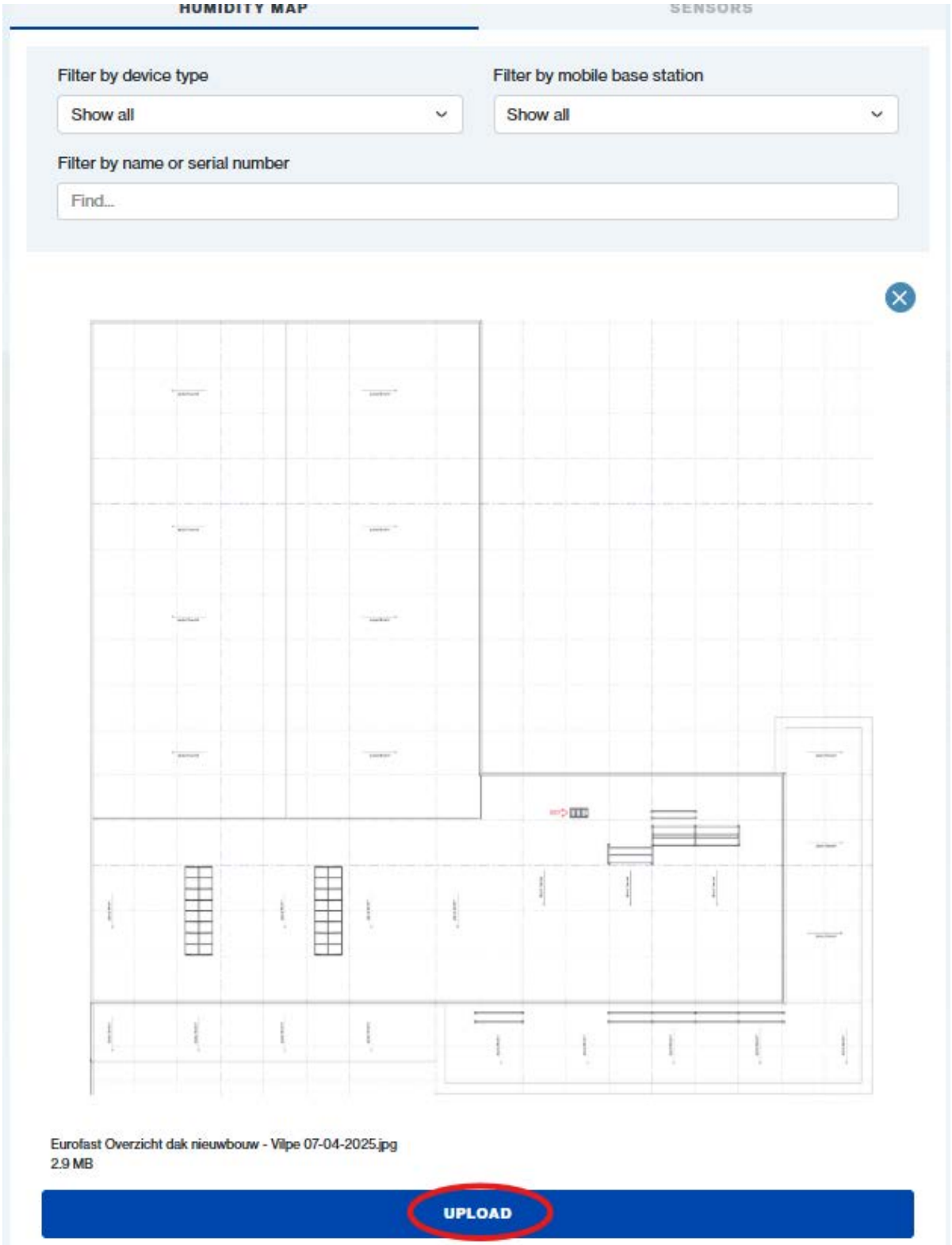


7. The next step is to add a photo of the roof from above where the sensors will be placed. This can be an aerial photo, a screenshot from Google Earth, or a drawing, for example. Make sure the file type is png, jpg, jpeg, or gif.



