Connect GOLD to Swegon INSIDE Cloud

Which units are INSIDE Ready?

GOLD units produced week 22, 2023 or later

- Software version 2.41 or later
- Certificate installed in production on units produced from week 22, 2023

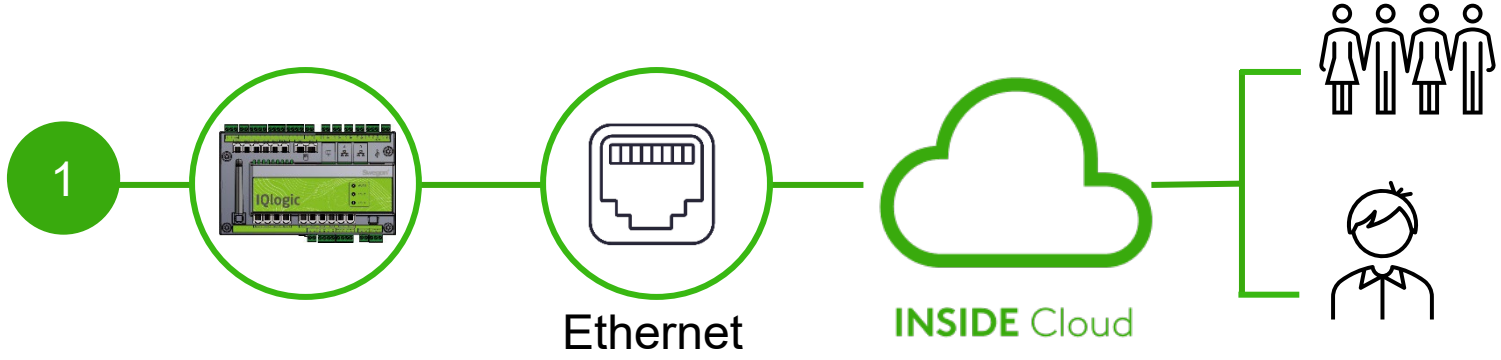
Retrofit functionality

- Software version 2.42 or later
- GOLD version E / F

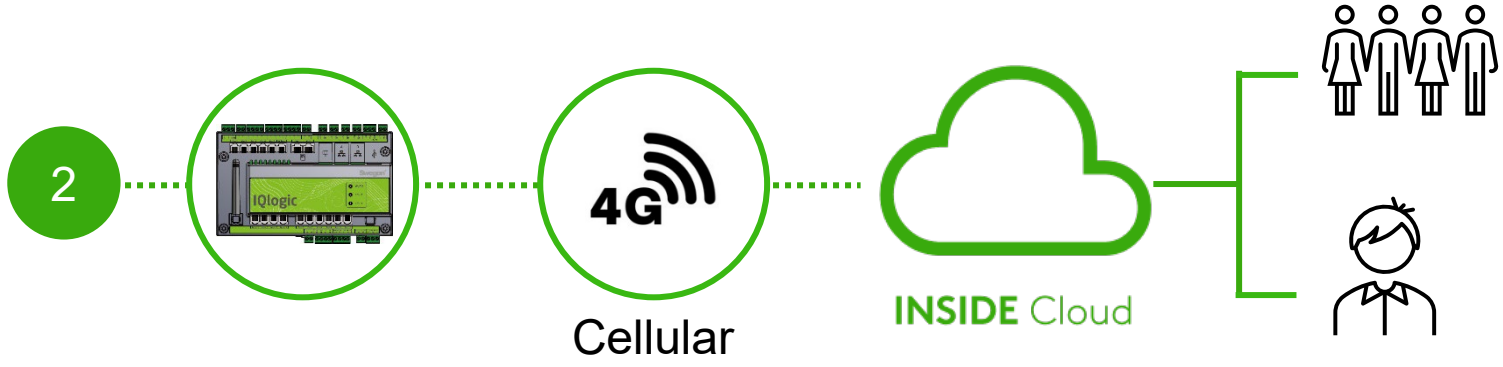
How to connect GOLD units

Going online with GOLD

1. **Ethernet Connection**
   Connect one end of the network cable to the facility's existing network and the other end of the cable to the AHU (IQLogic).



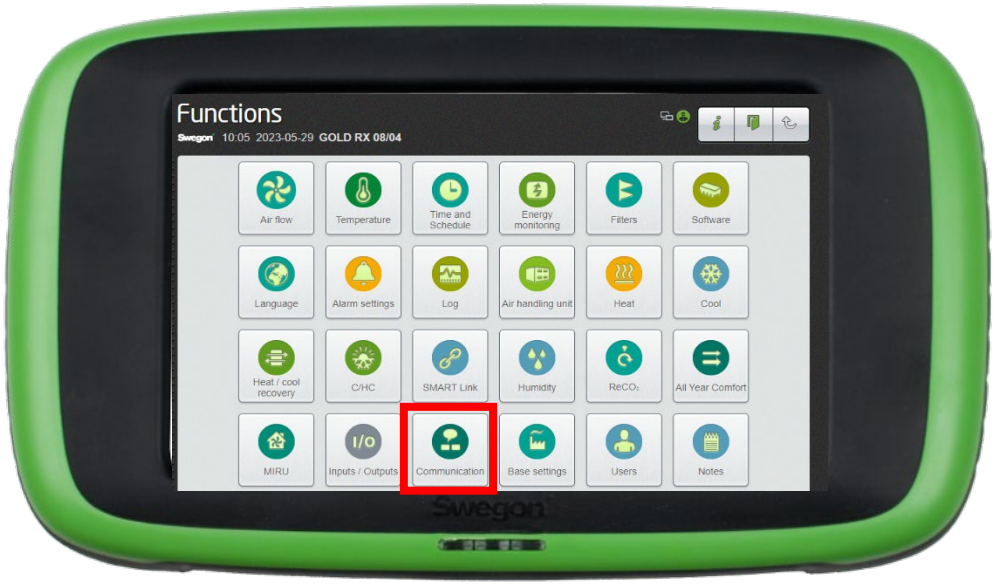
2. **Cellular Connection**
   Use a 4G router with SIM-card, specially developed for this purpose.

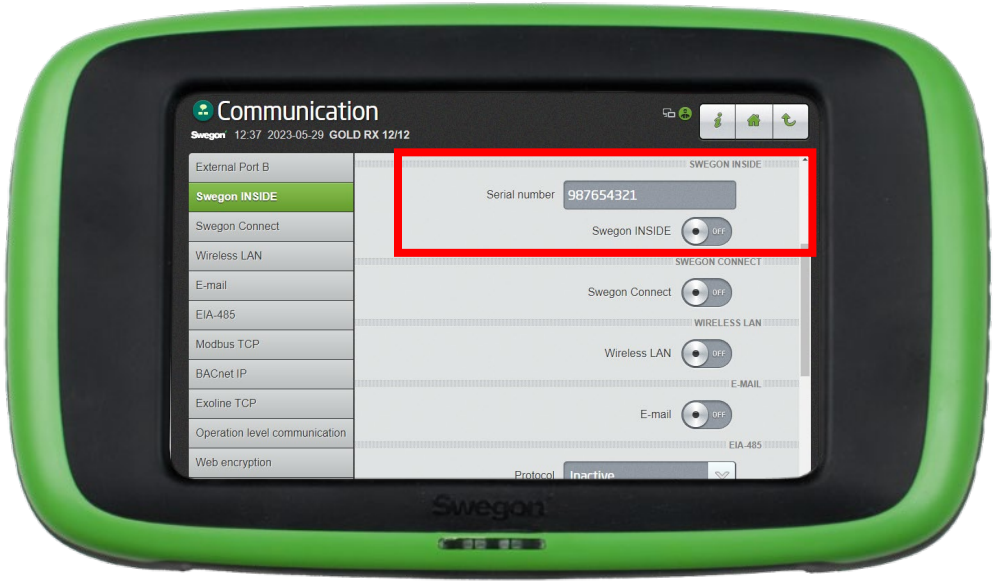


Activate Swegon INSIDE in HMI/Web

Go to “Communication”
Make sure that the following fields are filled in correctly:

- IP address, Net mask, Default gateway, Primary DNS
- The product’s Serial number

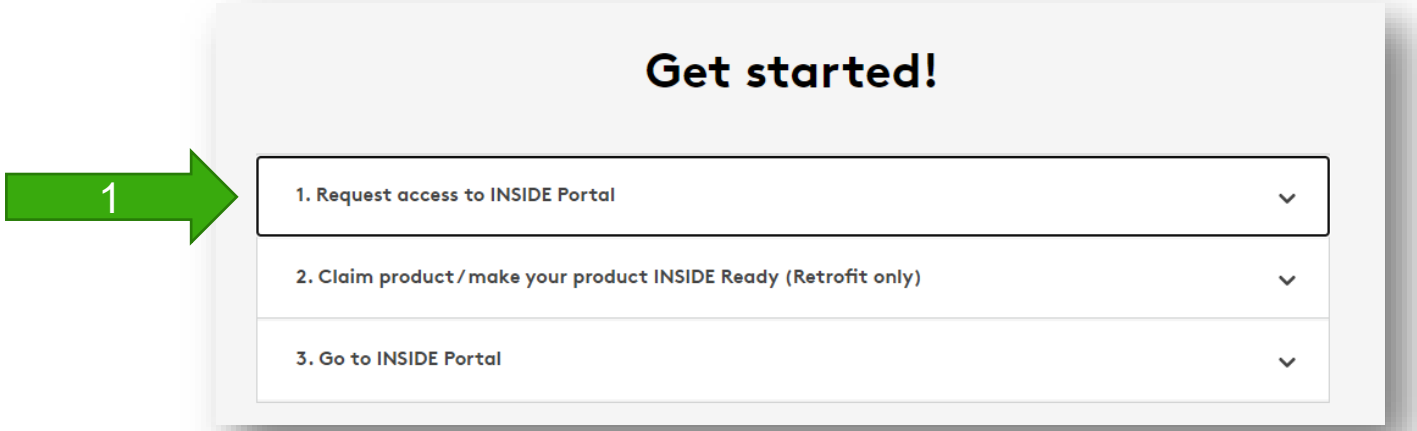


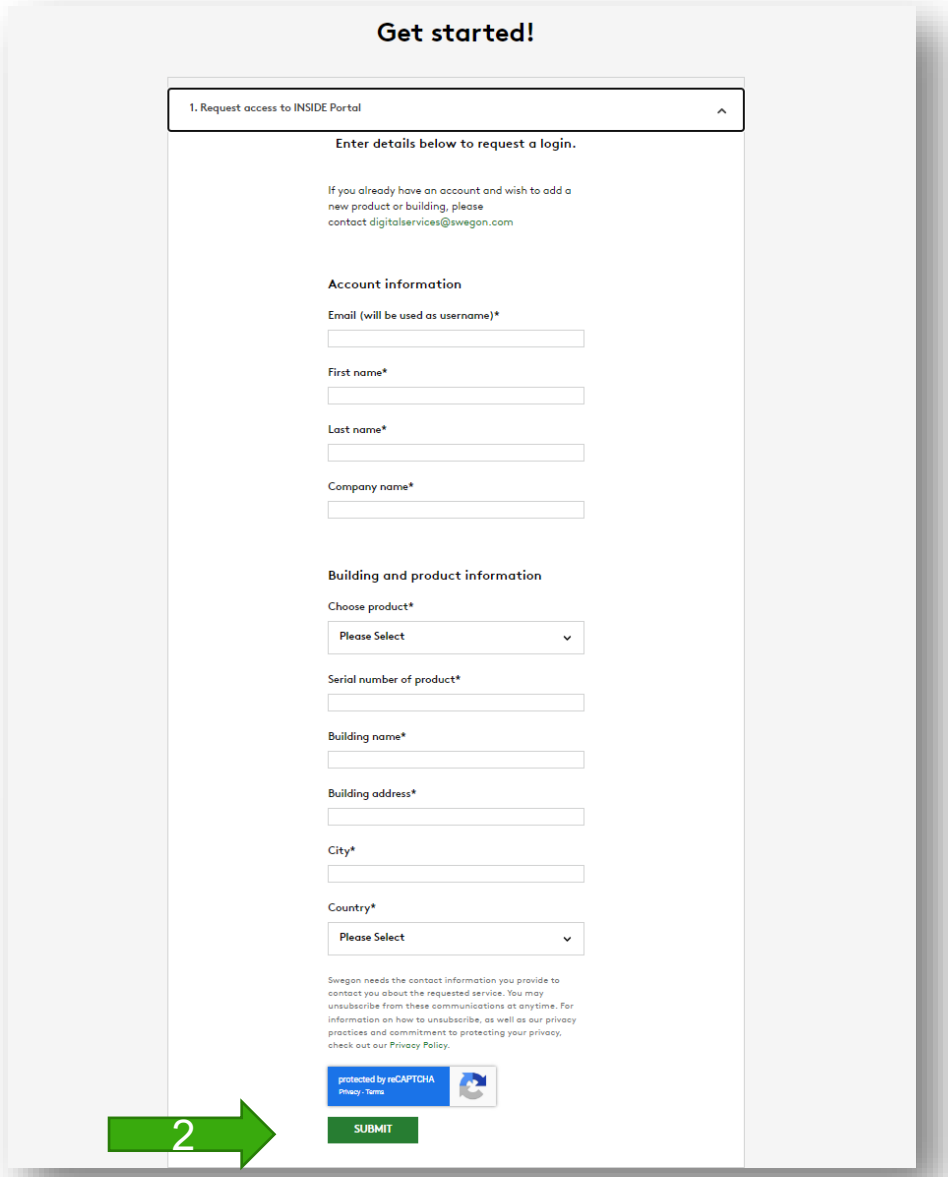


Create an account

- Go to Swegon's webpage
  - Software → Connected products

1. Request access to the INSIDE Portal
2. Fill in the form and click Submit
   - Wait for the invitation email to the INSIDE Portal.

