

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

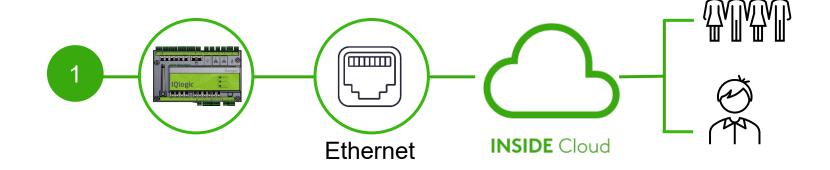


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Going online with GOLD

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







INSIDE Connect – Example of IP settings

IP settings for the router are done in the INSIDE Portal

IP settings on the GOLD (done in IQnavigator or through IQlogic web interface)

Router connected to Port A on Gold IQlogic

Router setting: Gold setting:

Netmask: 255.255.255.0 Netn

Router connected to Port B on Gold IQlogic

Router setting: Gold setting:

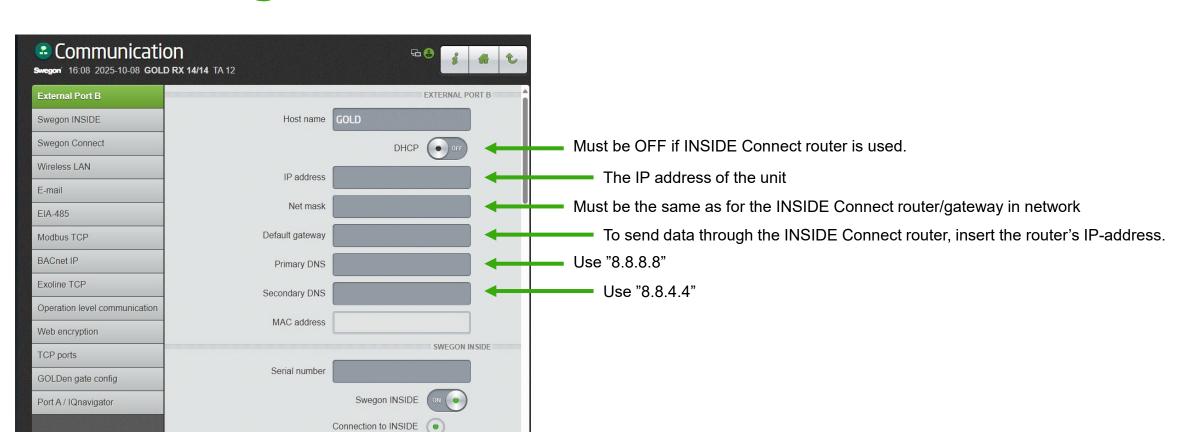
IP: 10.200.1.250 GOLD nr. 1: IP: 10.200.1.1 (default)

Netmask: 255.255.255.0 GOLD nr. 2: IP: 10.200.1.2 and so on...

Netmask: 255.255.255.0



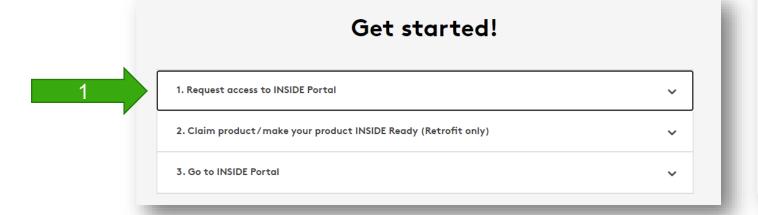
IP settings in HMI/Web

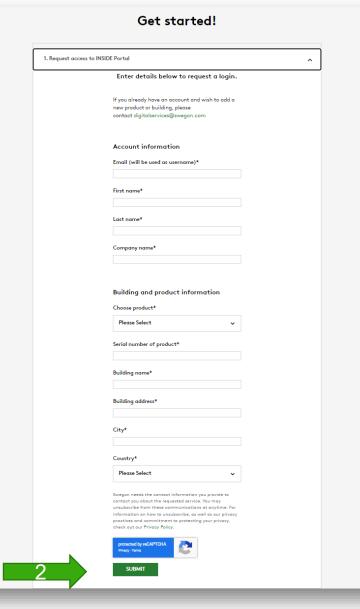




Create an account

- Go to <u>Swegon's webpage</u>
 - Software → Connected products
 - Request access to the INSIDE Portal
 - Fill in the form and click Submit
 - Wait for the invitation email to the INSIDE Portal.



