

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

Got startod

Oet sturteu.					
1. Request access to INSIDE Portal	~				
2. Claim product/make your product INSIDE Ready (Retrofit only)	~				
3. Go to INSIDE Portal	~				

lest decess	to INSIDE Portal	^
	Enter details below to request a login.	
	If you already have an account and wish to add a new product or building, please contact digitalservices@swegon.com	
	Account information	
	Email (will be used as username)*	
	First name*	
	ast name*	
	Company name*	
	Building and product information	
	Please Select 🗸	
	Serial number of product*	
	Building name*	
	Building address*	
	City*	
	Countrait	
	Country* Please Select 🗸	
	Country* Please Select v Swegon needs the contact information you provide to contact you about the requested service. You may unsubscribe from these communications at anytime. For information on how to unubscribe, as well as our privacy protices and commitment to protecting your privacy, check out our Privacy Pilop.	
	Country* Please Select Swegon needs the contact information you provide to contact you obout the requested enrice. You may unsubscribe from these communications at anytime. For information on how to unsubscribe, as well as our privacy, check out our Privacy Policy. Psychod by sc2/PTCHA Contact Cont	



1. Log in to INSIDE Portal

Swegon INSIDE Portal

<u>https://inside.swegon.com</u>

Welcome to Swegon INSIDE

You can login using your email and password if you already have an account or login with your existing Google or LinkedIn account. Sign up as a new user if you don't have an account.

	Email
	Password
Feel good inside	Remember Login Forgot your password?
	Log in
	OR
	💋 Login as internal provider
	Don't have an account?
	Sign up here



2. Go to building page

≡	Home > Organisations > Company Na	me					
	← GO BACK					EDIT ORGANIS.	ATION
0-0 0 0			Company	/ Name			
	Buildings						^
0	Search for building name	Q					
((-]:]	Name	City	Country	Number of products	Role		
Û	Head Office	Stockholm	Sweden	0	Organisation Admin		
	\smile				Rows per page: 100) 👻 1–1 of 1	$\langle \rangle$
	Organisation administrators						~
	App users						~



3. Press "Claim product"

=	Home > Buildings > Head Office						
	← GO BACK						
·>				Head Office			
00				Stockholm, Sweden			
				Latitude: 59.52576641996 Longitude: 18.070390739956			
00							
; (,_;	Products						^
Û	Search (name, serial number)	Q					+ CLAIM PRODUCT
	Name 🛧	Product type	Building	Serial number	Software version	Active alarm	Connected
	Sorry, no matching records found						
						Rows per page:	100
	Building administrators						
© →							
PA							



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.

≡	Home > Buildings > Head Office	
	 GO BACK GO BACK GO BACK Head Office Stockholm, Sweden Latitude: 59.32576641998 Longitude: 18.070390739956 	
	Claim product(s) × Search (name, serial number) Q Claim the product to connect it to your building and start benefiting claim the product to connect it to your building and start benefiting claim the product did deviated and start benefiting claim the product of the product did deviated and start benefiting claim the product of the product	+ CLAIM PRODUCT
	Name () Product type B Software value Sorry, no matching records found Serial number (s) Image: Serial number (s) Image: Serial number (s) Building administrators SUBMIT SUBMIT	rsion Active olarm Connected Rows per page: 100 - 0-0 of 0 < >



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.

≡	Home > Buildings > Head Office		
	← GO BACK		
		Head Office	
00		Stockholm Sweden	
		Claim product(s) X	
0		Once you have activated INSIDE on your INSIDE Ready product, you can claim the product to connect it to your building and start benefiting	
(Products	from our digital services.	^
Û	Search (name, serial number) Q	Serial number(s)	+ CLAIM PRODUCT
	Name 1 Product type Bu		Software version Active alarm Connected
	Sorry, no matching records found	The serial number can be found on the product's internal website under the 'Communication' tab	
		Name The following product(s) needs a name to be able to be added to the building.	Rows per page: 100 + 0-0 of 0 < >
	Building administrators	111111111 GOLD name *	~
		1122112211 GOLD name*	
		V SUBMIT	
2			
PA			



6. Now you have successfully claimed your products.

≡	Home > Buildings > Head Office						
• <u></u>	← GO BACK						
ç− 0			Head	Office			
0 0			Stockho Latitude:	Im, Sweden 59.32576641998			
			Longitude:	18.070390739956			
	Products						<u>^</u>
((-¦::]							
Û	Search (name, serial number)	Q					+ CLAIM PRODUCT
	Name 个	Product type	Building	Serial number	Software version	Active alarm	Connected
	GOLD1	GOLD	Head Office	111111111			•
	GOLD2	GOLD	Head Office	1122112211			•
						Rows per page	: 100 👻 1–2 of 2 < >
	Building administrators						~
0							
PA							



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).