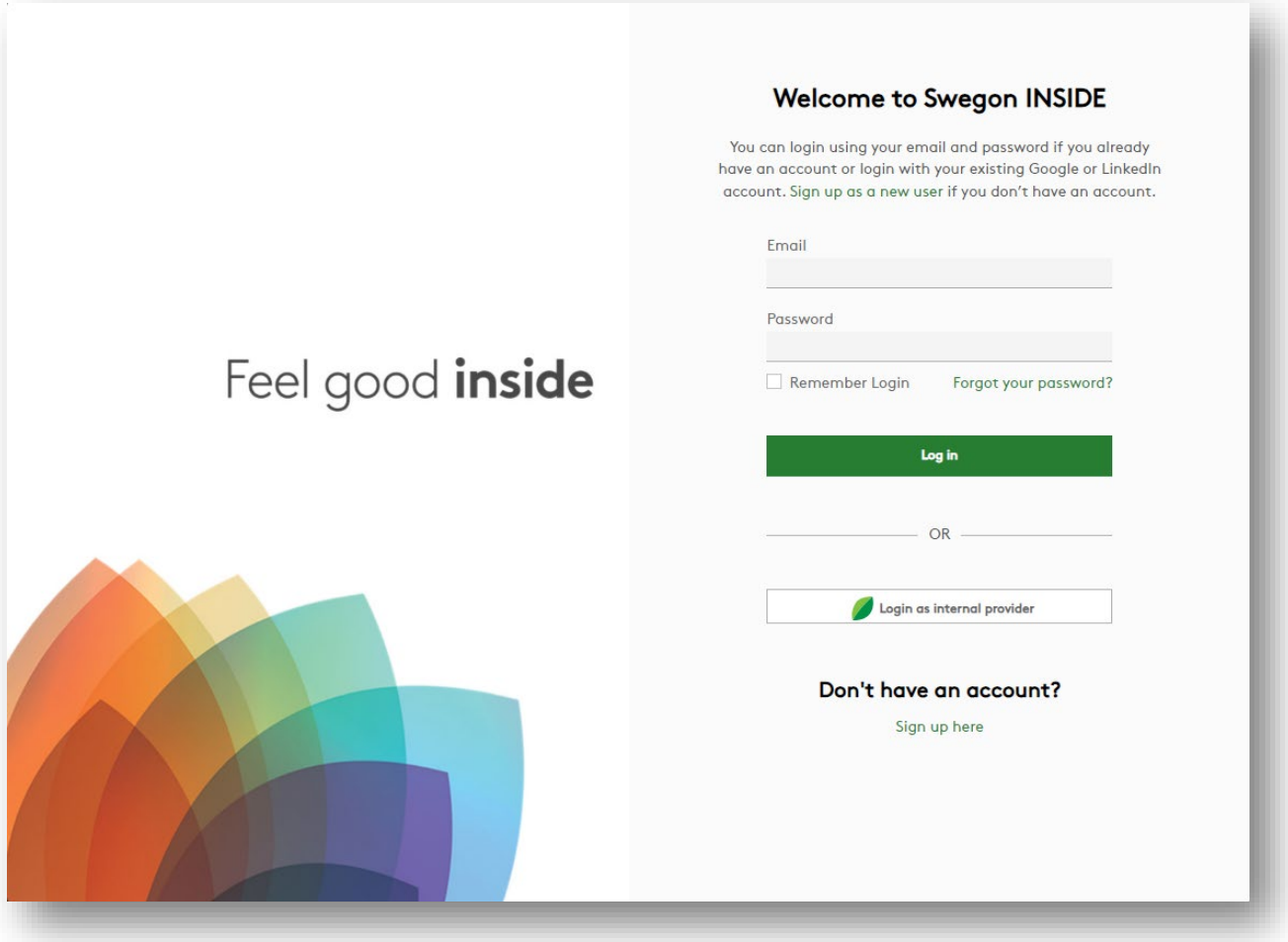




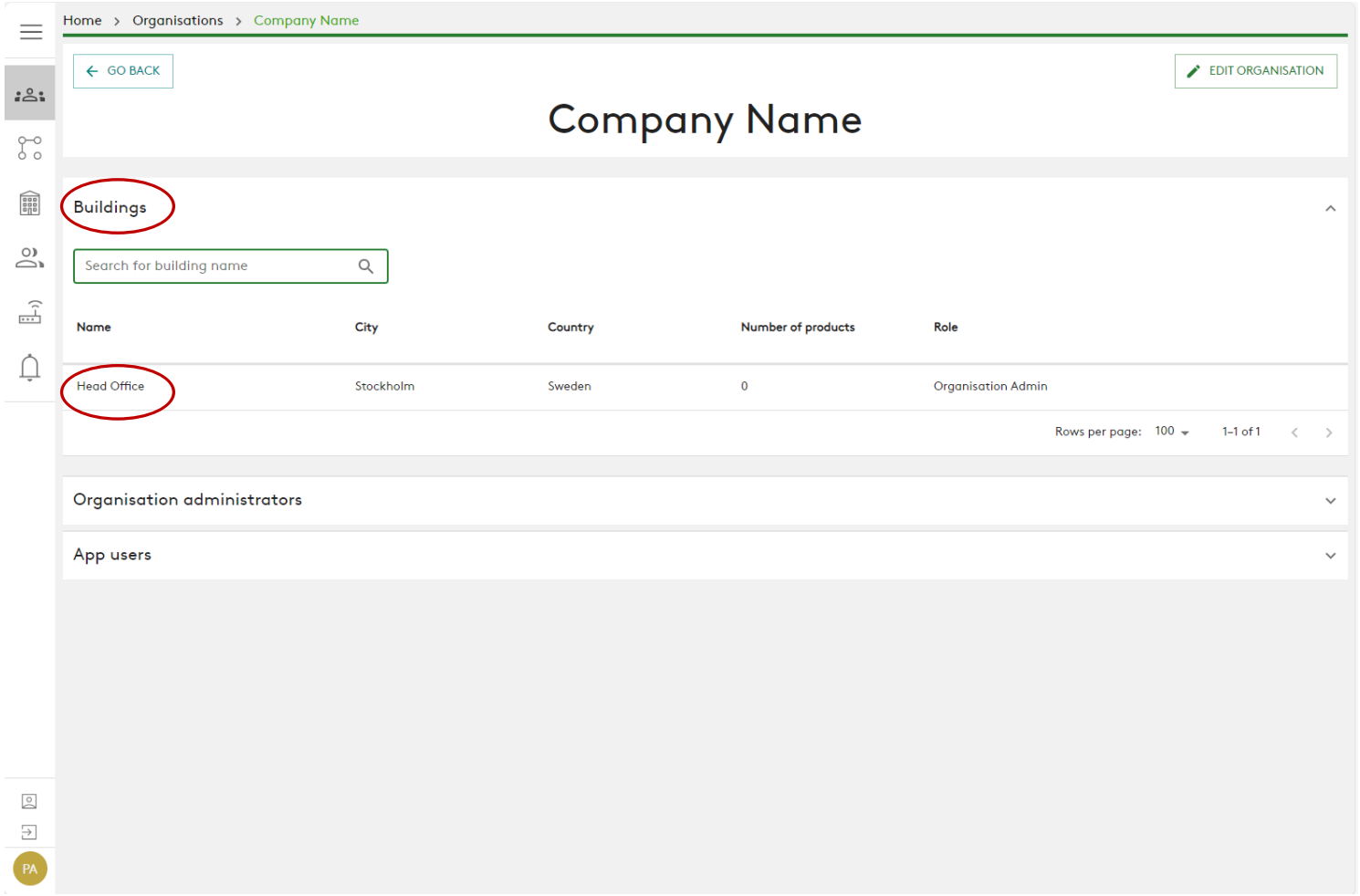
1. Log in to INSIDE Portal

Swegon INSIDE Portal

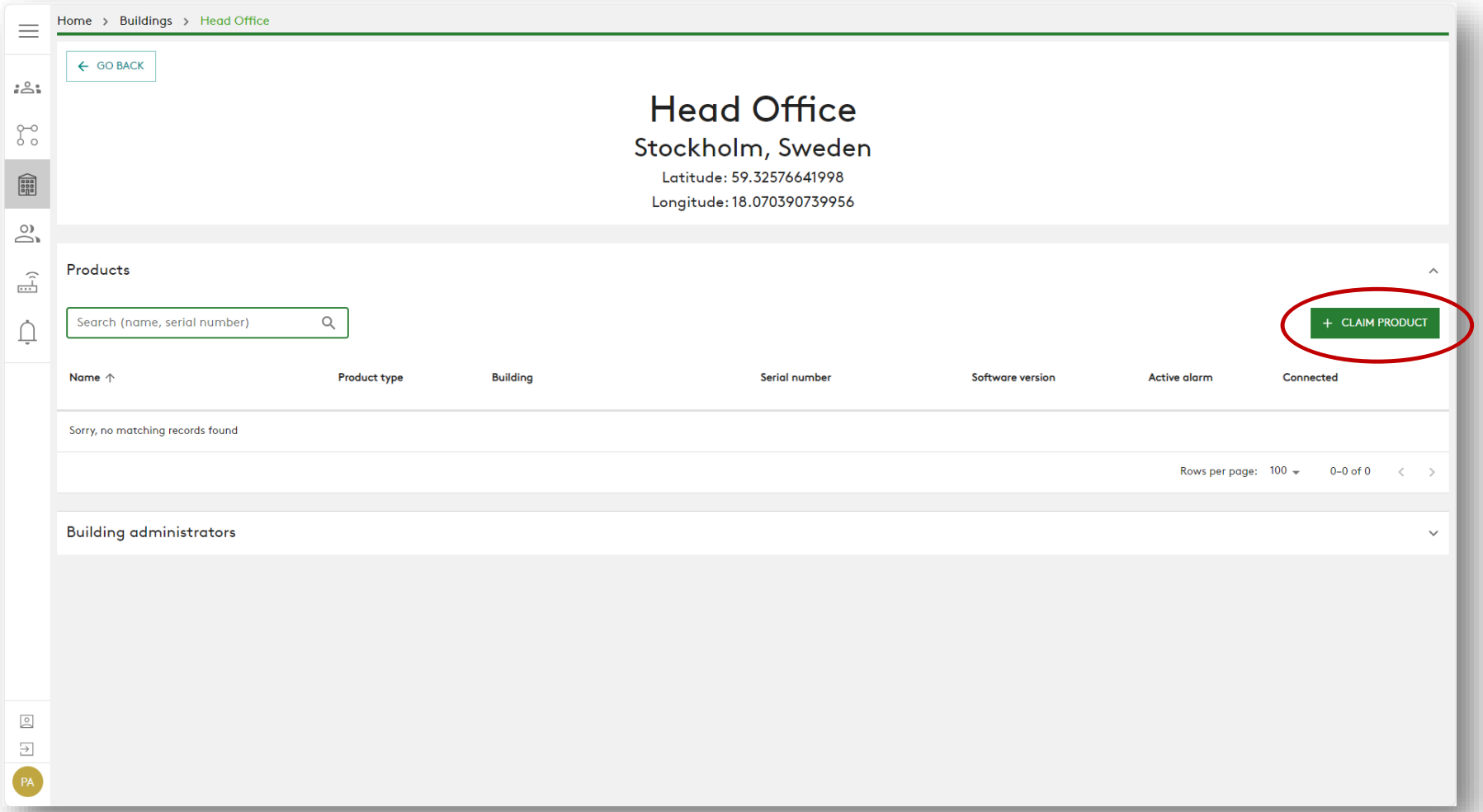
- https://inside.swegon.com



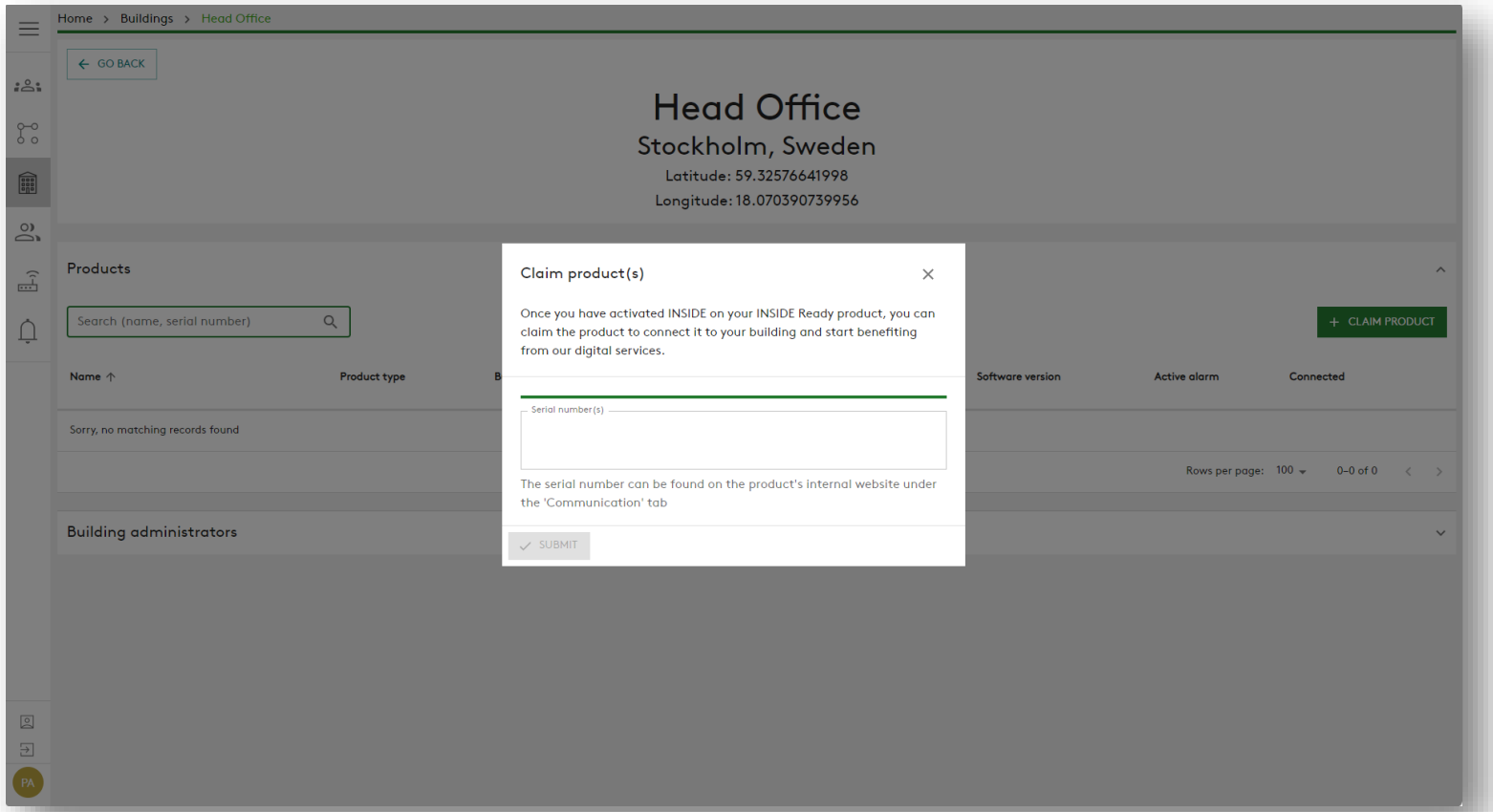
2. Go to building page



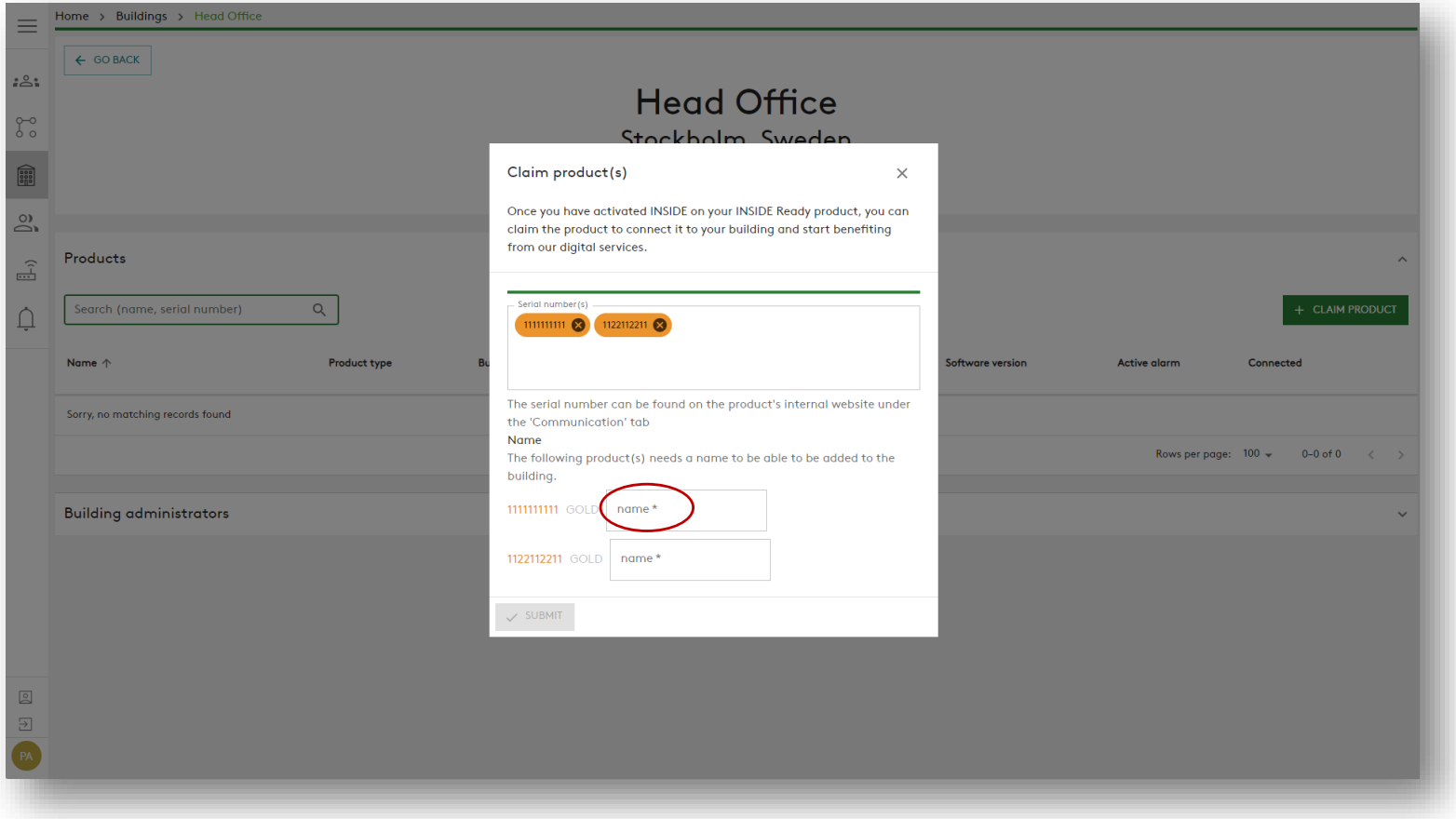
3. Press “Claim product”



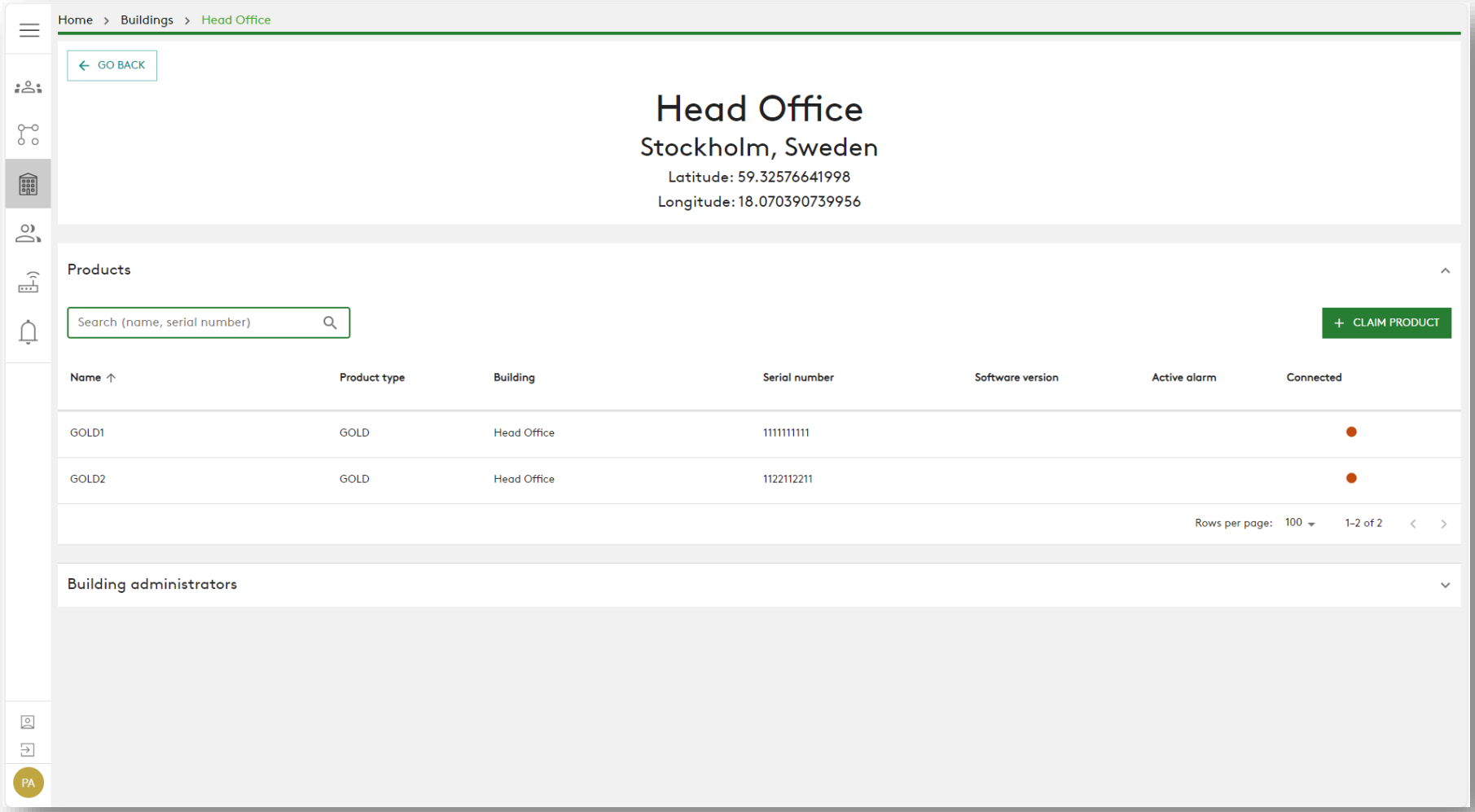
4. Type in the product's serial number and press right outside the text box to confirm. After clicking outside the text box, there is the possibility to add additional serial numbers the same way.