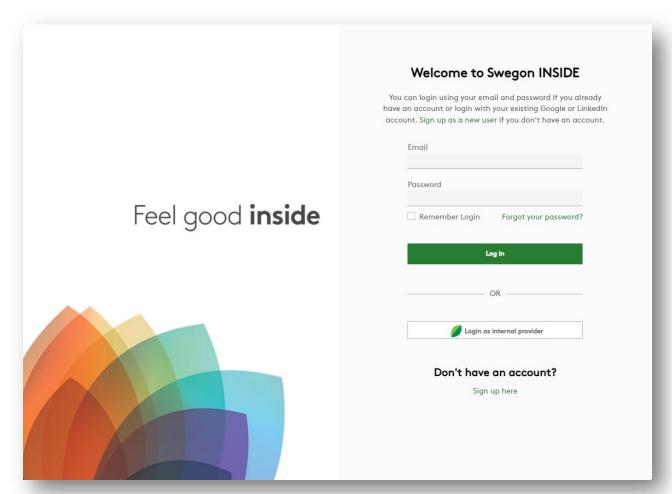




1. Log in to INSIDE Portal

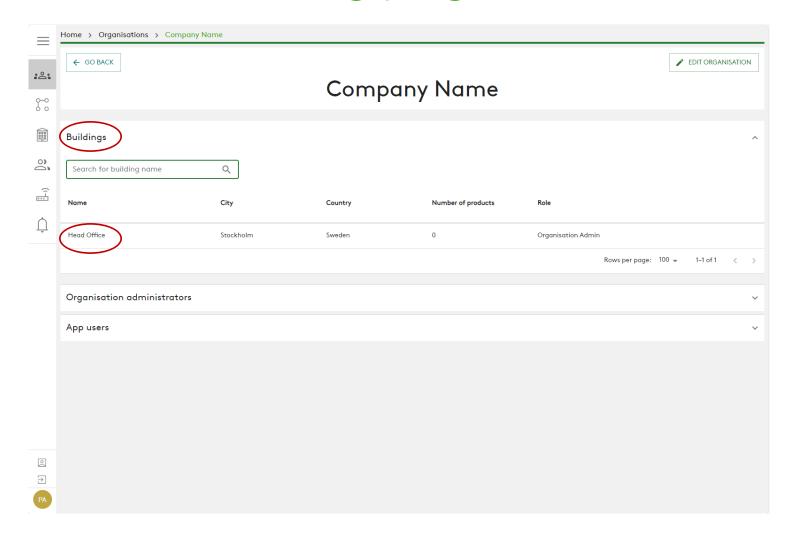
Swegon INSIDE Portal

https://inside.swegon.com



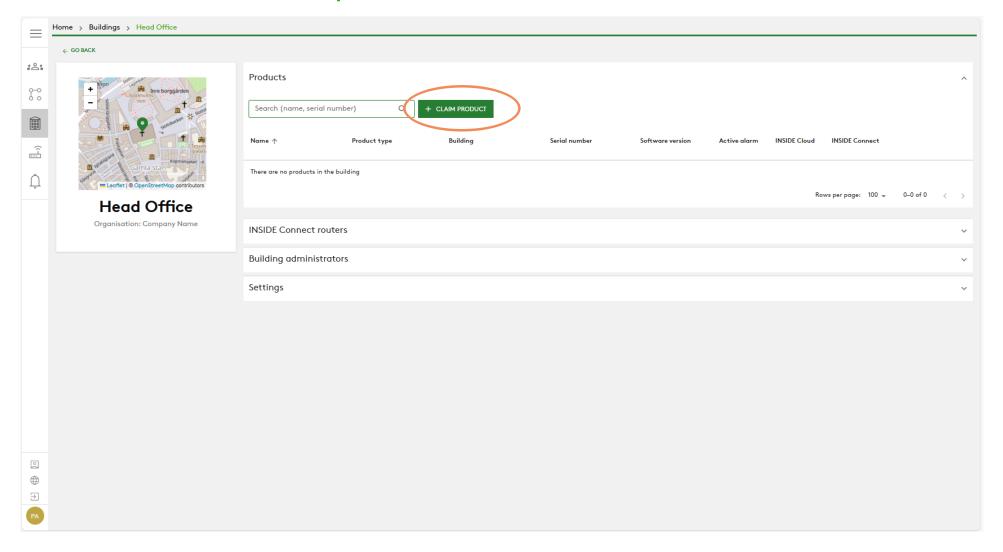


2. Go to building page



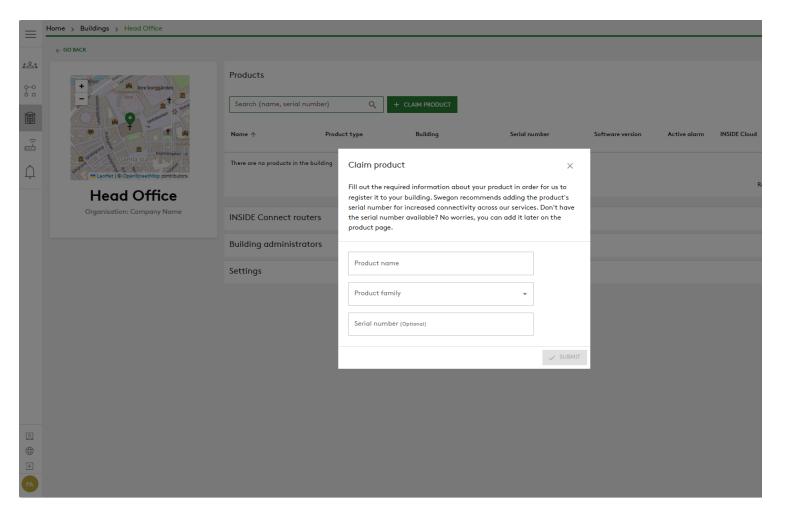


3. Press "Claim product"





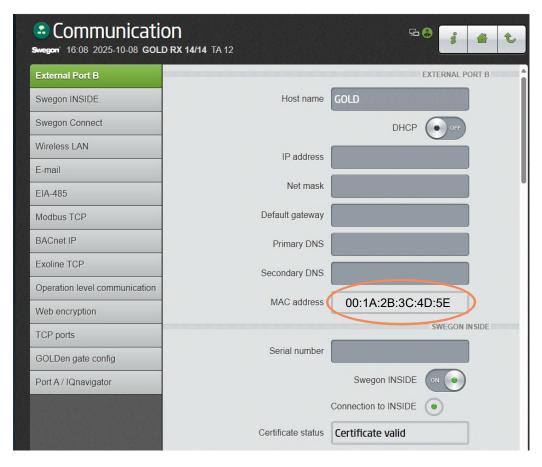
4. Give your product a new and choose the right product family and serial number. The correct serial number is needed to be able to connect the unit and see live data.