=	Home > Buildings > Head Office							
	← GO BACK							
# `` 1	Head Office							
0-0			Stockho	olm, Sweden				
			Latitude: Longitude	: 59.32576641998 : 18.070390739956				
0								
((-]:	Products							^
Û	Search (name, serial number)	Q					+ CLAIM PRODUC	a
	Name 🛧	Product type	Building	Serial number	Software version	Active alarm	Connected	
	GOLD1	GOLD	Head Office	111111111			٠	
	GOLD2	GOLD	Head Office	1122112211			•	
						Rows per pag	e: 100 🚽 1-2 of 2 <	>
	Building administrators							~
0								
∋								
PA								



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.

=	Home > Buildings > Head Office							
	← GO BACK							_
				Head Office				- 1
60				Stockholm, Sweden				- 1
				Latitude: 59.32576641998 Longitude: 18.070390739956				- 1
0								-
(^-]:	Products							^
Ů	Search (name, serial number)	Q,					+ CLAIM PR	RODUCT
	Name 🛧	Product type	Building	Serial number	Software version	Active alarm	Connected	- 1
(GOLD1	GOLD	Head Office	111111111			٠	
	GOLD2	GOLD	Head Office	1122112211			•	- 1
						Rows per pag	ge: 100 👻 1–2 of 2	$\langle \rangle$
	Building administrators							~
	-							
PA								



2. Press the button "MAKE INSIDE READY".

=	Home > Buildings > Head Office > Product: GOLD1
	← GO BACK + MAKE INSIDE READY → EDIT NAME
	GOLD1
0-0	Not connected Software version: -
	Serial number: 111111111
0	Reports
(;- <u> :</u>	Active alarms
Ů	
o] ↑	
PA	



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

_	Home > Organisations > Company Name > Building; Head Office > Pro	iduct: GOLD1			
0	Reports		~		
	Active alarms	Make INSIDE Ready Making your product INSIDE Ready is the first step to benefit from Swegon's digital services. INSIDE Ready means that the product has capability to securely connect and deliver data to the Swegon INSID Cloud. Read more and see the requirements here MAC address * SUBMIT	× sthe DE		



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!

	Howas & Organizations & Pennany Name & Building Head Office & Devolution (2010)	
=	+ MAKE INSIDE READY	
0-0 0-0	GOLD1 Not connected Software version: -	Communication 5-6 3 4 C
G	Serial number: 111111111	External Port B
0	Reports	Swegon INSIDE Serial number 96
(^-[:	Active alarms	Swegon Connect Swegon INSIDE ON O
Û	Activation code generated × Product serial number: 11111111 ID: 3100201 Activation code: 9220324716208672	E:mail Certificate status EIA-485 Modbus TCP BACost UP
	Product type: GOLD Installation Validity period: 2024-08-13 to 2024-08-19 Moke sure to copy the generated code before closing COPY AND CLOSE	Exciler IP Exciler TCP Operation level communication Web encryption
0		
~ 		
PA		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.

=	Home > Buildings > Head Office							_
	← GO BACK							
			Head	d Office				- 1
0 0			Stockho	olm, Sweden				- 1
			Latitude: Longitude	59.32576641998 : 18.070390739956				- 1
0								- 1
(;-];	Products							^
Û	Search (name, serial number)	Q					+ CLA	IM PRODUCT
	Name 🛧	Product type	Building	Serial number	Software version	Active alarm	Connected	_
	GOLD1	GOLD	Head Office	111111111		(•	
	GOLD2	GOLD	Head Office	1122112211			•	ノー
						Rows per pag	ge: 100 👻 1-2 of	2 < >
	Building administrators							~
0								
→ PA PA								
							_	_