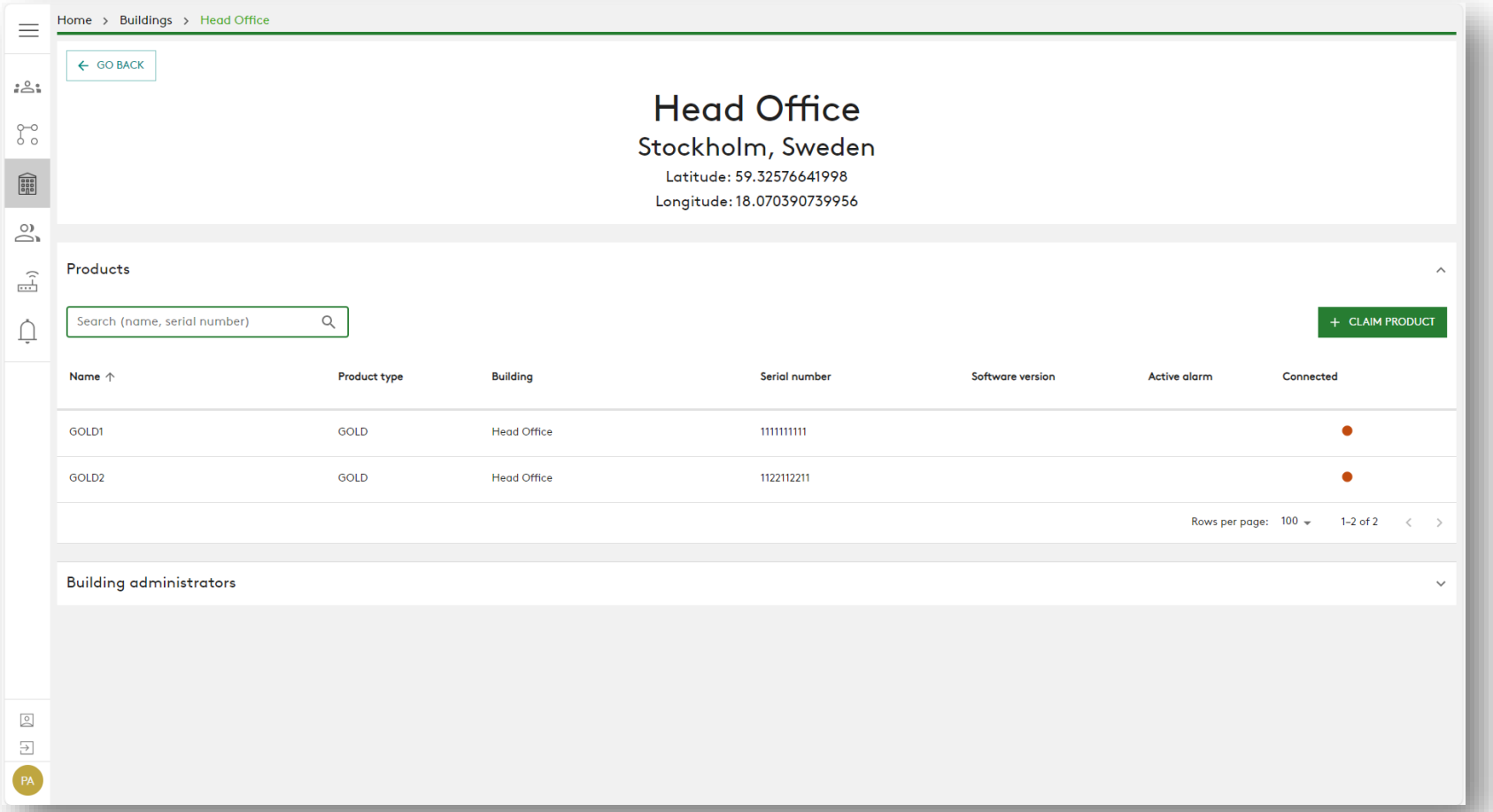
5. Before submitting you need to name your units. Then press submit.
If the product is already connected to INSIDE Cloud, you need to enter the MAC-address of the product to claim it.



6. Now you have successfully claimed your products.



7. If your products are disconnected (as shown below), you need to check that Swegon INSIDE is activated on the product and that it has a valid certificate (INSIDE Ready).