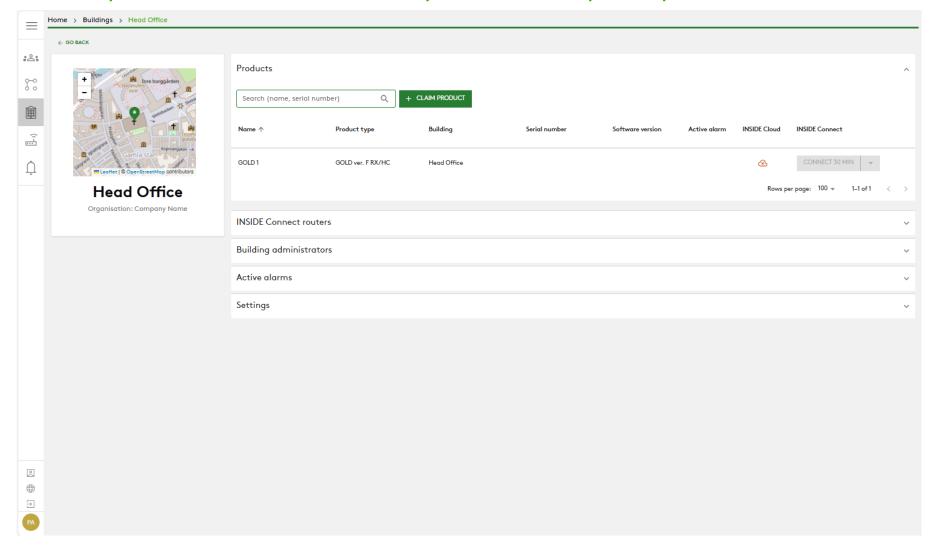
4b.

If the product is already connected to INSIDE Cloud, you need to enter the MAC-address of the product to be able claim it.



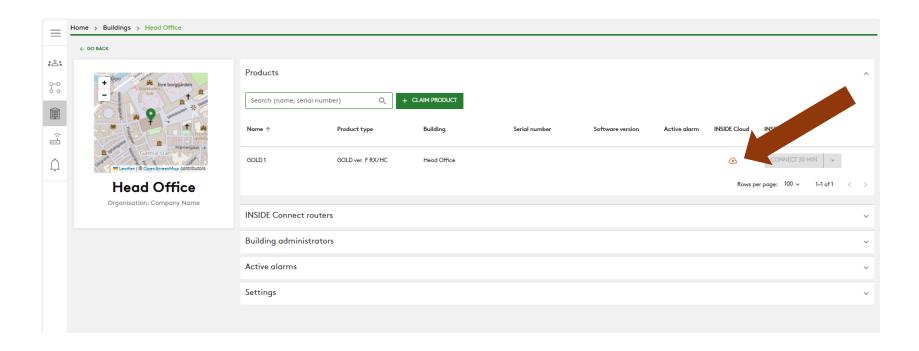


6. Now you have successfully claimed your product.





- 7. If your product is not connected to cloud (as shown below with the red cloud symbol), you need to check that
- -Swegon INSIDE is activated on the product
- -it has a valid certificate (INSIDE Ready)
- -the product's serial number in entered in the INSIDE Portal





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:

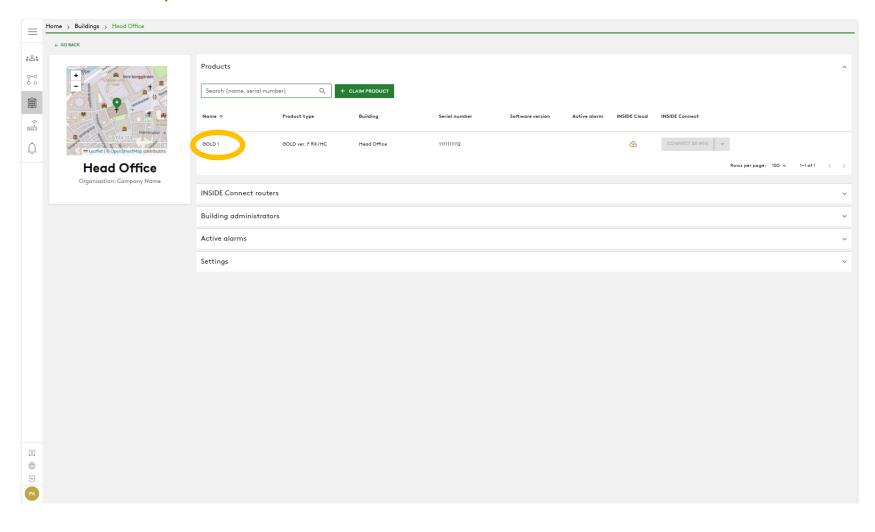
- IP address, Net mask, Default gateway, Primary DNS
- The product's Serial number