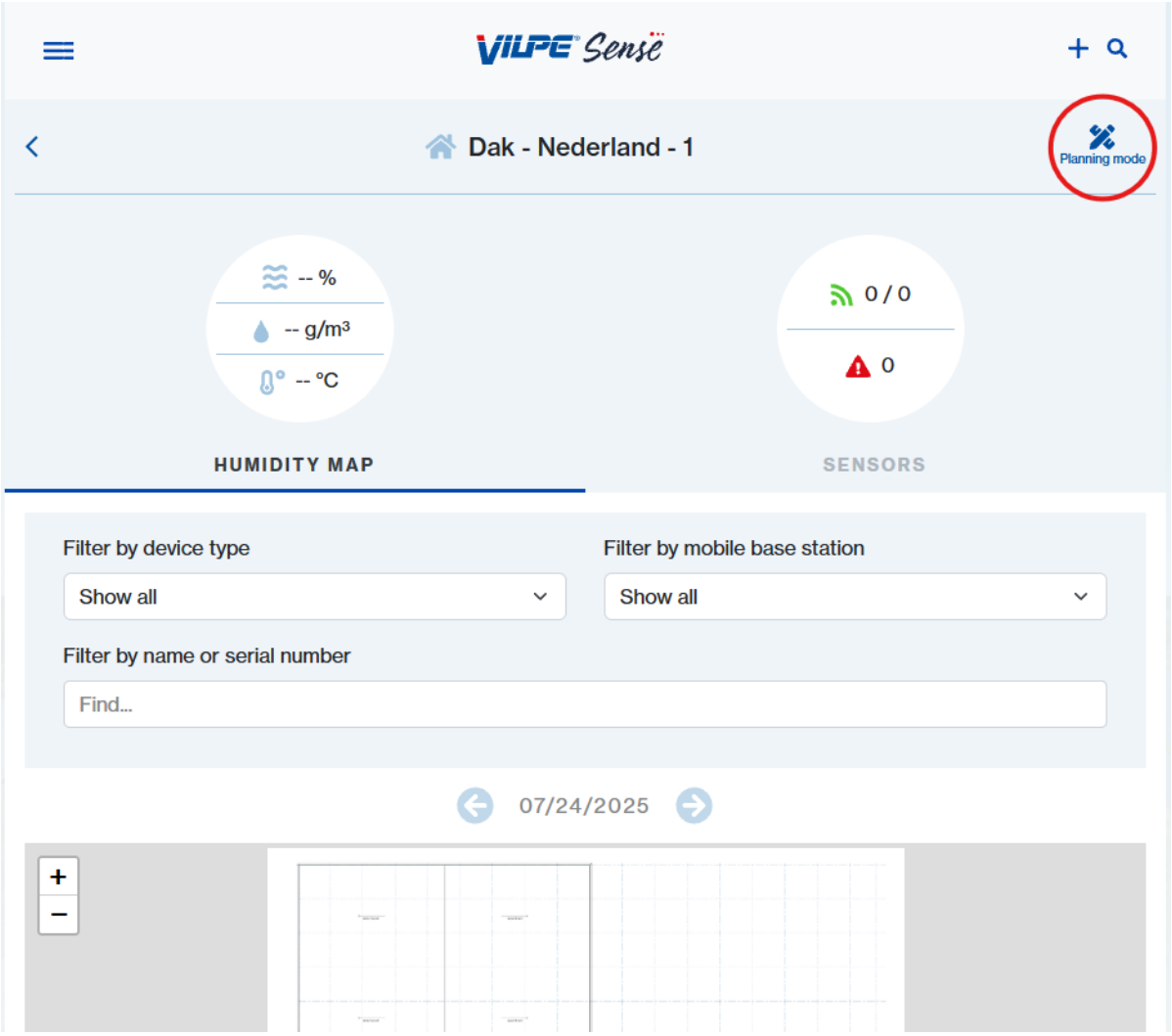
8. Once the photo of the roof's top view is selected, it will automatically be displayed as a preview. This image will later serve as the basis for the digital floor plan, which will show you where all the sensors are located. When you're satisfied with the photo,

click 'UPLOAD'.



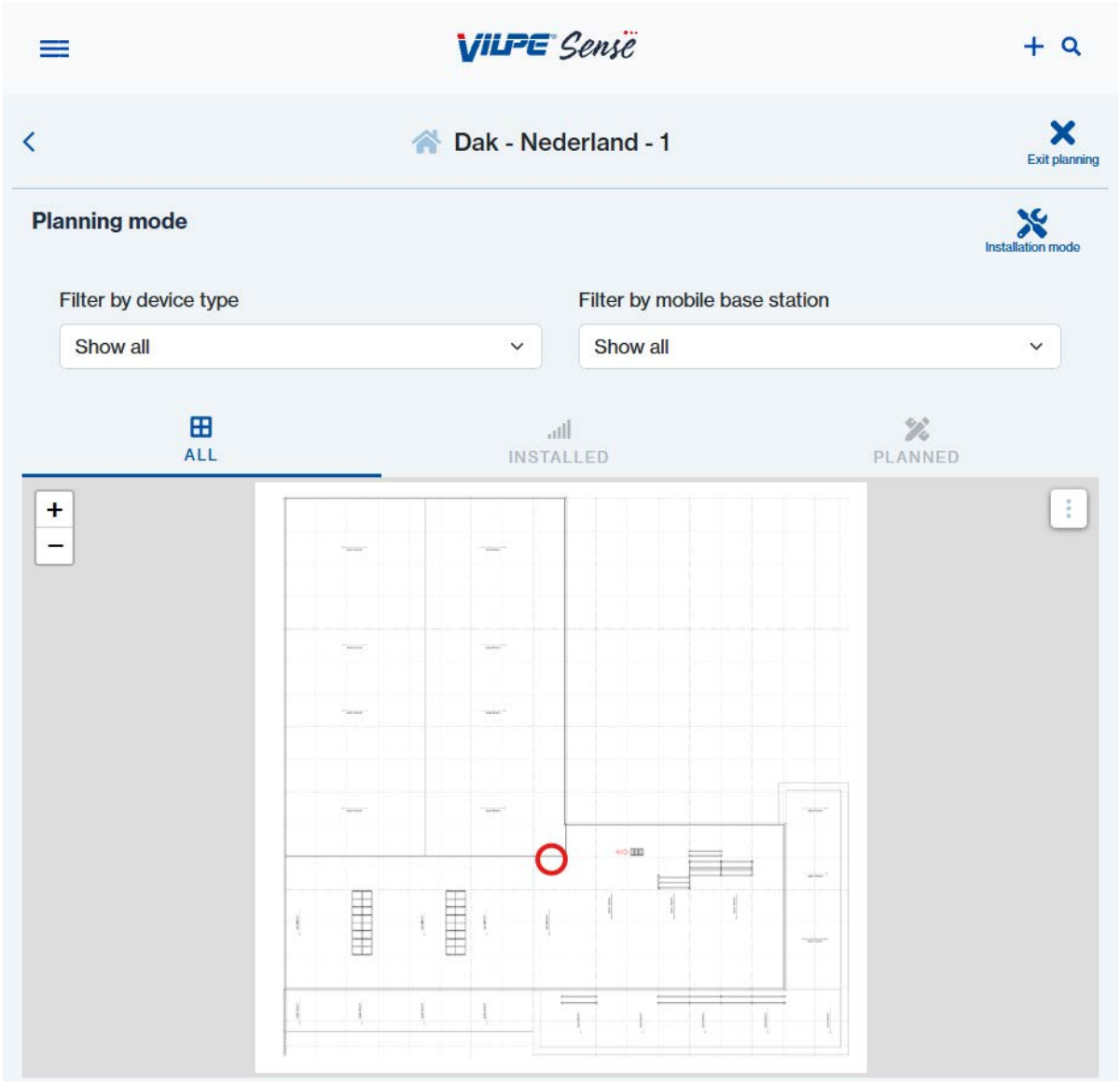
Phase 2: Digitally deploying base stations and sensors in the project