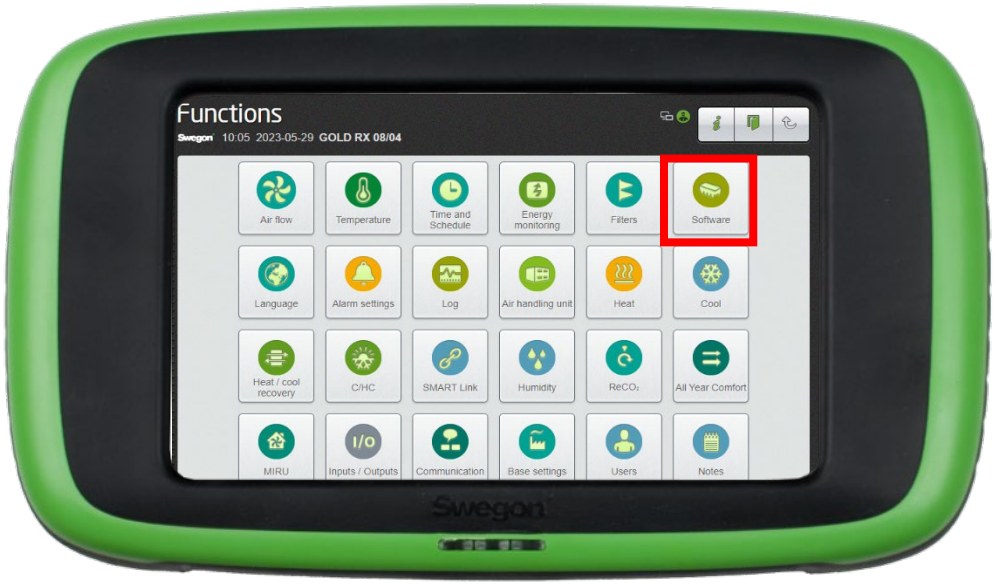


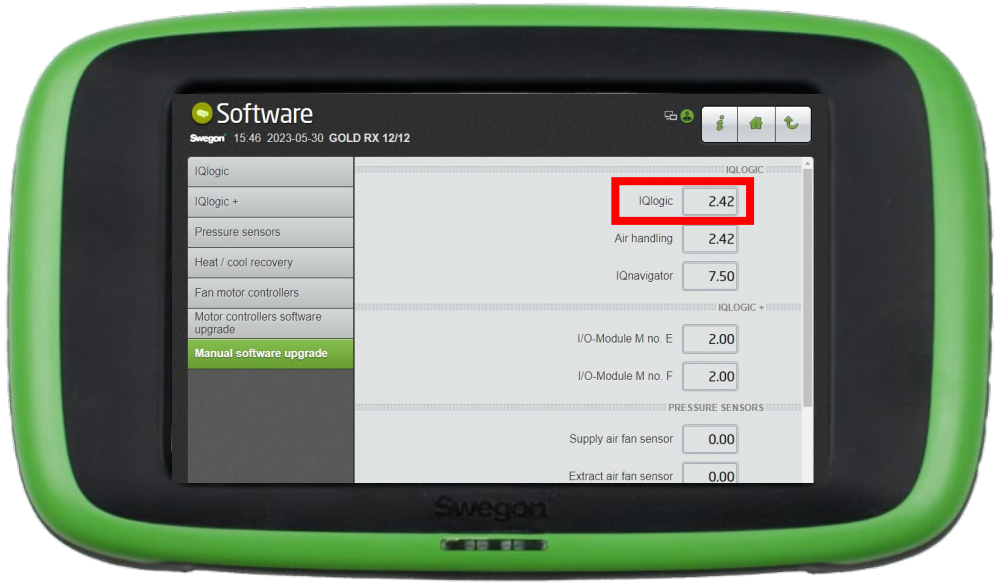
If your product doesn’t have a valid certificate:

Here's how to make your product INSIDE Ready (Retrofit)

Make sure you have SW 2.42 or later

Retrofit





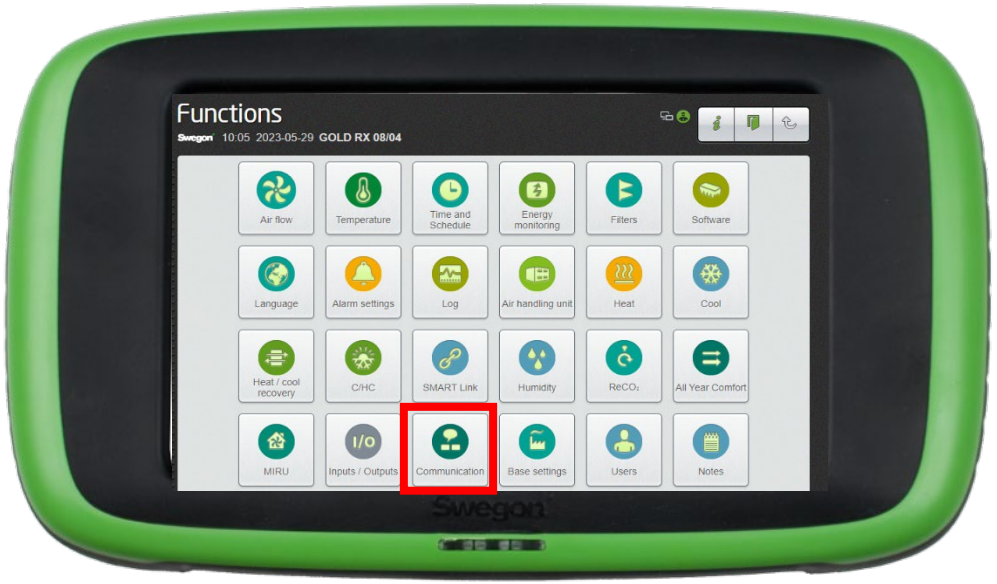
Activate Swegon INSIDE in HMI/Web

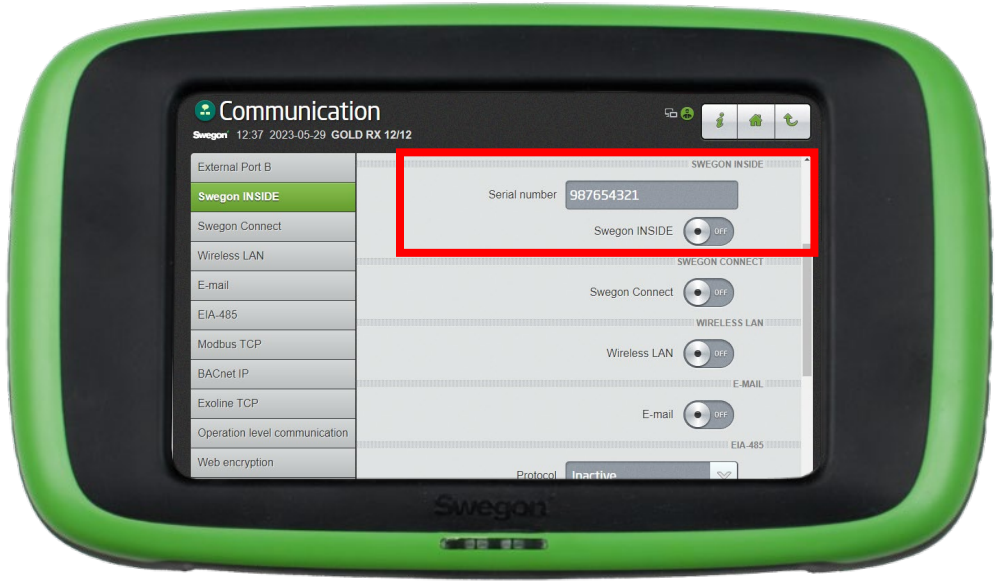
Retrofit

Go to “Communication”

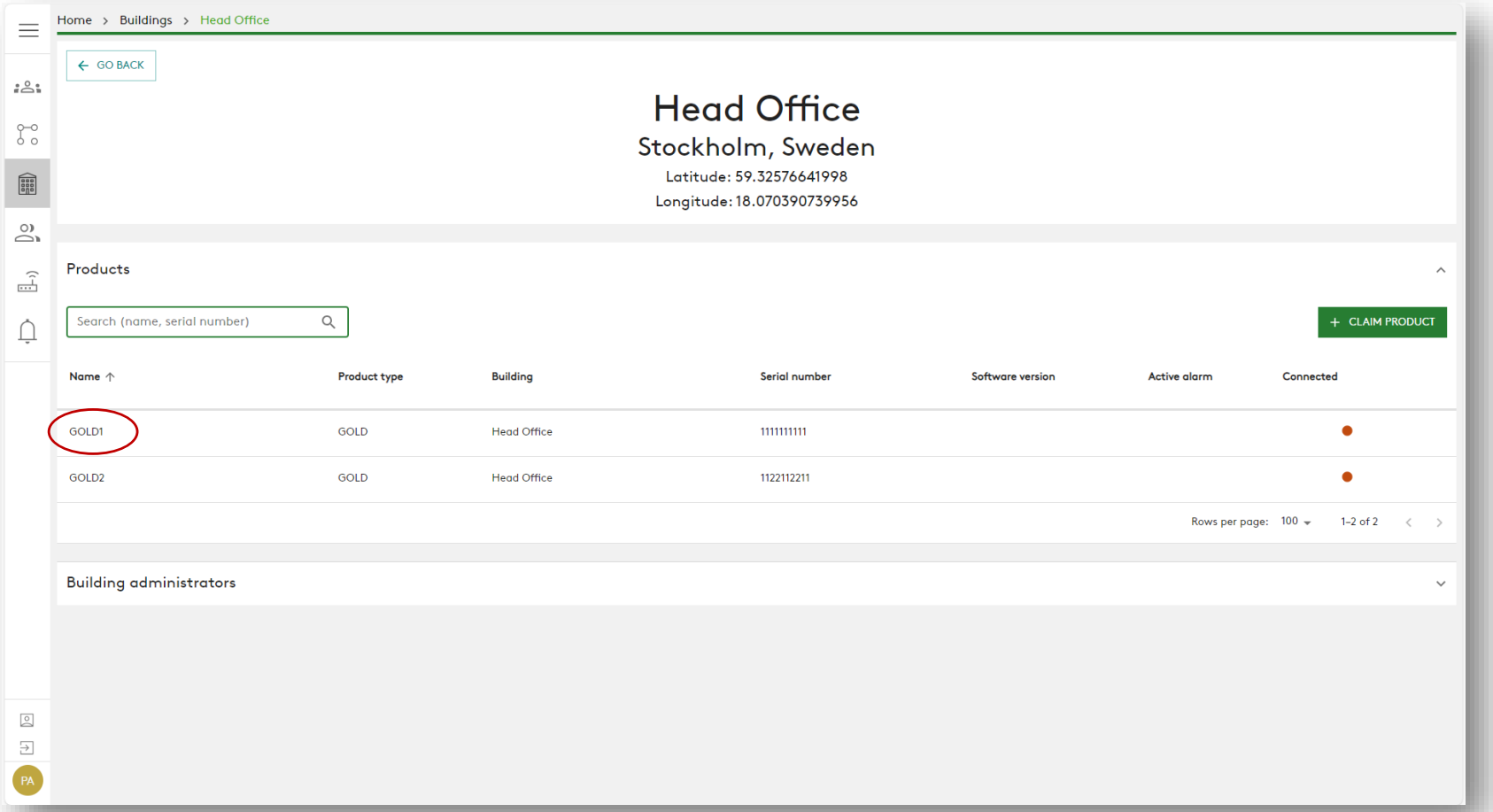
Make sure that the following fields are filled in correctly:

- IP address, Net mask, Default gateway, Primary DNS
- The product’s Serial number