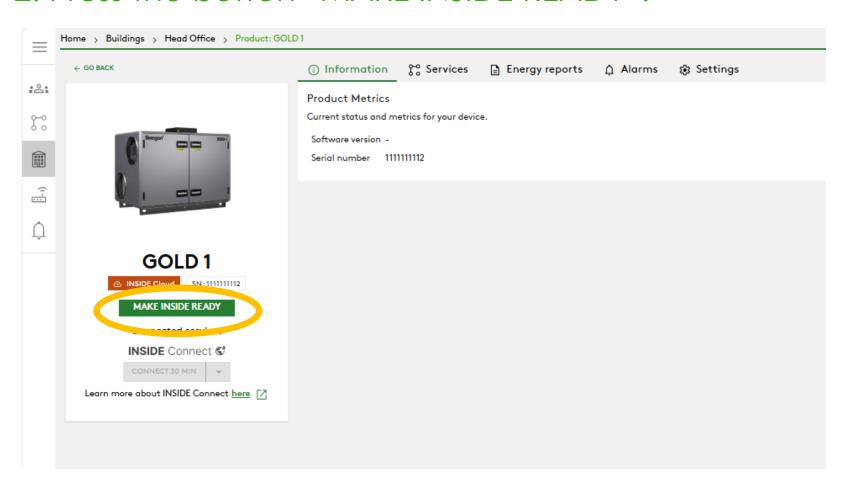


1. Go to your building and click on the product you want to make INSIDE Ready.



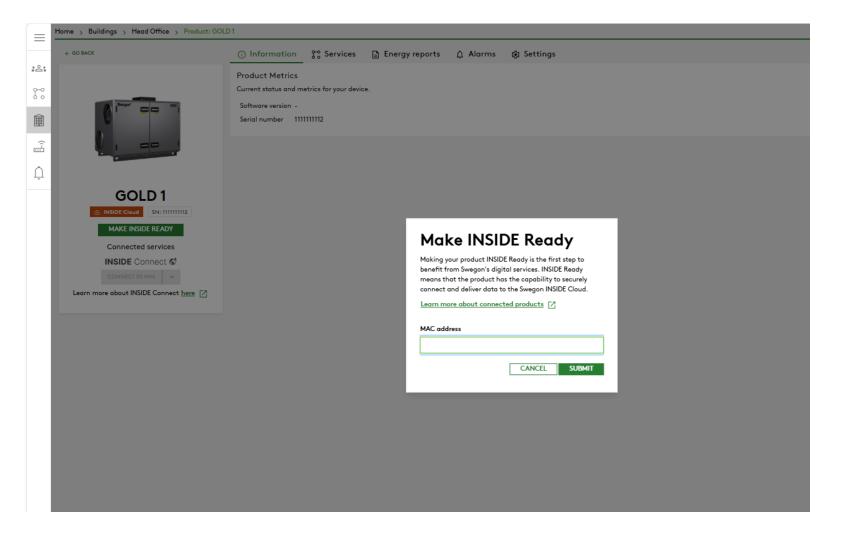


2. Press the button "MAKE INSIDE READY".



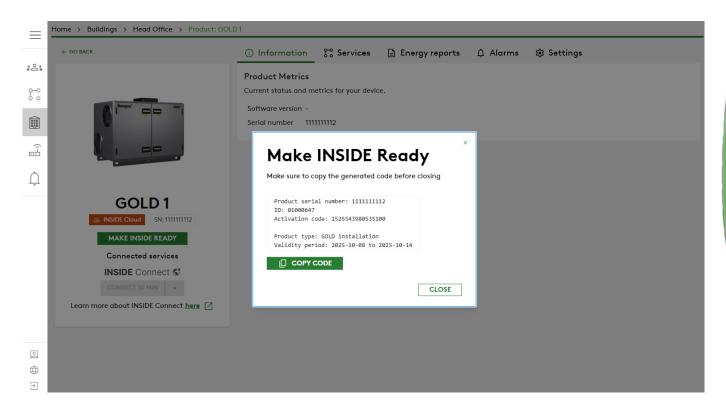


3. Type in the product's MAC address and press submit.





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!

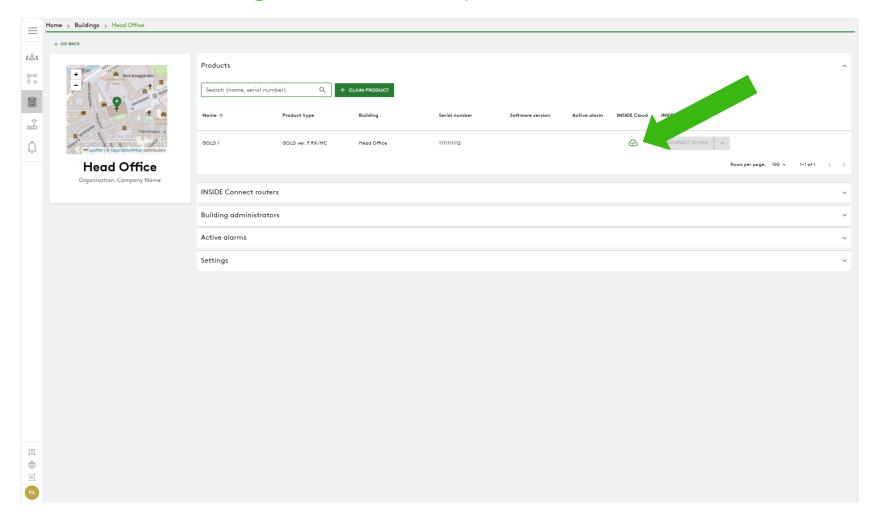




For GOLD units you will find the text fields under "Communication"