9. Go to ‘Planning mode’.



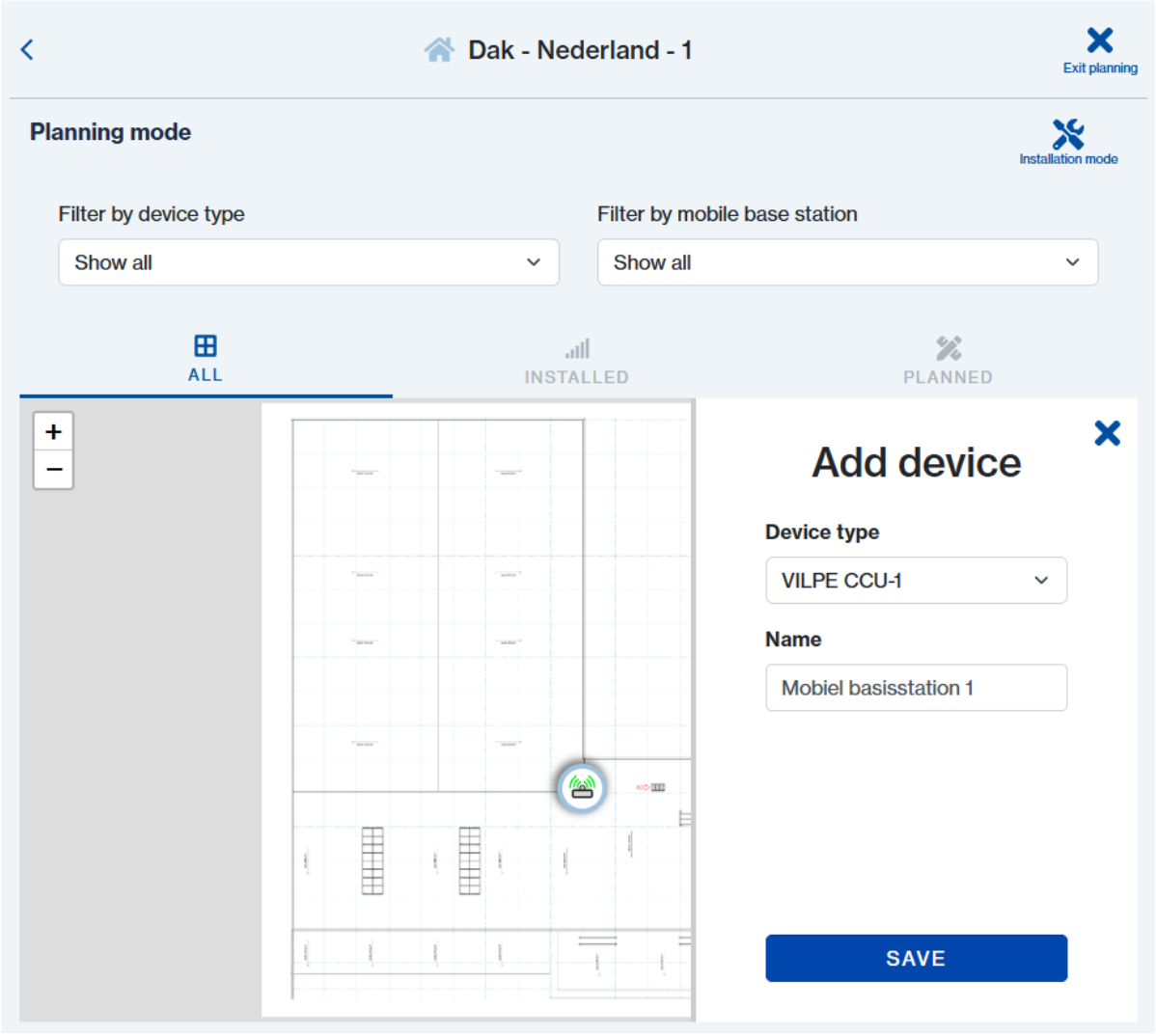
10. Once in planning mode, we can start planning where to place the mobile base station and sensors.