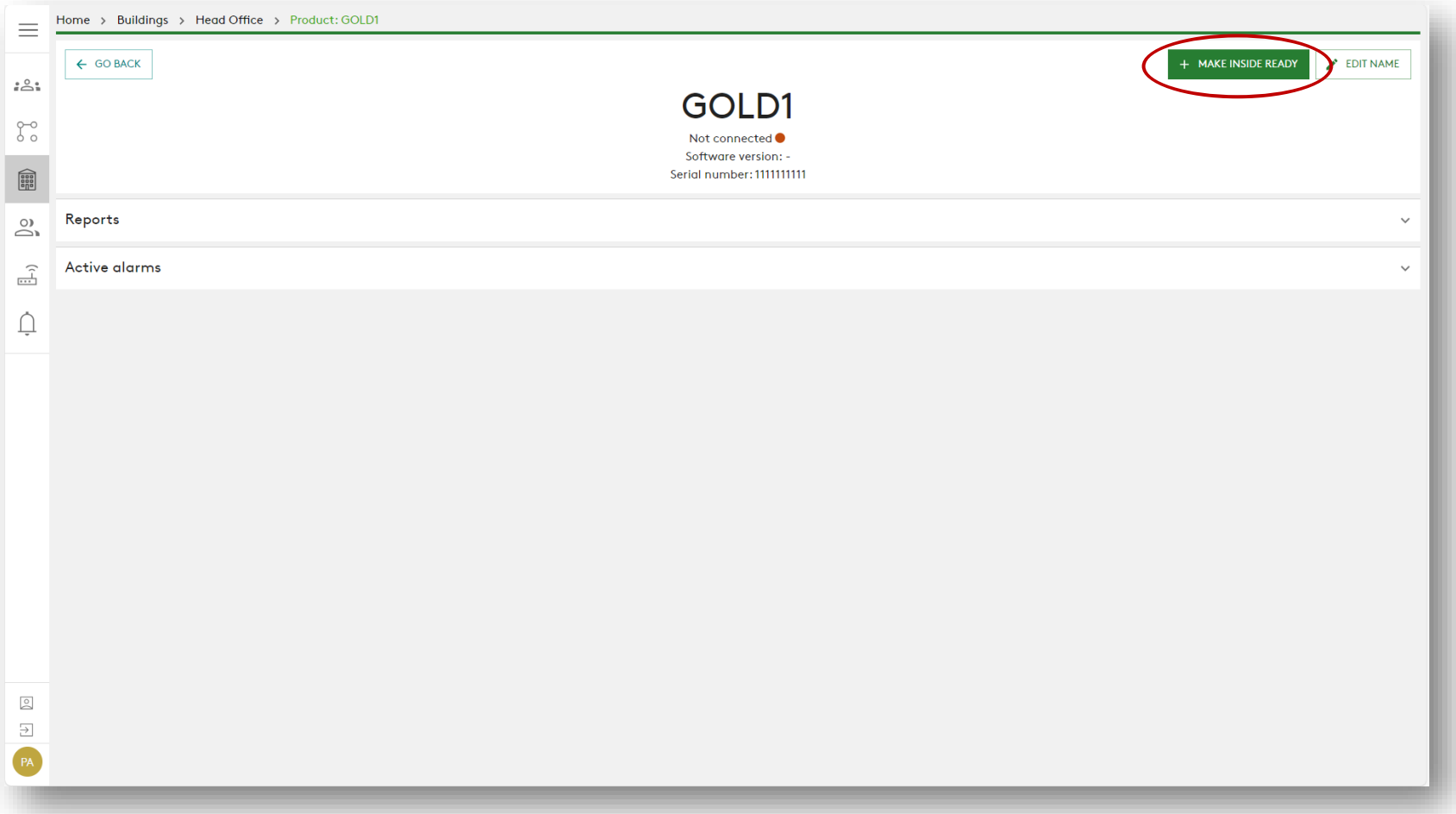




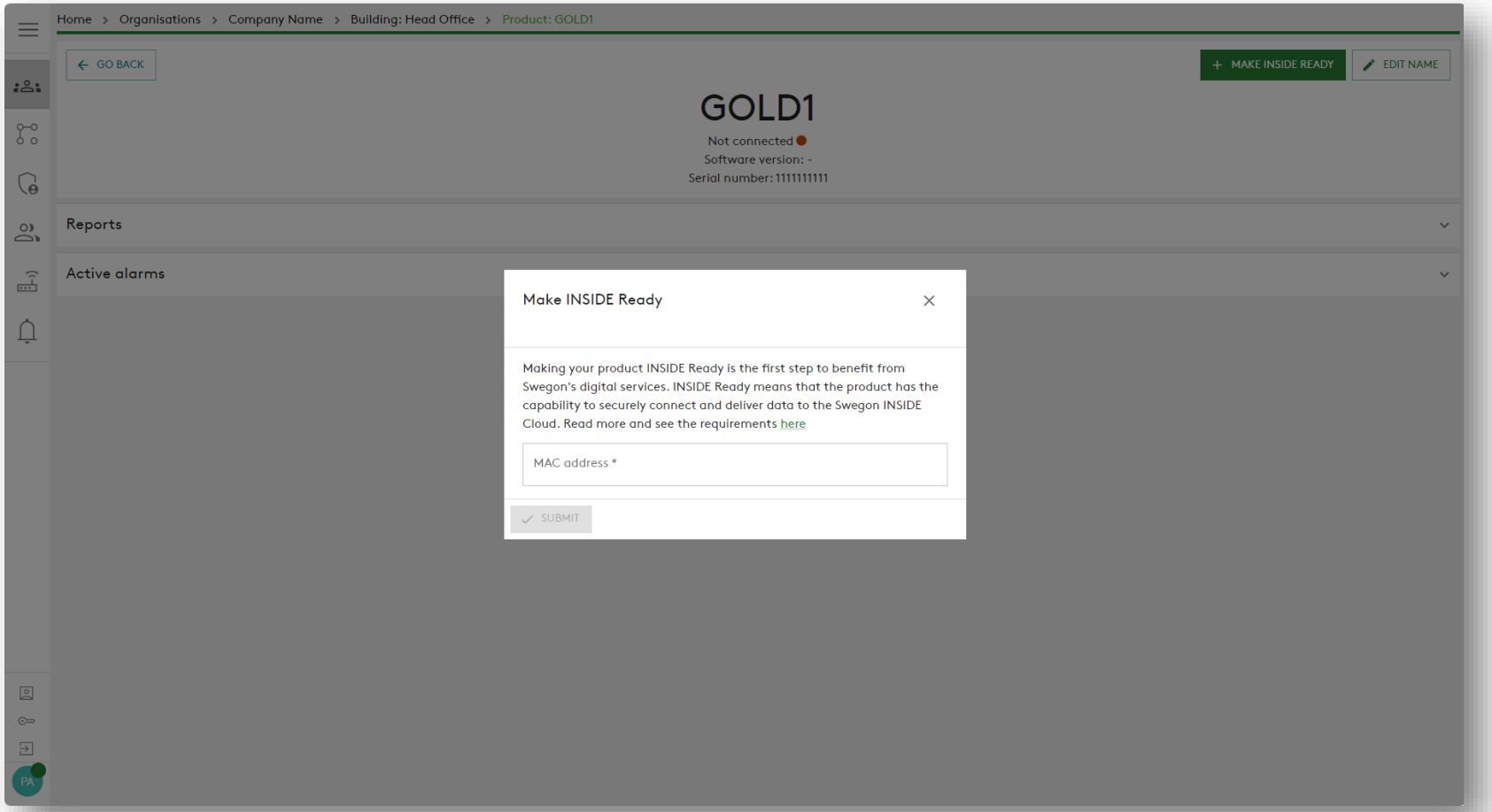
1. Go to your building and click on the product you want to make INSIDE Ready.



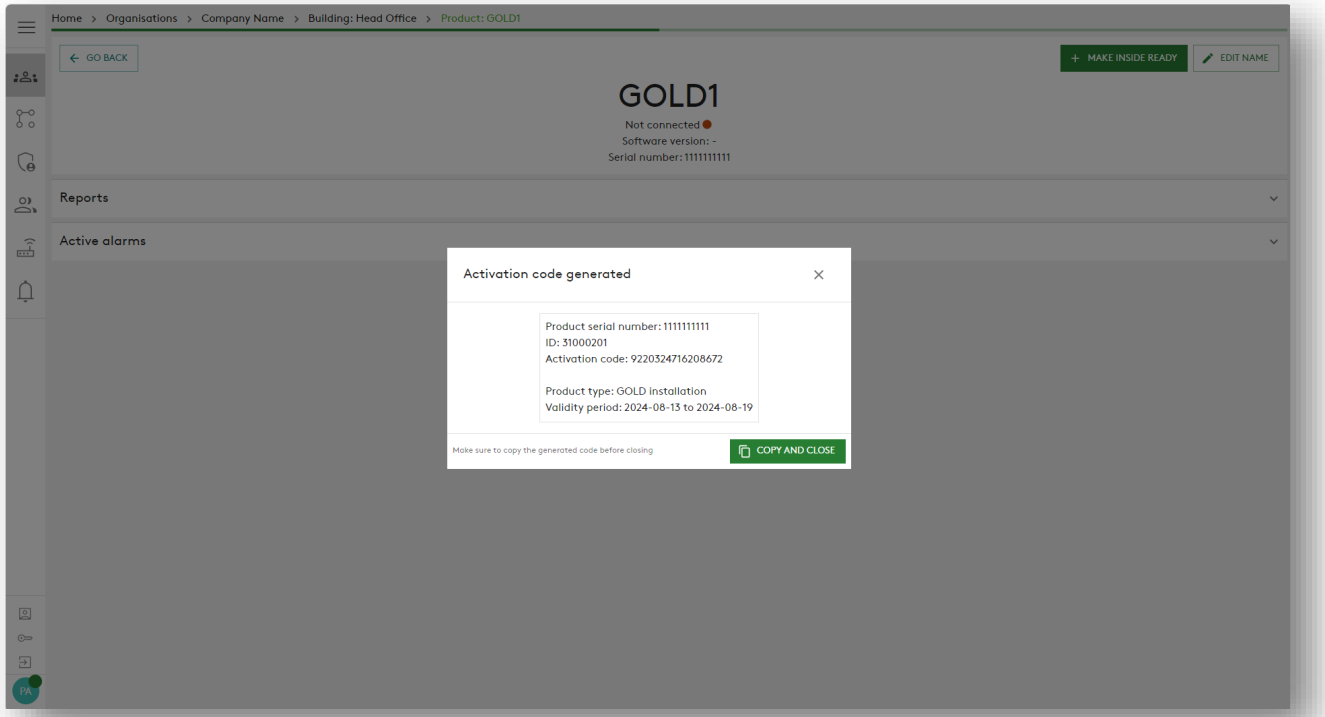
2. Press the button “MAKE INSIDE READY”.

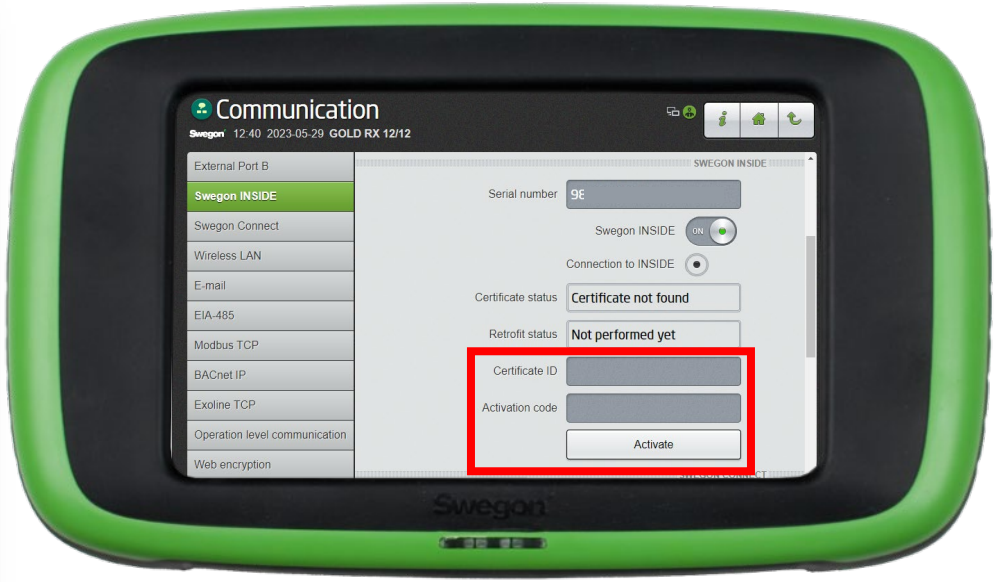


3. Type in the product’s MAC address and press submit.



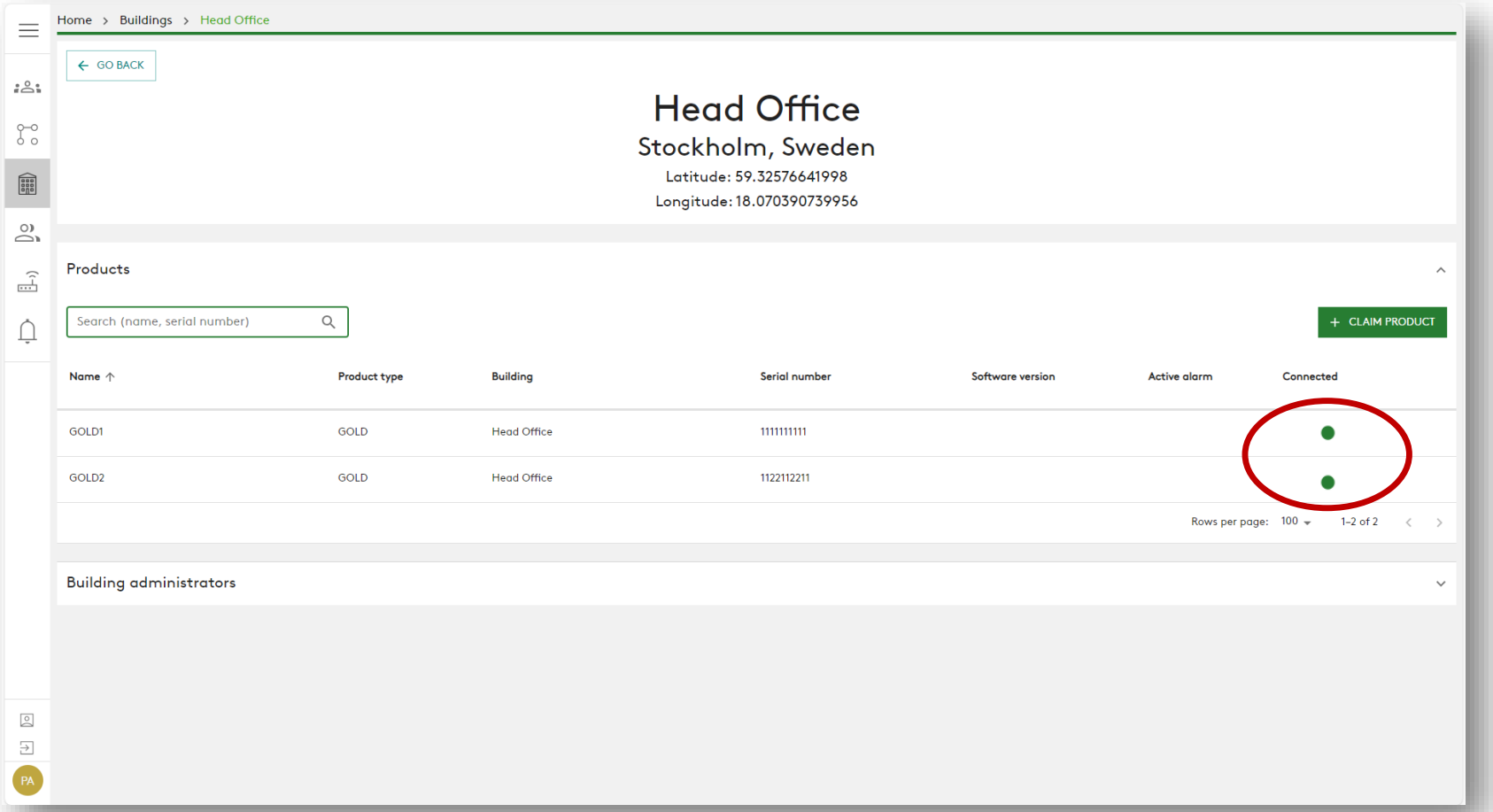
3. Copy the ID and Activation code and paste it in the right text fields in your products HMI and press “Activate”.
Now you have successfully connected your product!