4. When the products are connected and sharing data with INSIDE Cloud, the green cloud symbol is shown.



INSIDE Portal

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

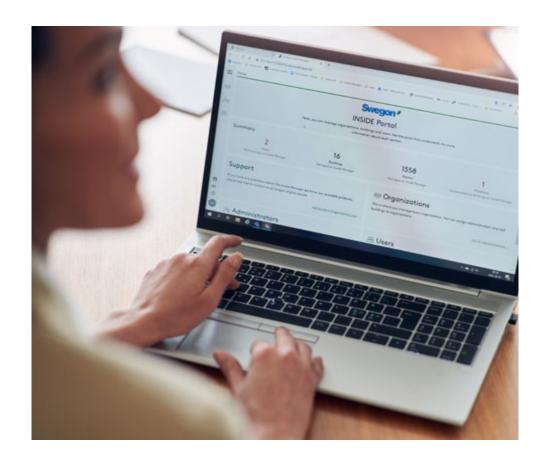


INSIDE Portal

- 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

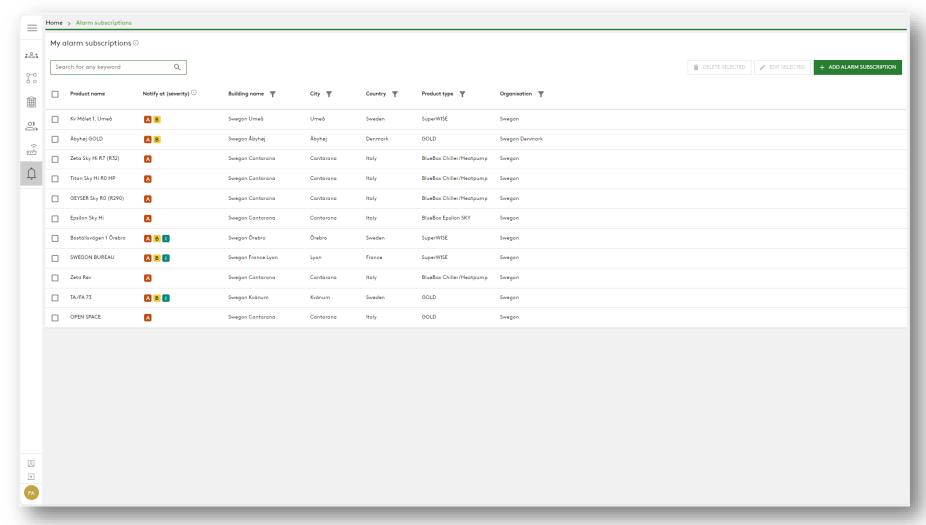


INSIDE Portal is free of charge



INSIDE Portal - Alarm subscriptions

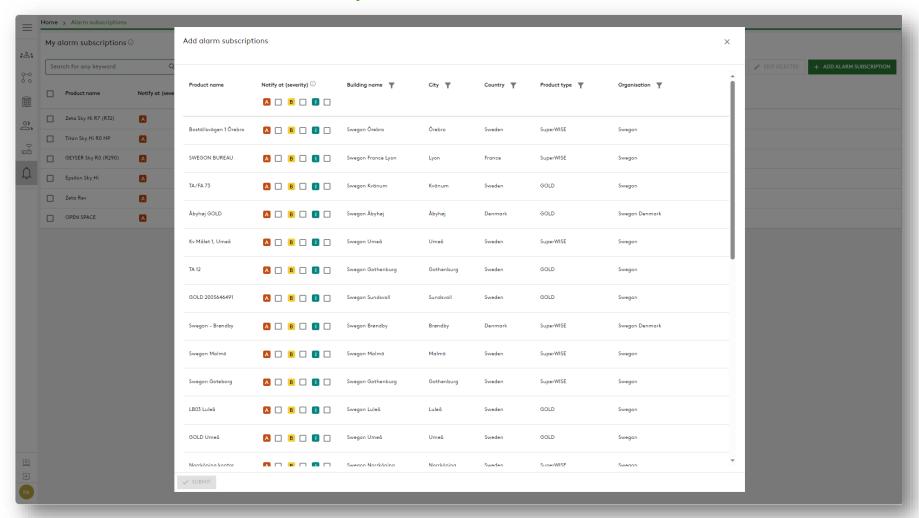
Get alarm notifications to your email from connected units