- Click on the location where the mobile base station will be placed; don't worry, you can adjust the locations later if needed.



11. A menu will open. In the top column, indicate the Device Type. "VILPE RHT-2" will automatically be selected. Click this to change the device type. Change it to "VILPE CCU-1": this is the model number of the mobile base station.

- In the second column (Name), assign a name, for example, "Mobile Base Station 1" or another name of your choice.
- Once you've followed the steps above, click "SAVE." The Mobile Base Station is now added to your schedule.

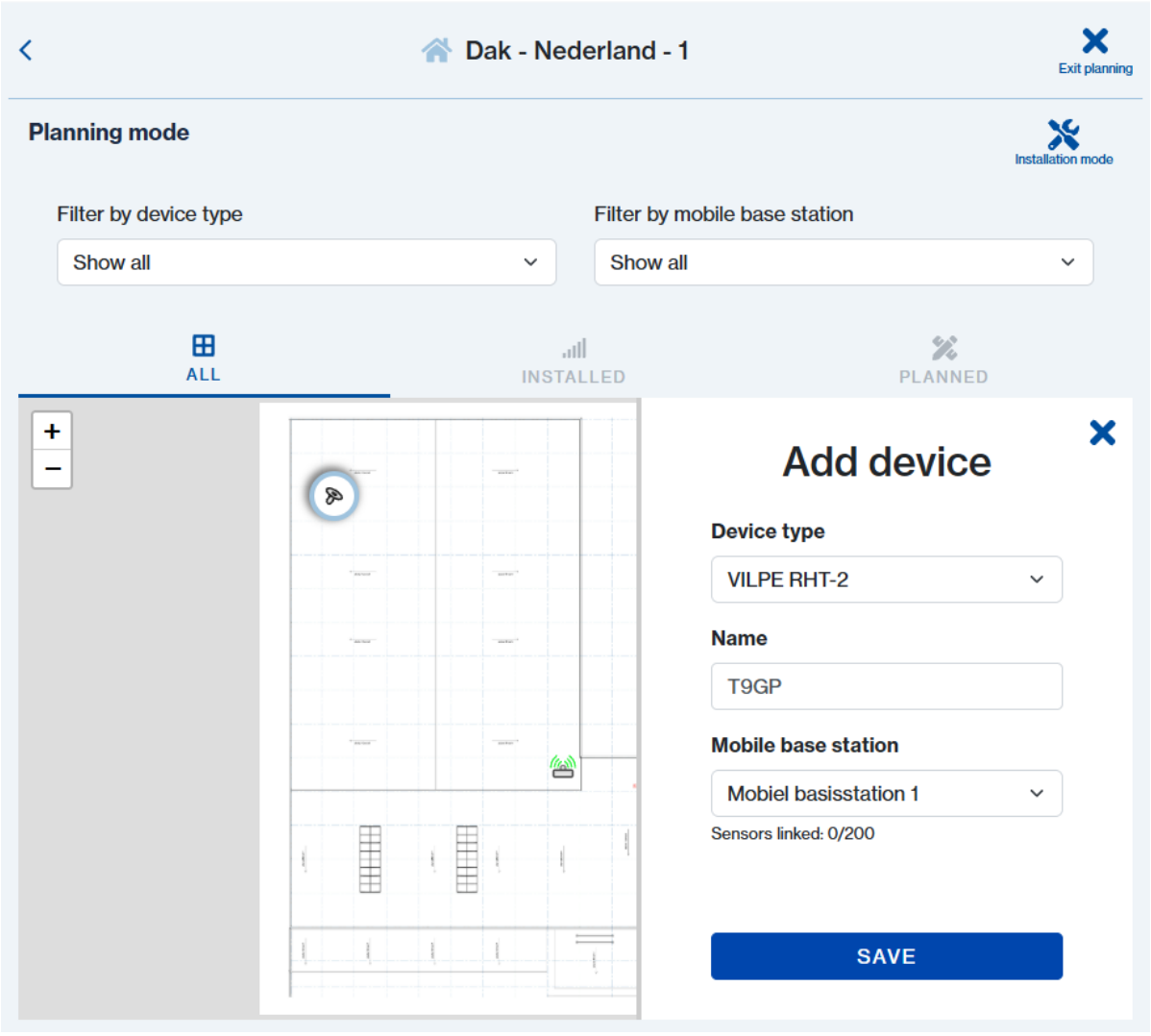


12. Click again on a location in the digital map. A menu will open. In this menu, indicate the device type in the top column. "VILPE RHT-2" will automatically be selected. If a different device type is displayed, make sure to change it to "VILPE RHT-2."