For GOLD units you will find the text fields under ”Communication”

4. When the products are connected and sharing data with INSIDE Cloud, the dots light up green.



INSIDE Portal

Connecting GOLD units to the Swegon INSIDE cloud enables remote monitoring and digital services

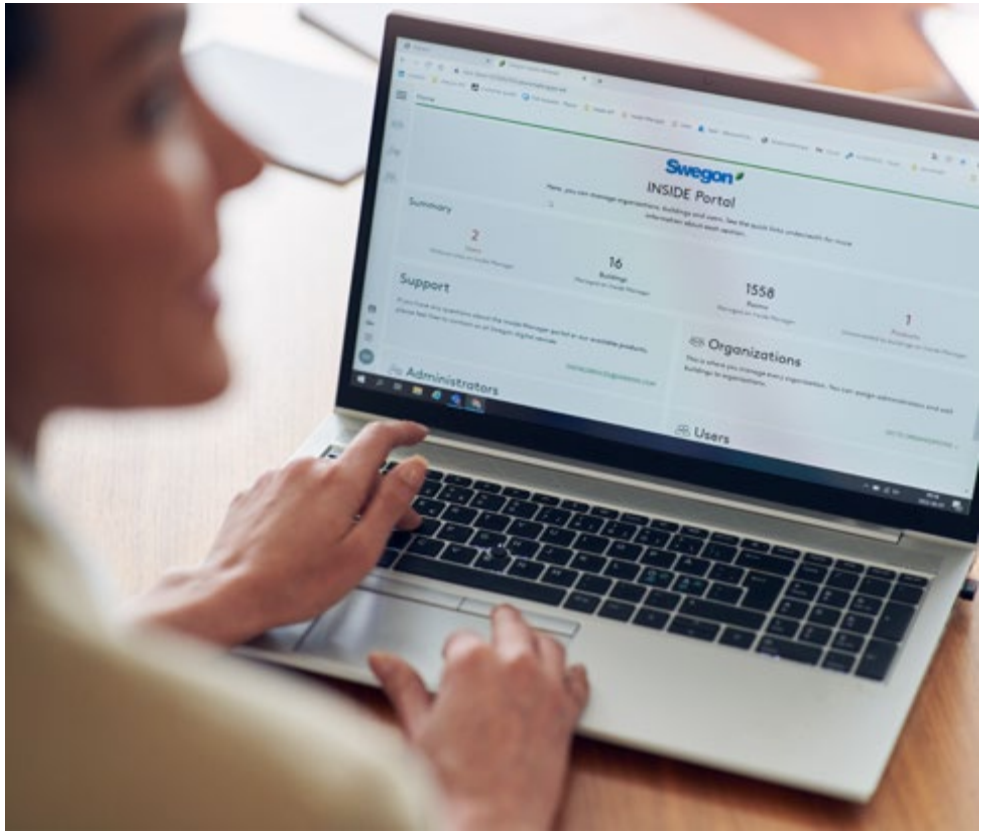
INSIDE Portal

– The hub for all connected Swegon products.

INSIDE Portal allows you to:

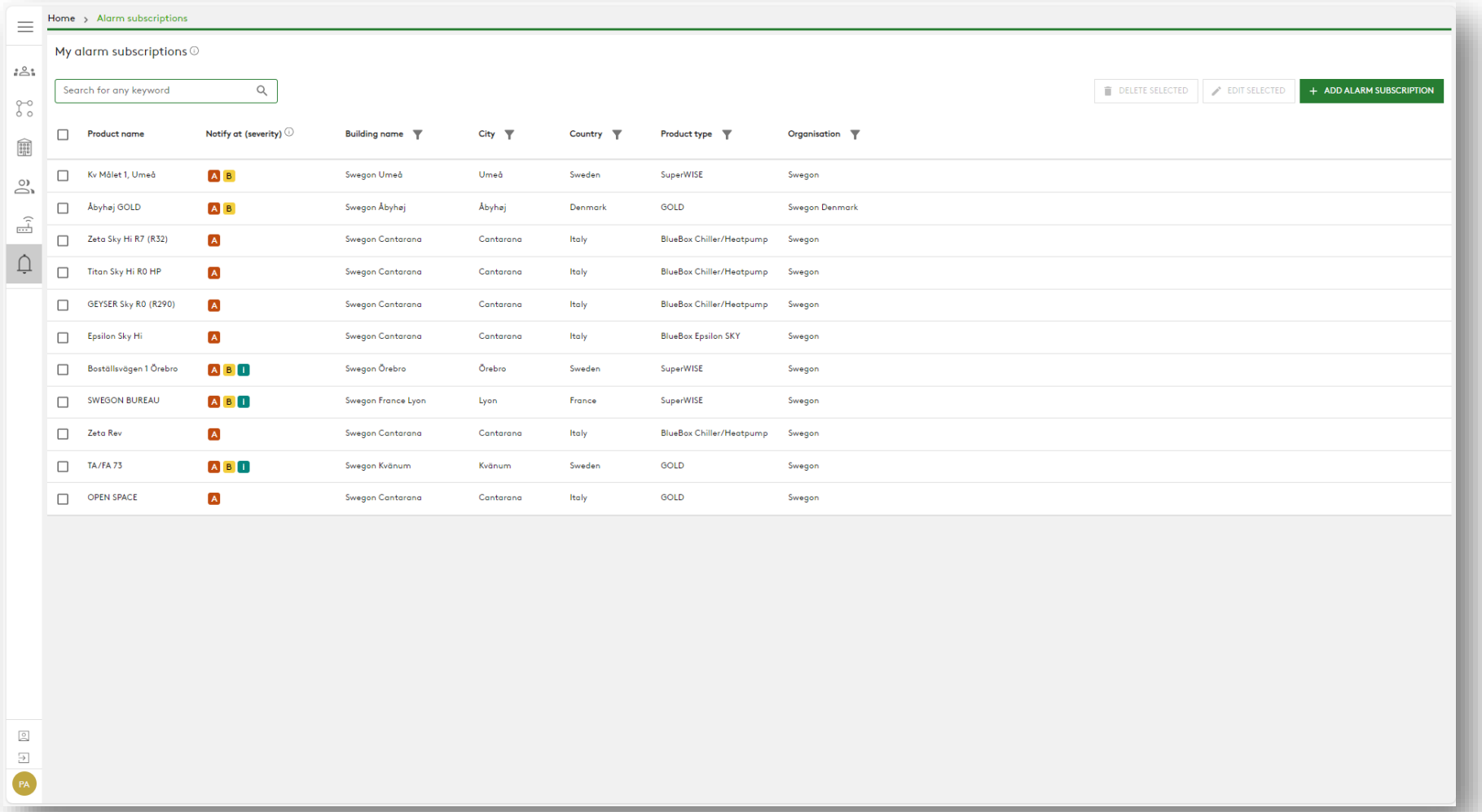
- Monitor key parameters
  - Status of air flow, pressure drop, temperatures etc.
  - Active alarms
- Generate and export energy reports
- Gain high level insights into the AHU performance
- Easily activate additional services that can increase the efficiency of your system
- Invite portal users to share insight and delegate level of access