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

=	Home	> Alarm subscriptions							
	Мус	alarm subscriptions (D						
<u>,~</u>	Sea	irch for any keyword	Q						DELETE SELECTED + ADD ALARM SUBSCRIPTION
		Product name	Notify at (severity) 😳	Building name	City 🝸	Country T	Product type	Organisation	
0)		Kv Målet 1, Umeå	АВ	Swegon Umeå	Umeå	Sweden	SuperWISE	Swegon	
		Åbyhøj GOLD	В	Swegon Åbyhøj	Åbyhøj	Denmark	GOLD	Swegon Denmark	
		Zeta Sky Hi R7 (R32)	A	Swegon Cantarana	Cantarana	Italy	BlueBox Chiller/Heatpump	Swegon	
Û		Titan Sky Hi RO HP	A	Swegon Cantarana	Cantarana	Italy	BlueBox Chiller/Heatpump	Swegon	
		GEYSER Sky R0 (R290)	A	Swegon Cantarana	Cantarana	Italy	BlueBox Chiller/Heatpump	Swegon	
		Epsilon Sky Hi	A	Swegon Cantarana	Cantarana	Italy	BlueBox Epsilon SKY	Swegon	
		Boställsvägen 1 Örebro	А в 🚺	Swegon Örebro	Örebro	Sweden	SuperWISE	Swegon	
		SWEGON BUREAU	А В 🚺	Swegon France Lyon	Lyon	France	SuperWISE	Swegon	
		Zeta Rev	A	Swegon Cantarana	Cantarana	Italy	BlueBox Chiller/Heatpump	Swegon	
		TA/FA 73	A B 1	Swegon Kvänum	Kvänum	Sweden	GOLD	Swegon	
		OPEN SPACE	A	Swegon Cantarana	Cantarana	Italy	GOLD	Swegon	

2



INSIDE Portal - Alarm subscriptions

Select which alerts you want to be notified of via email

	Home	> Alarm subscriptions									
:0:	My o	larm subscriptions (0	Add alarm subscript	tions					;	×
	Sec	rch for any keyword	Q								EDIT SELECTED + ADD ALARM SUBSCRIPTION
		Product name	Notify at (seve	Product name	Notify at (severity) 🛈	Building name	City T	Country T	Product type T	Organisation	Î
Do		Zeta Sky Hi R7 (R32)		Boställsvägen 1 Örebro	A 🗆 B 🗆 🚺 🗆	Swegon Örebro	Örebro	Sweden	SuperWISE	Swegon	
(î-		Titan Sky Hi RO HP	A								
		GEYSER Sky R0 (R290)	A	SWEGON BUREAU	Δ 🗆 🖪 🗌 🔲	Swegon France Lyon	Lyon	France	SuperWISE	Swegon	
Ļ		Epsilon Sky Hi		TA/FA 73	A 🗆 B 🗆 🚺 🗆	Swegon Kvänum	Kvänum	Sweden	GOLD	Swegon	
		OPEN SPACE		Åbyhøj GOLD	A 🗆 B 🗆 🔳 🗆	Swegon Åbyhøj	Åbyhøj	Denmark	GOLD	Swegon Denmark	
				Kv Målet 1, Umeå	A 🛛 B 🗌 🚺 🗌	Swegon Umeå	Umeå	Sweden	SuperWISE	Swegon	
				TA 12	A 🗆 B 🗌 🔲 🗆	Swegon Gothenburg	Gothenburg	Sweden	GOLD	Swegon	•
				GOLD 2005646491	А 🗆 В 🗆 🚺 🗆	Swegon Sundsvall	Sundsvall	Sweden	GOLD	Swegon	
				Swegon - Brøndby	A 🗆 B 🗆 🚺 🗆	Swegon Brøndby	Brøndby	Denmark	SuperWISE	Swegon Denmark	
				Swegon Malmö	А. В. І.	Swegon Malmö	Malmö	Sweden	SuperWISE	Swegon	
				Swegon Goteborg	A 🗆 B 🗌 🚺 🗆	Swegon Gothenburg	Gothenburg	Sweden	SuperWISE	Swegon	
				LB03 Luleà	A 🗆 B 🗆 🚺 🗆	Swegon Luleå	Luleà	Sweden	GOLD	Swegon	
				GOLD Umeå	A 🛛 B 🗌 🚺	Swegon Umeå	Umeå	Sweden	GOLD	Swegon	
				Norrköning kontor		Sweaph Norrköning	Norrköping	Sweden	SuperWISE	Swegon	·
PA											