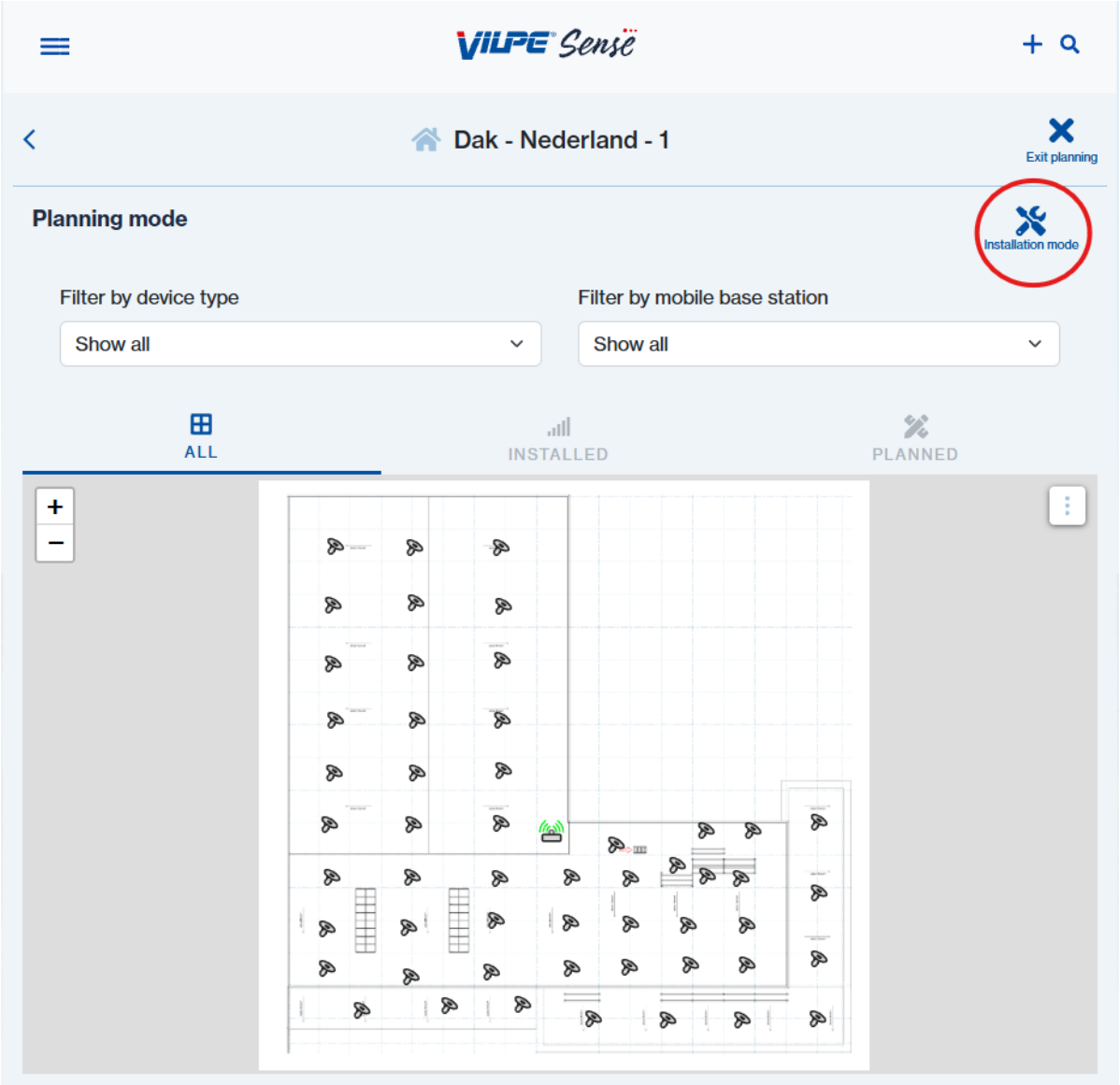
- In the second column (Name), you need to assign a name. To identify the sensors later, enter the last four characters of the serial number here. These can be found on the sticker attached to the sensor, at the very top. In the example image, this is 6AEP.