INSIDE Portal is free of charge



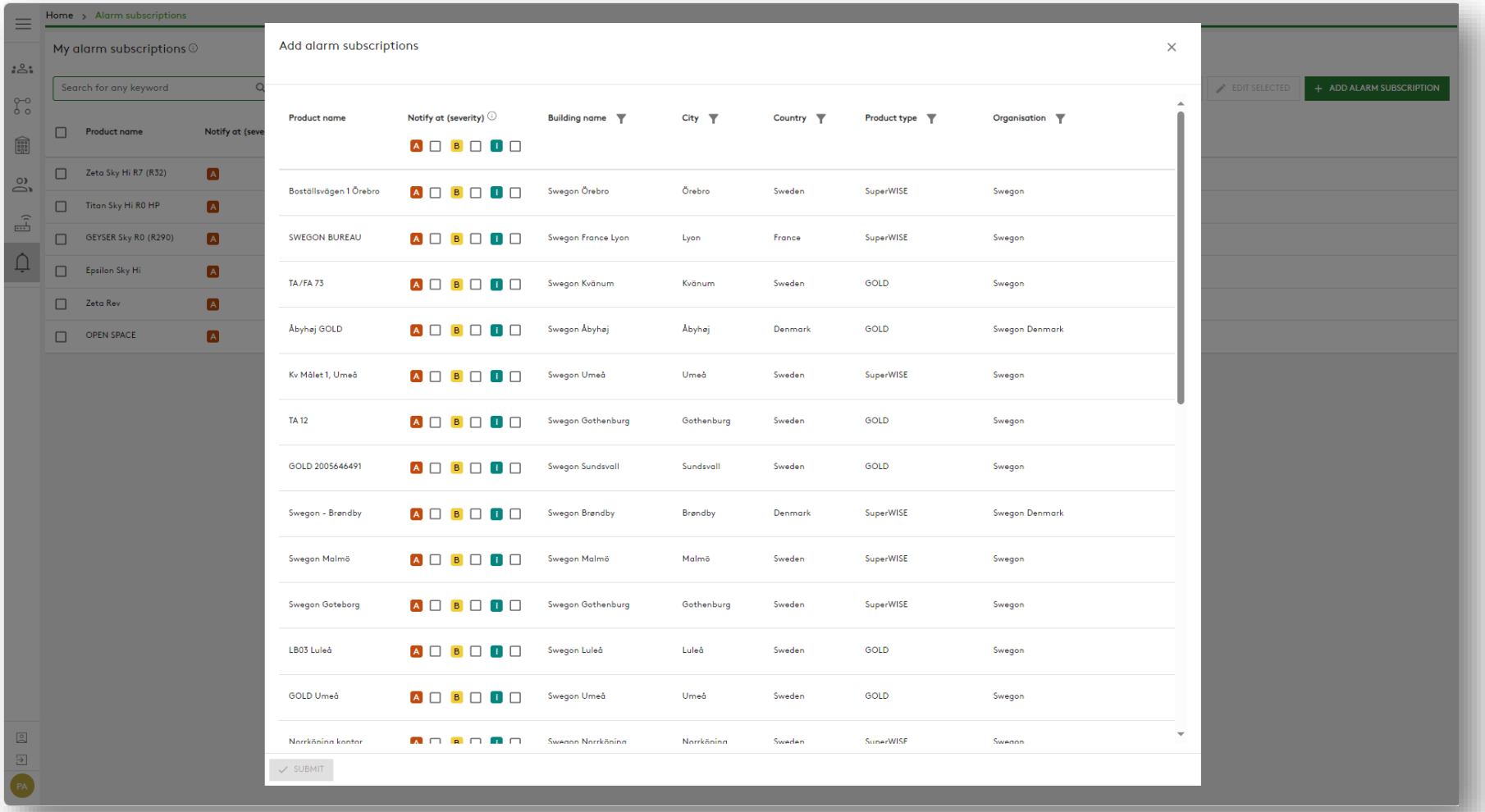
INSIDE Portal - Alarm subscriptions

Get alarm notifications to your email from connected units

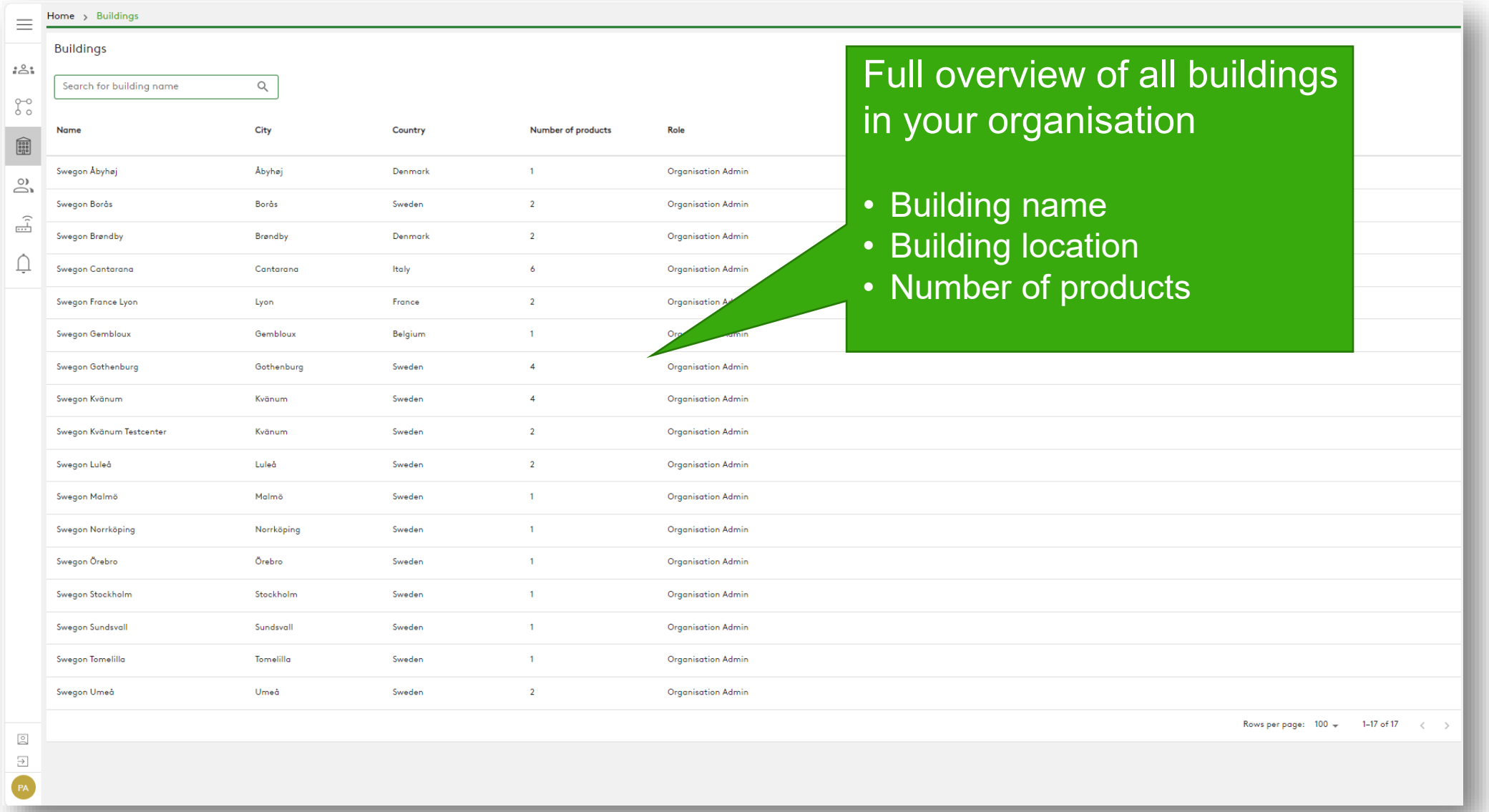


INSIDE Portal - Alarm subscriptions

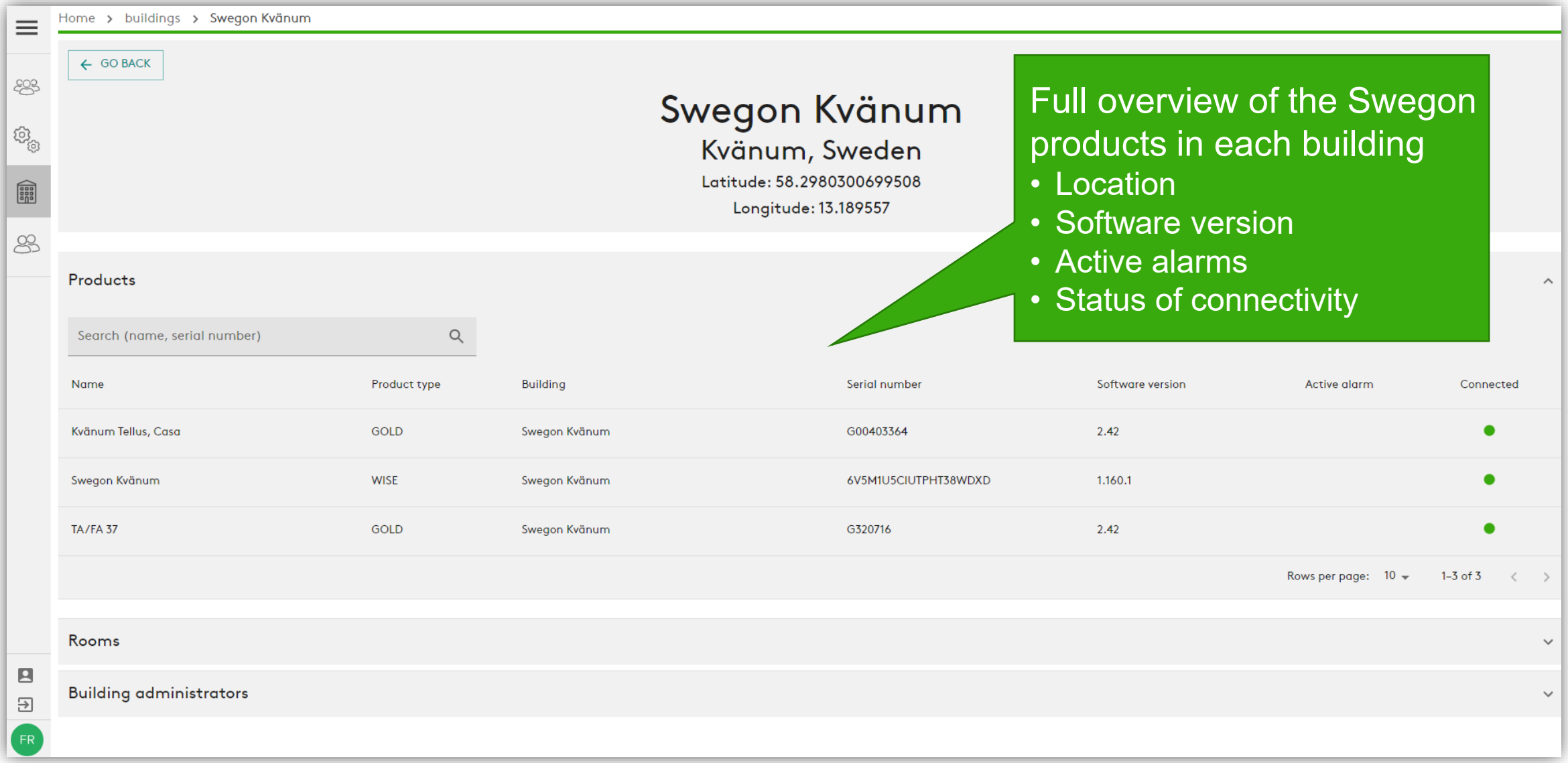
Select which alerts you want to be notified of via email



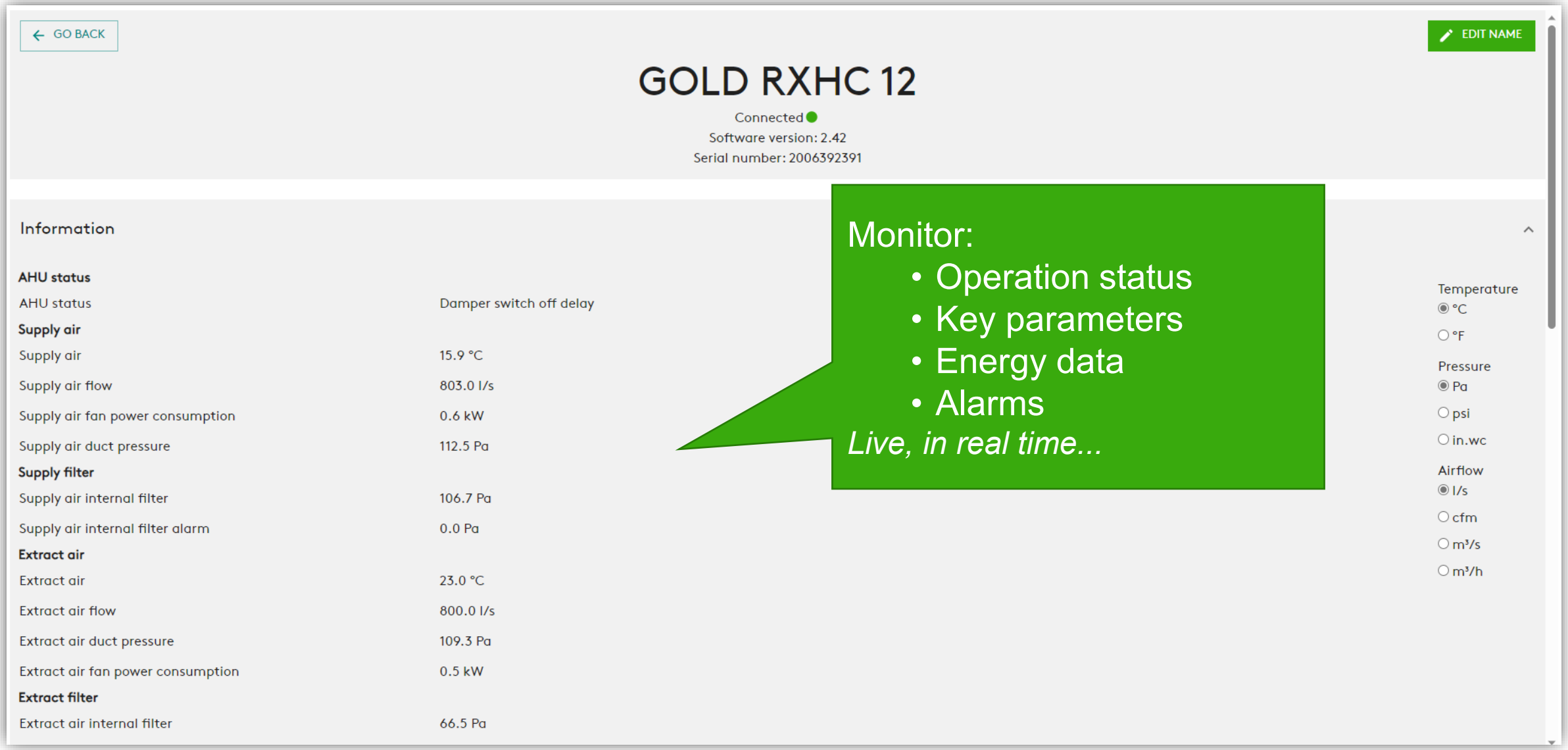
INSIDE Portal: Overview of connected units



INSIDE Portal: Overview of connected units



INSIDE Portal: Monitor performance



INSIDE Portal: Monitor performance

Energy	
Cool power recovery	0.0 kW
Specific fan power	1.4 kW/m³/s
Temperature efficiency	0.0 %
Heat power recovery	0.0 kW
Temperature efficiency	0.0 %
Heat exchange motor energy consumption since unit installation	0.2 MWh
Heat energy consumption since unit installation	12.0 MWh
Total Heat Cool energy consumption since unit installation	16.1 MWh
Total energy recovery since unit installation	59.6 MWh
Total air fan energy consumption since unit installation	8.4 MWh
Supply air fan energy consumption	1.3 MWh
Heat energy recovery since unit installation	59.2 MWh
Supply air fan energy consumption since unit installation	4.2 MWh
Extract air fan energy consumption	1.2 MWh
Total AHU energy consumption since unit installation	8.6 MWh
Heat exchange motor power consumption	0.0 kW
Extract air fan energy consumption since unit installation	4.2 MWh
Cool energy recovery since unit installation	0.5 MWh
Total AHU energy consumption	2.6 MWh
Heat exchange motor energy consumption	0.0 MWh
Cool energy consumption since unit installation	4.1 MWh
Alarms	
Alarm priority A triggered	0
Alarm priority B triggered	0

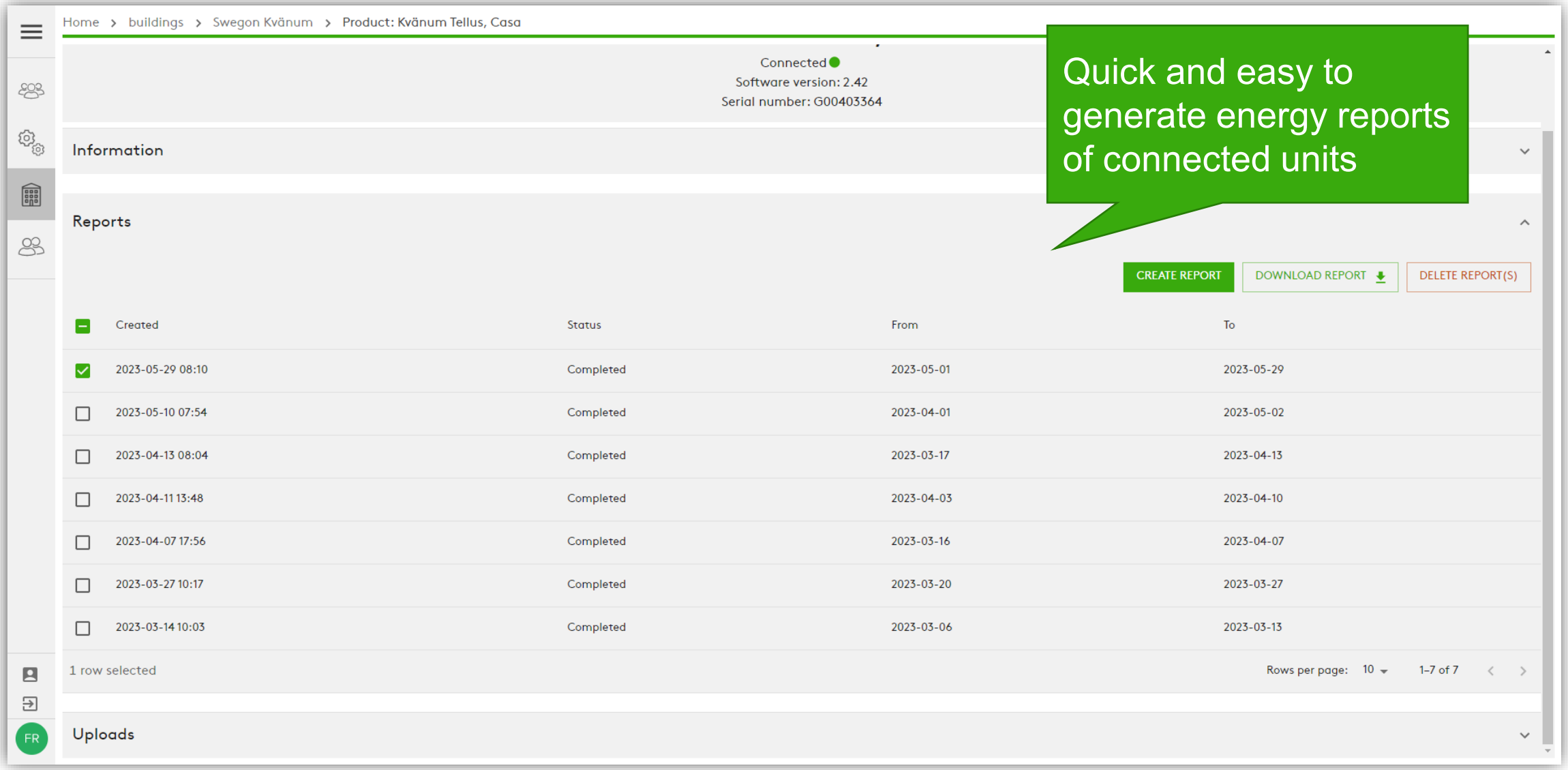
Detailed information about active alarms

Alarms

Name	Raised at
Info 98:7 Extract air air handling unit filter calibration not performed	2023-07-19 07:24
Info 98:5 Supply air air handling unit filter calibration not performed	2023-07-19 07:24