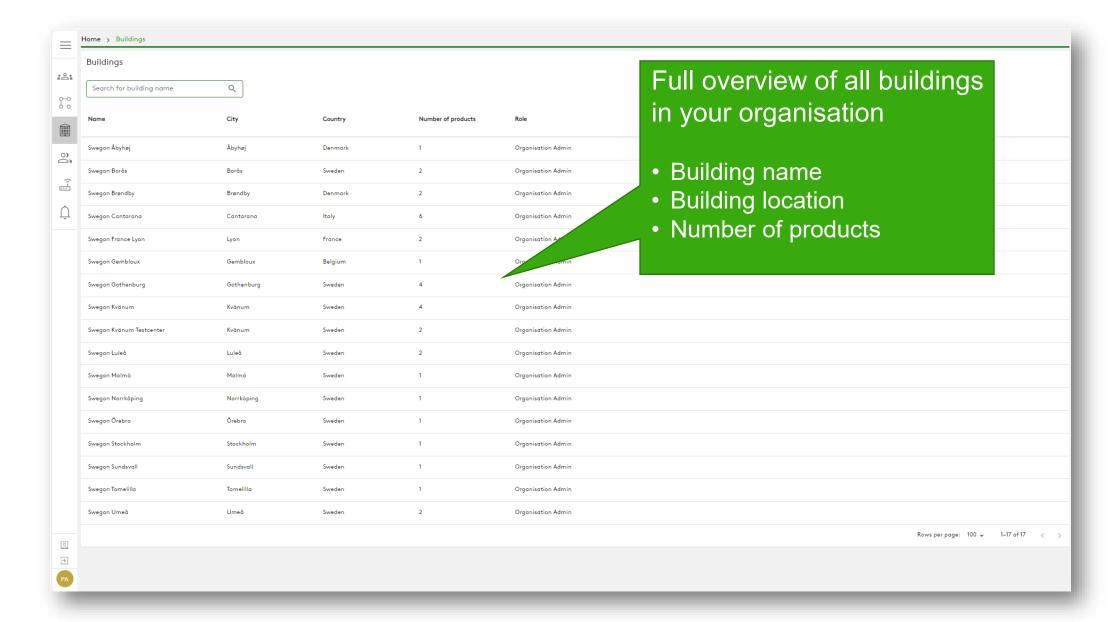
INSIDE Portal - Alarm subscriptions

Select which alerts you want to be notified of via email



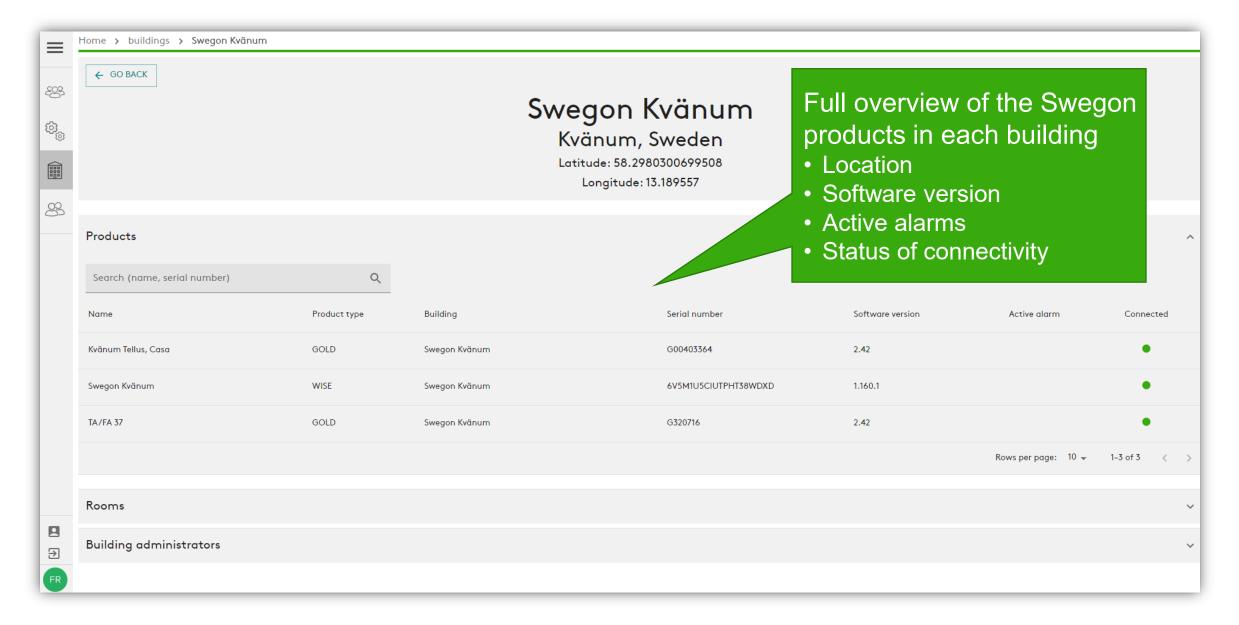


INSIDE Portal: Overview of connected units



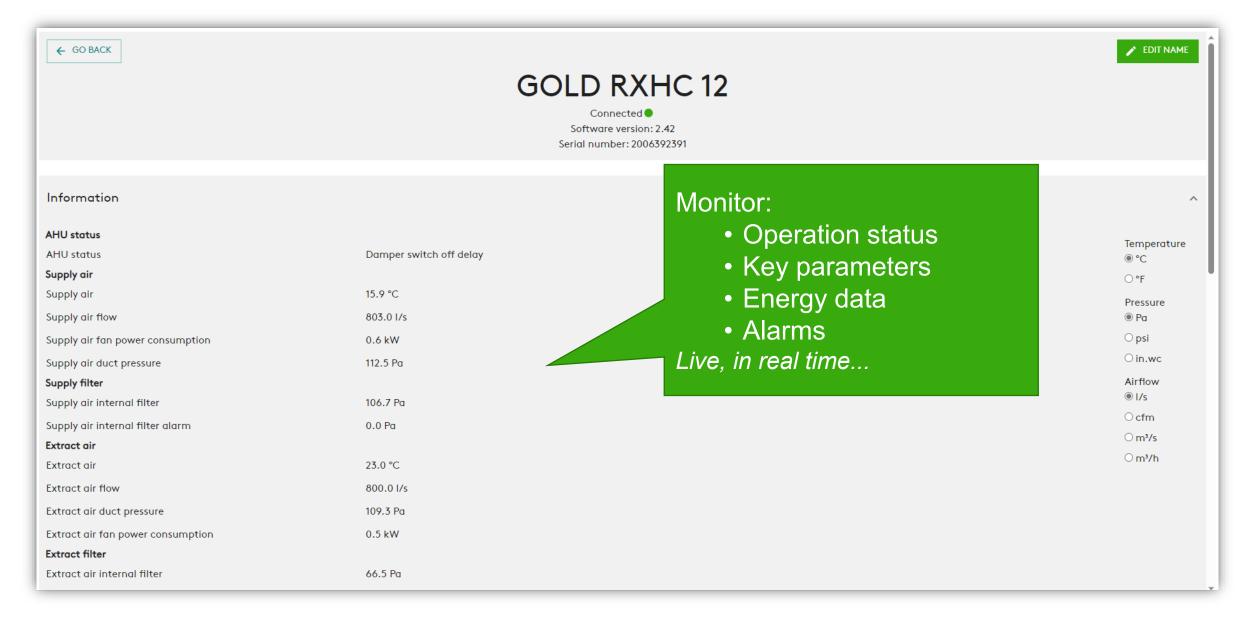


INSIDE Portal: Overview of connected units



INSIDE Portal: Monitor performance





INSIDE Portal: Monitor performance

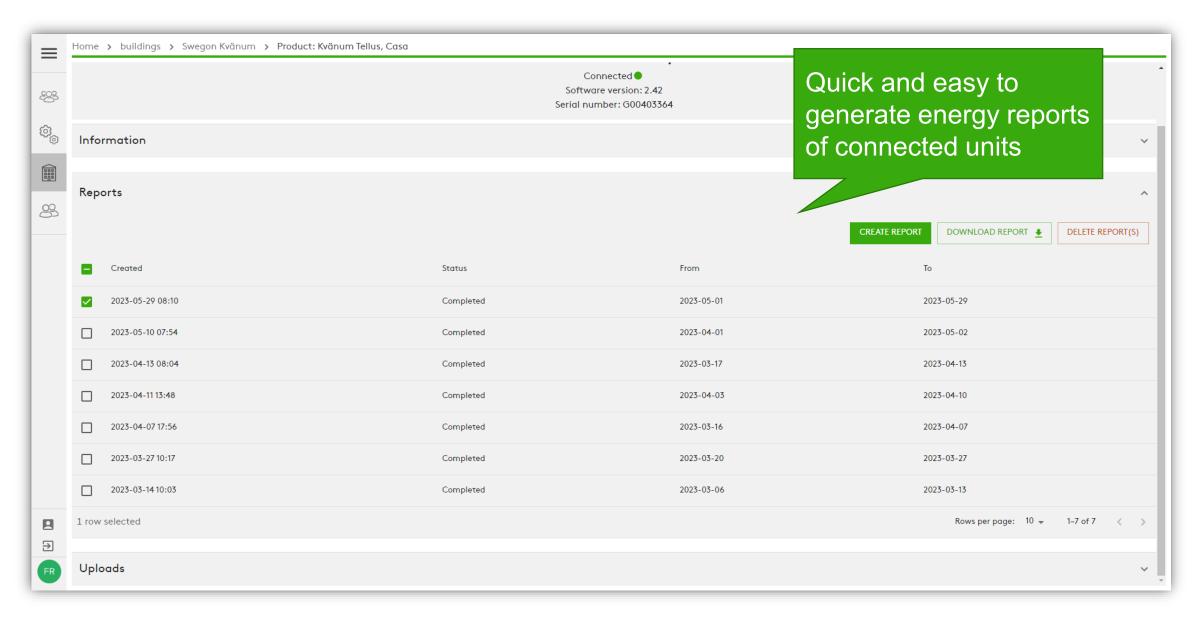
Alarm priority B triggered



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 installat	ion 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		Detailed information about
Supply air fan energy consumption since unit installation	4.2 MWh		active alarms
Extract air fan energy consumption	1.2 MWh		active alaims
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	Alarms	
Cool energy consumption since unit installation	4.1 MWh	Name	Raised at
Alarms		Info 98:7 Extract air air handling unit filter calibration not performed	2023-07-19 07:24
Alarm priority A triggered	0	Info 98:5 Supply air air handling unit filter calibration not performed	2023-07-19 07:24