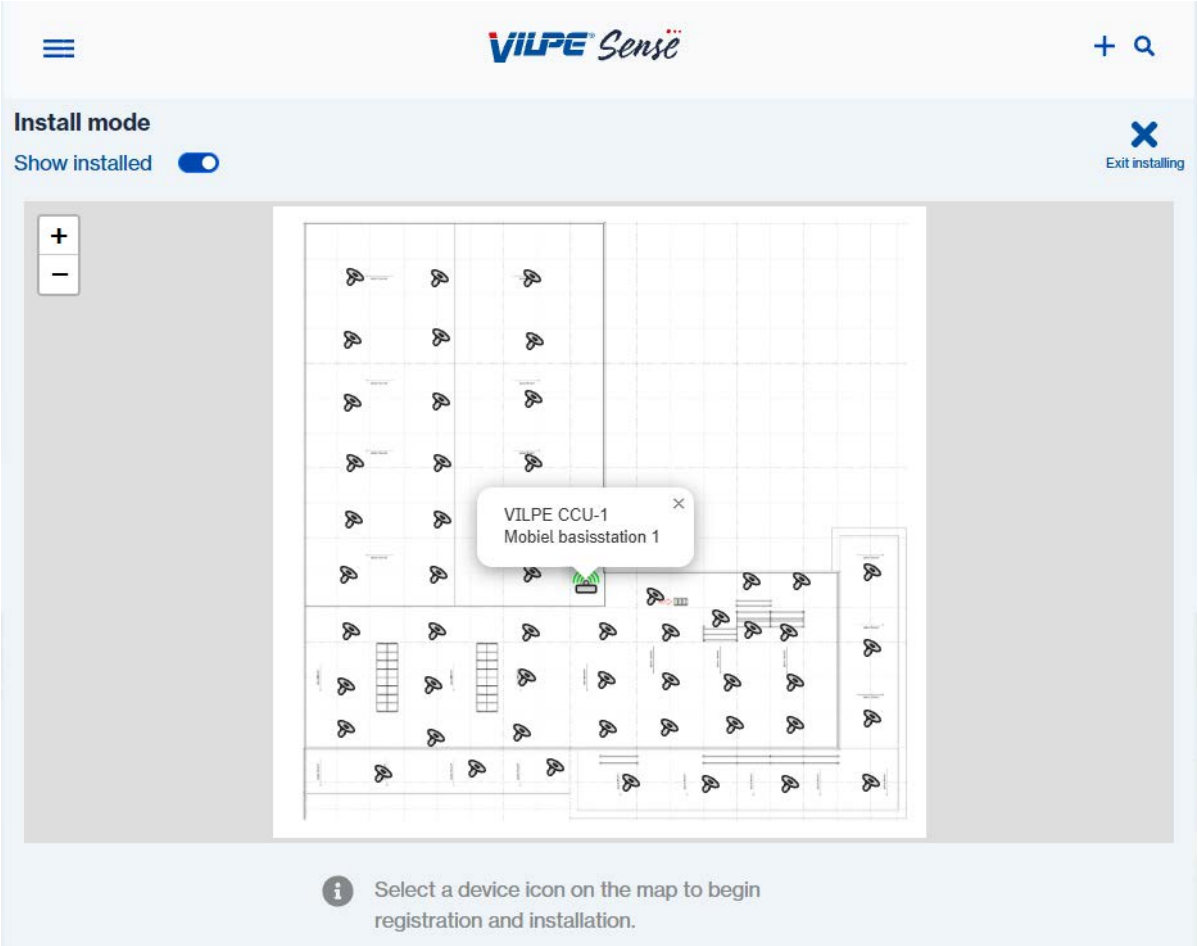
- The third column (Mobile base station) displays the name of the previously scheduled mobile base station. This indicates that you want to connect the sensor to the selected mobile base station. If you are using multiple mobile base stations, make sure the correct one is selected.
- Once you have followed the steps above, click "SAVE." The sensor is now added to your plan and paired with the mobile base station. Repeat this step until all sensors are planned.