Rows per page: 100 1–2 of 2

INSIDE Portal: Energy report



Energy report

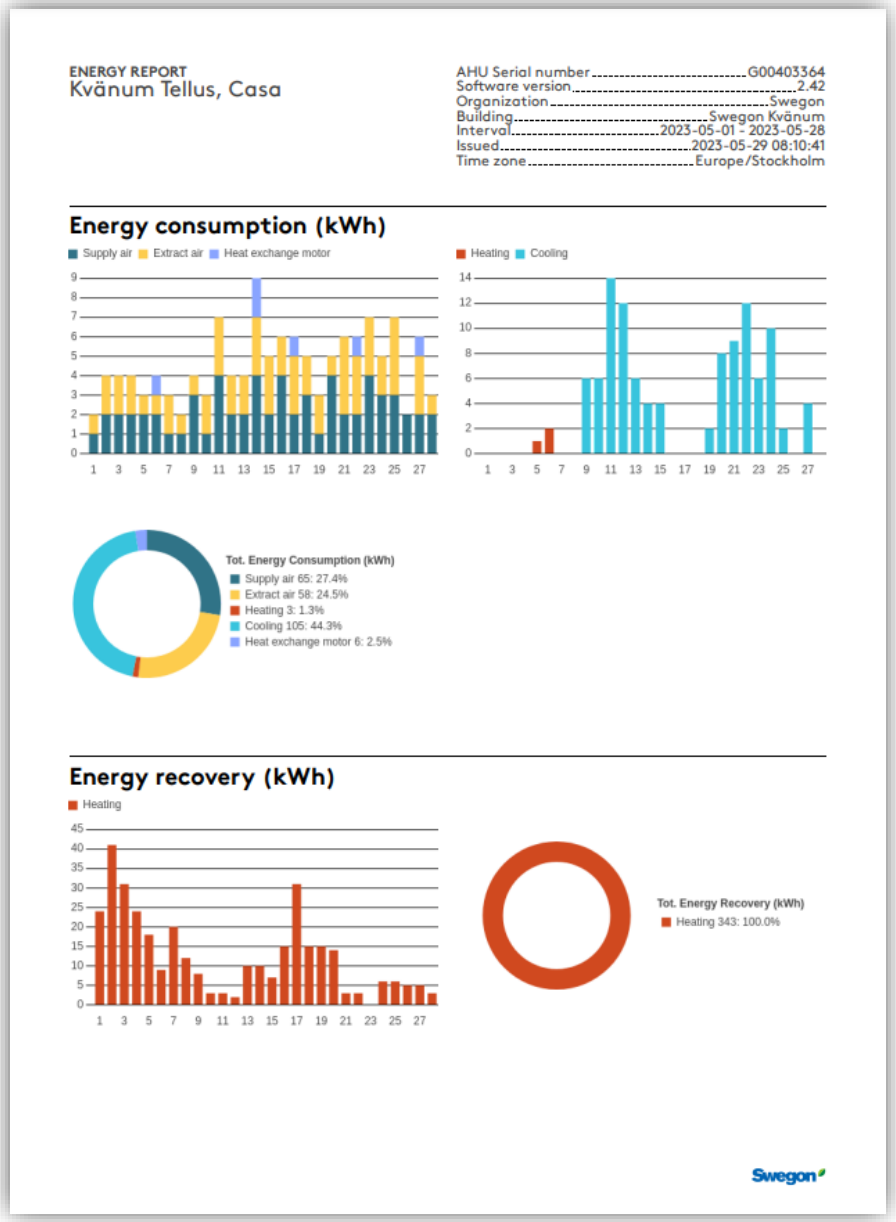
Analyse performance

Generate energy reports using preferred time interval and detail level.

ENERGY REPORT
Kvänum Tellus, Casa

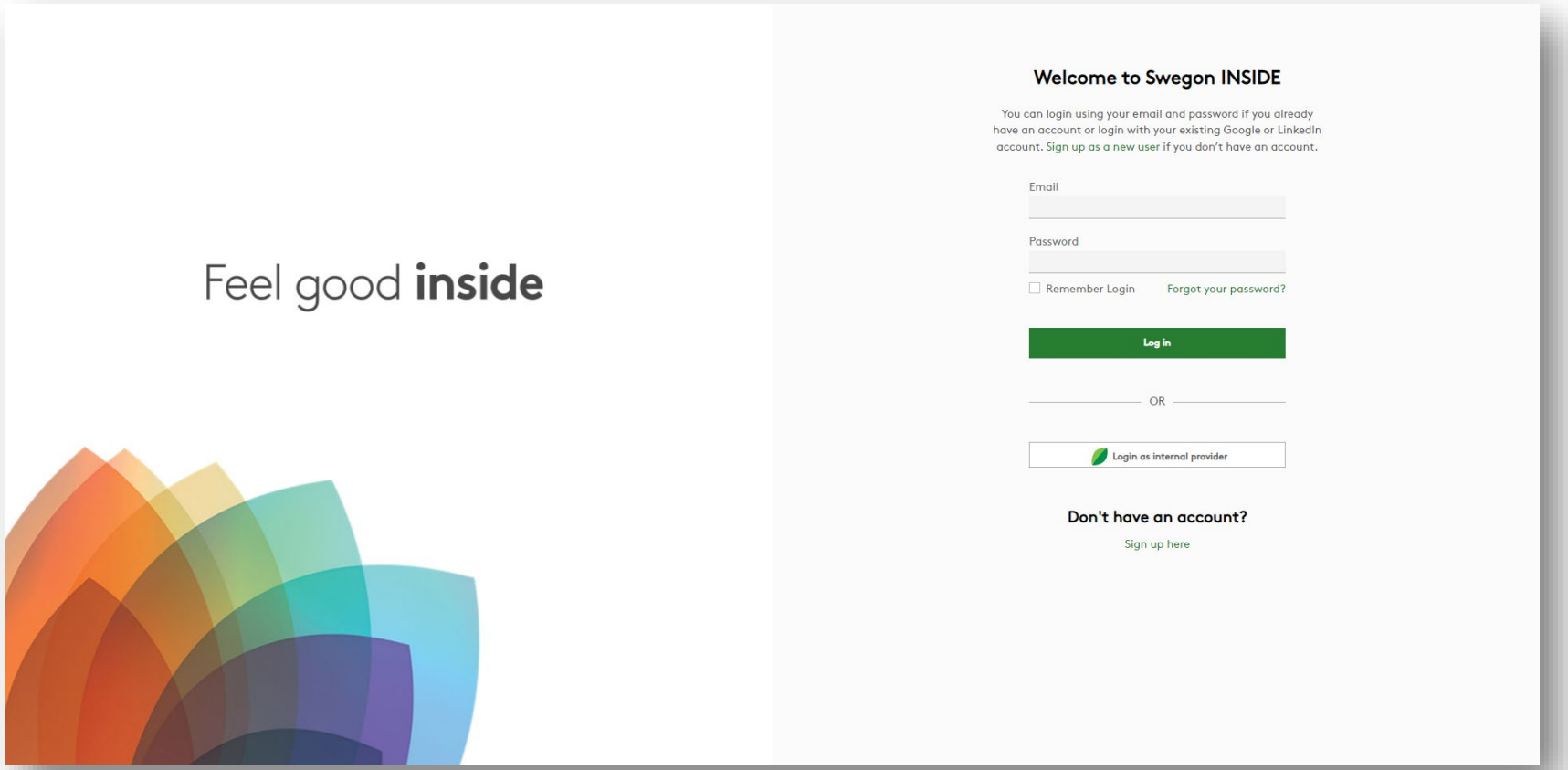
AHU Serial number	G00403364
Software version	2.42
Organization	Swegon
Building	Swegon Kvänum
Interval	2023-05-01 - 2023-05-28
Issued	2023-05-29 08:10:41
Time zone	Europe/Stockholm

Day	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total kWh
ENERGY CONSUMPTION																													
Supply air	1	2	2	2	2	2	1	1	3	1	4	2	2	4	2	4	2	3	1	4	2	2	4	3	3	2	2	2	65
Extract air	1	2	2	2	1	1	2	1	1	2	3	2	2	3	3	2	3	2	2	1	4	3	3	2	4	-	3	1	58
Heat exchange motor	0	-	-	-	-	1	-	-	-	-	-	-	-	2	-	-	1	0	-	-	0	1	-	-	-	-	1	-	6
Heating	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	0	0	-	-	0	0	-	-	-	-	-	-	3
Cooling	-	-	-	-	-	-	-	-	6	6	14	12	6	4	4	-	0	0	2	8	9	12	6	10	2	-	4	-	105
ENERGY RECOVERY																													
Heating	24	41	31	24	18	9	20	12	8	3	3	2	10	10	7	15	31	15	15	14	3	3	-	6	6	5	5	3	343

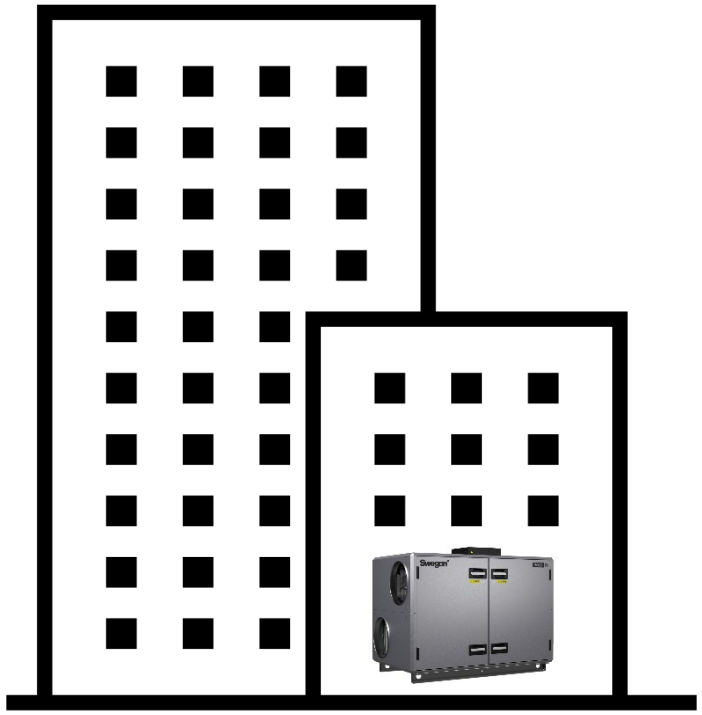


INSIDE Portal: Log in

Log in to INSIDE Portal: https://inside.swegon.com/



Several ways to monitor GOLD



4G router
Ethernet connection

INSIDE Cloud

Swegon INSIDE
- Portal (free of charge)
- Additional paid-for services

Swegon Connect router

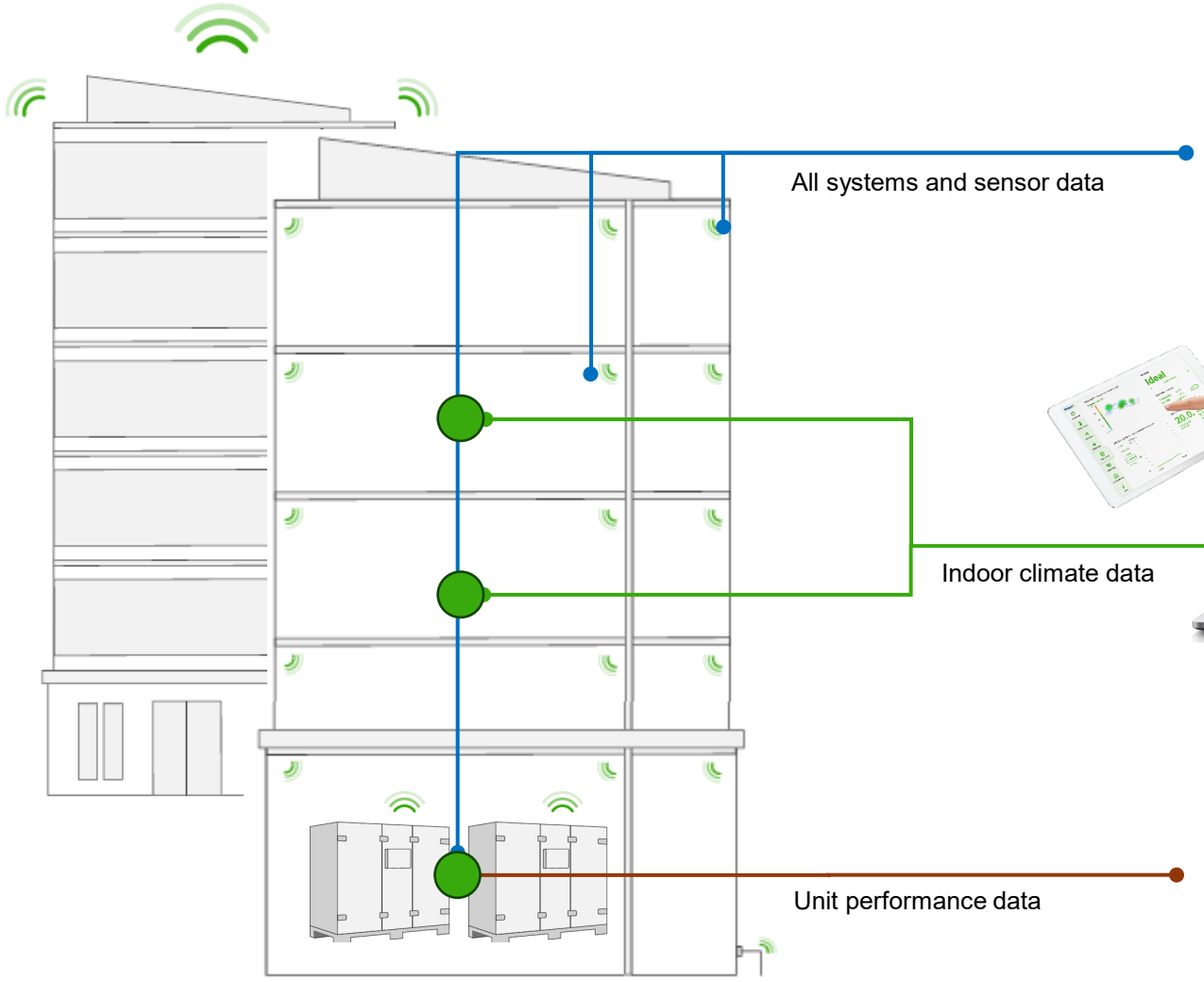
Swegon Connect
- Access to GOLD internal webpage

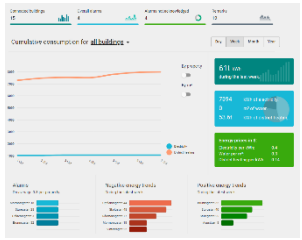
At the unit

- HMI

- Direct access to GOLD internal webpage via WiFi accesspoint (delivered as standard)

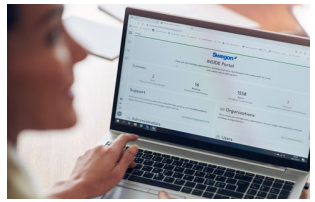
Digital services





INSIDE Director
Combination of BMS and EMS functionality for a complete building stock.

INSIDE Analytics & Visualiser
Analysis and visualisation of the indoor climate.



INSIDE Portal
Remote monitoring of the AHU's key parameters, active alarms and energy consumption.

Swegon

Feel good **inside**