INSIDE Portal: Energy report



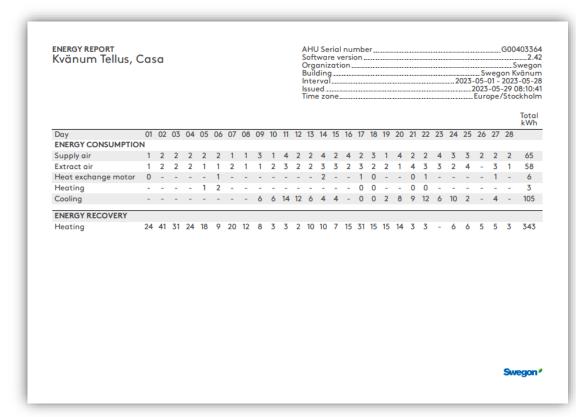


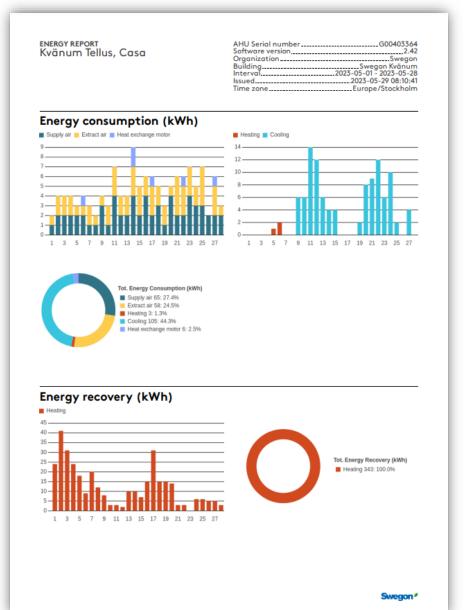


Energy report

Analyse performance

Generate energy reports using preferred time interval and detail level.

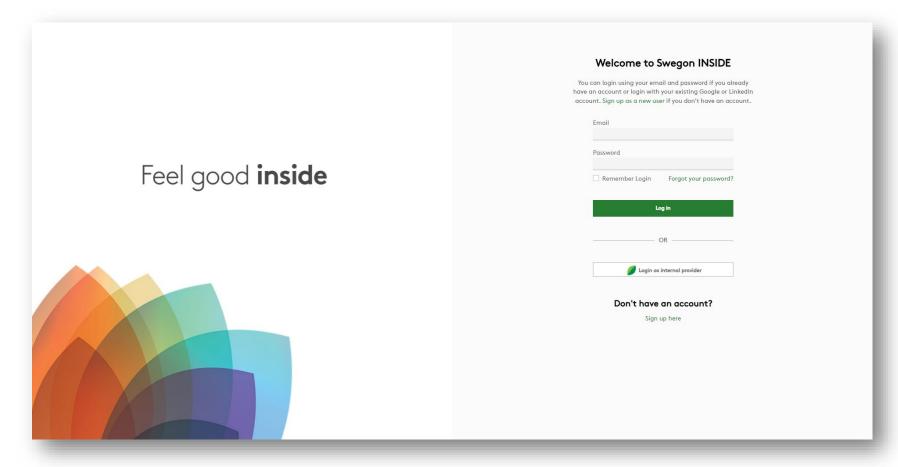






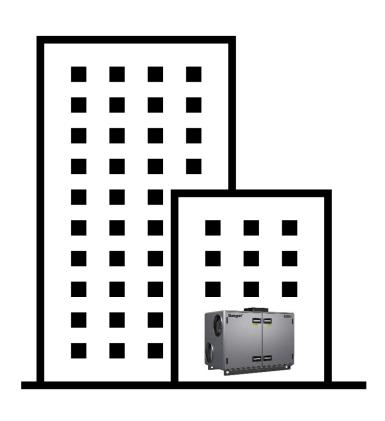
INSIDE Portal: Log in

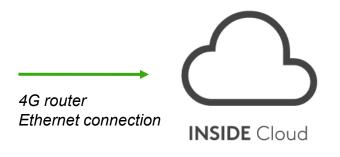
Log in to INSIDE Portal: https://inside.swegon.com/





Several ways to monitor GOLD





Swegon INSIDE

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



INSIDE Connect (in INSIDE Portal)

- Access to GOLD internal webpage

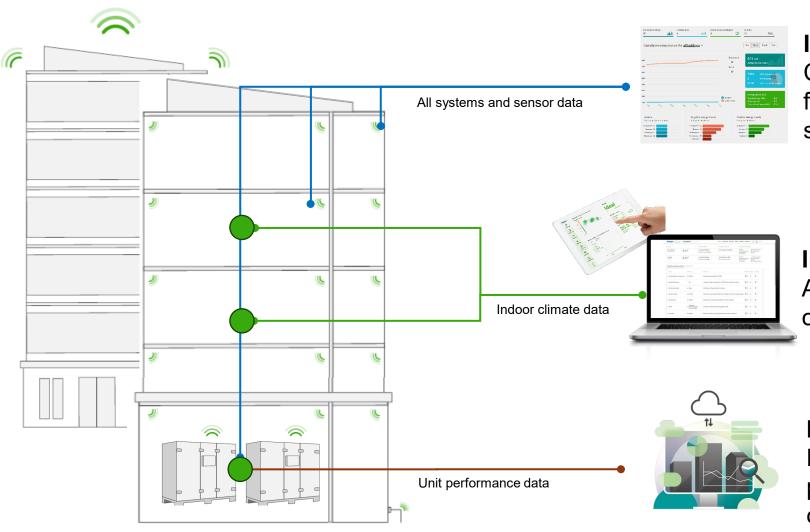


At the unit

- 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 / INSIDE Manager

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





Feel good **inside**