Phase 3: Register base stations and sensors

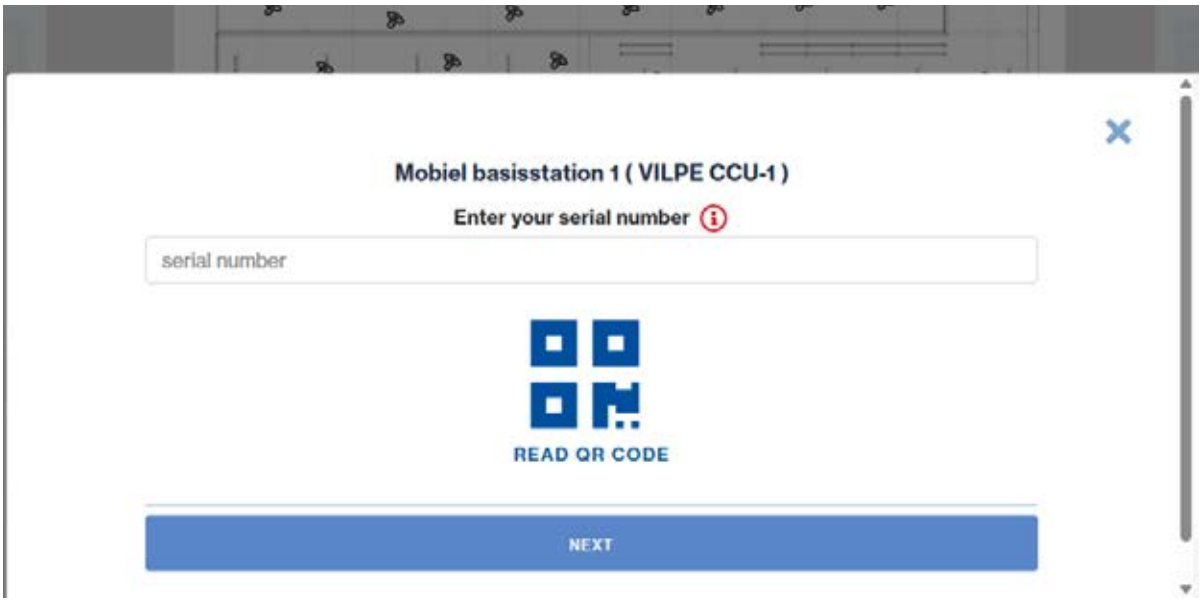


14. Once all sensors are planned, you can proceed to "Installation mode." You'll then see the following screen:



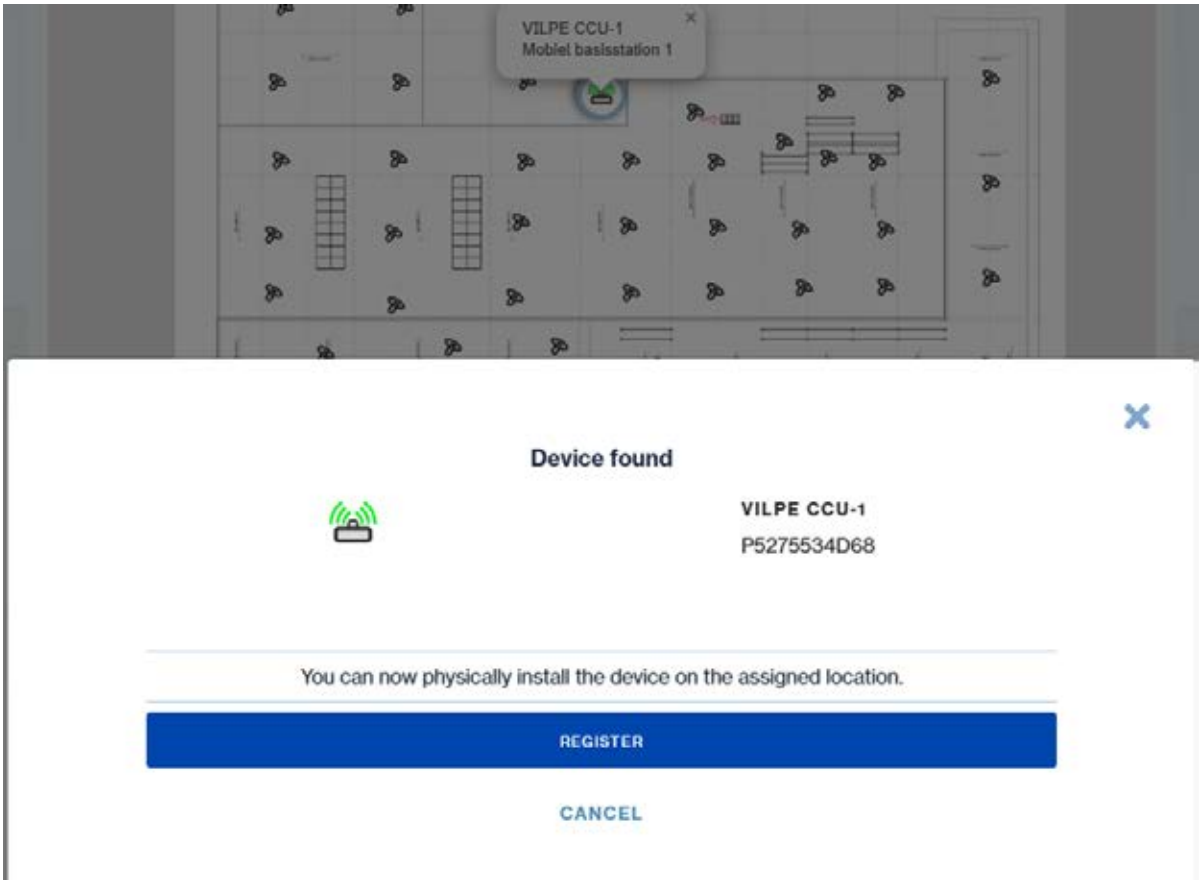
15. In "Installation mode," the previously scheduled mobile base station and sensors can be registered.

- Start with the mobile base station by clicking the icon.
- A menu will open where you must enter the mobile base station's serial number. You can find the mobile base station's serial number on the white sticker attached to the mobile base station, behind the letters SN:.
- Enter the serial number and click NEXT.



16. Then click REGISTER.

- The mobile base station is now registered and ready to be connected to a power outlet. When physically positioning the mobile base station, keep the following points in mind:
- Do not place the mobile base station directly against a metal structure; try to maintain a distance of at least 50 cm to prevent signal interference. If possible, choose a location with as much free space as possible around the mobile base station.
- Place the mobile base station at least one meter off the floor.
- Avoid installation in locations with a large, direct metal obstacle, thick or multiple layers of heavy structures between the mobile base station and the sensors. However, metal roofing or reinforced concrete slabs usually do not cause significant signal interference.

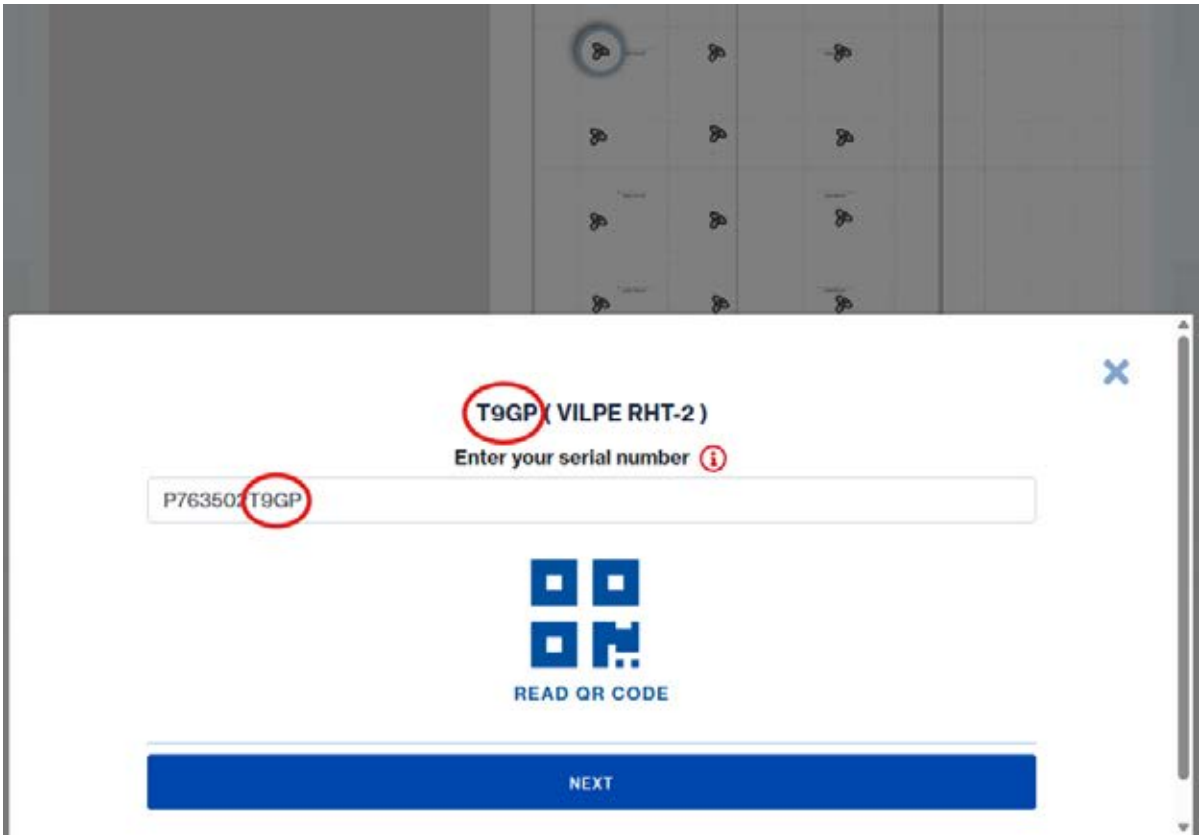


17. Then click on one of the sensors. Use an order that ensures you register all the sensors.



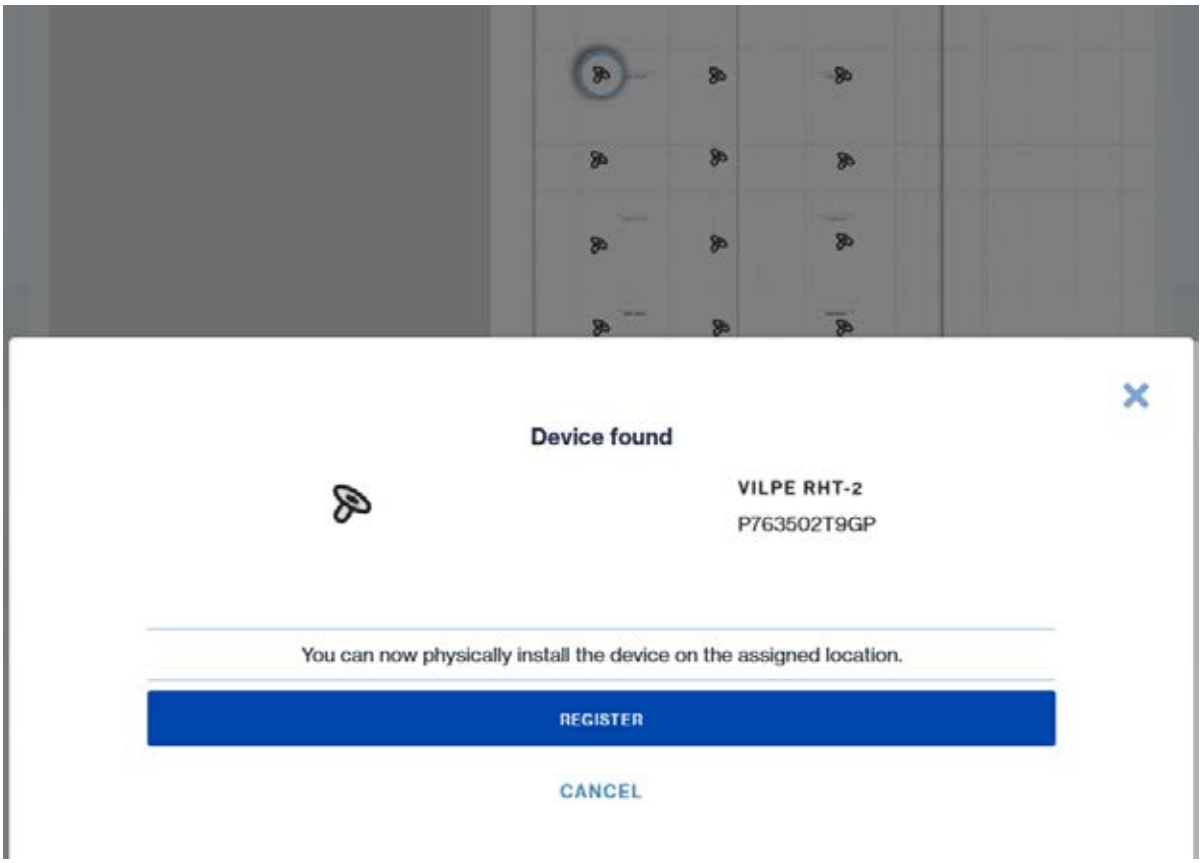
18. After clicking on one of the sensors, the following menu opens:

- Select the sensor whose serial number ends with the four characters previously used as the name – in this example, 6AEP.



19. Click REGISTER to register the sensor.

- The sensor is now registered and will be automatically activated within 36 hours.
- Repeat steps **17** through **19** to register all sensors.





VILPE® Sense

Sales and Technical Support
Tel. +31 6 44 12 66 82
tijn.smits@eurofastgroup.com