INSIDE Portal: Overview of connected units

Home > Buildings					
Buildings					
Search for building name	Q				Full overview of all building
Name	City	Country	Number of products	Role	in your organisation
Swegon Åbyhøj	Åbyhøj	Denmark	1	Organisation Admin	
Swegon Borås	Borås	Sweden	2	Organisation Admin	 Building name
Swegon Brøndby	Brendby	Denmark	2	Organisation Admin	Building location
Swegon Cantarana	Cantarana	Italy	6	Organisation Admin	Number of producto
Swegon France Lyon	Lyon	France	2	Organisation A	• Number of products
Swegon Gembloux	Gembloux	Belgium	1	Ore termin	
Swegon Gothenburg	Gothenburg	Sweden	4	Organisation Admin	
Swegon Kvänum	Kvänum	Sweden	4	Organisation Admin	
Swegon Kvänum Testcenter	Kvänum	Sweden	2	Organisation Admin	
Swegon Luleå	Luleå	Sweden	2	Organisation Admin	
Swegon Malmö	Malmö	Sweden	1	Organisation Admin	
Swegon Norrköping	Norrköping	Sweden	1	Organisation Admin	
Swegon Örebro	Örebro	Sweden	1	Organisation Admin	
Swegon Stockholm	Stockholm	Sweden	1	Organisation Admin	
Swegon Sundsvall	Sundsvall	Sweden	1	Organisation Admin	
Swegon Tomelilla	Tomelilla	Sweden	1	Organisation Admin	
Swegon Umeå	Umeå	Sweden	2	Organisation Admin	

Swegon⁴

INSIDE Portal: Overview of connected units

=	Home 🔸 buildings 🔸 Swegon Kvänum							nnected
	← GO BACK			Swegon Kvänum Kvänum, Sweden Latitude: 58.2980300699508 Longitude: 13.189557	Full overview of products in ea • Location • Software vers	of the Sweg ch building ion	on	
222	Products				 Active alarms Status of conr 	nectivity		^
	Search (name, serial number)	Q						
	Name	Product type	Building	Serial number	Software version	Active alarm	Connecte	∍d
	Kvänum Tellus, Casa	GOLD	Swegon Kvänum	G00403364	2.42		•	
	Swegon Kvänum	WISE	Swegon Kvänum	6V5M1U5CIUTPHT38WDXD	1.160.1		•	
	TA/FA 37	GOLD	Swegon Kvänum	G320716	2.42		•	
						Rows per page: 10 👻	1–3 of 3	< >
	Rooms							~
₽	Building administrators							~
FR								

Swegon⁴

INSIDE Portal: Monitor performance



Swego

INSIDE Portal: Monitor performance

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

	0.0 kW		
	1.4 kW/m³/s		
	0.0 %		
	0.0 kW		
	0.0 %		
t installation	0.2 MWh		
	12.0 MWh		
llation	16.1 MWh		
	59.6 MWh		
ion	8.4 MWh		
	1.3 MWh		
	59.2 MWh	Detailed information about	
ation	4.2 MWh	active alarms	
	1.2 MWh		
n	8.6 MWh		
	0.0 kW		
ation	4.2 MWh		
	0.5 MWh		
	2.6 MWh	Alarms	
	0.0 MWh		
	4.1 MWh	Name Raised at	
	0	Info 98:7 Extract air air handling unit filter calibration not performed 2023-07-19 07:24	
	0	Info 98:5 Supply air air handling unit filter calibration not performed 2023-07-19 07:24	
	· •		

Swegon

INSIDE Portal: Energy report



=	Home > buildings > Swegon Kvänum > Product: Kvänum Tellus, Casa			
£03		Ser	Connected Software version: 2.42 rial number: G00403364	Quick and easy to generate energy reports
¢,	Information			of connected units
80	Reports			
	- Created	Status	From	CREATE REPORT DOWNLOAD REPORT DELETE REPORT(S)
	2023-05-29 08:10	Completed	2023-05-01	2023-05-29
	2023-05-10 07:54	Completed	2023-04-01	2023-05-02
	2023-04-13 08:04	Completed	2023-03-17	2023-04-13
	2023-04-11 13:48	Completed	2023-04-03	2023-04-10
	2023-04-07 17:56	Completed	2023-03-16	2023-04-07
	2023-03-27 10:17	Completed	2023-03-20	2023-03-27
	2023-03-14 10:03	Completed	2023-03-06	2023-03-13
	1 row selected			Rows per page: 10 👻 1–7 of 7 < >
€ FR	Uploads			~



Energy report Analyse performance

Generate energy reports using preferred time interval and detail level.

energy report Kvänum Tellus, Casa										AHU Serial number Software version Organization Building Interval Issued Time zone											G00403364 2.42 Swegon Swegon Kvänum 2023-05-12 2023-05-28 2023-05-29 08:10:41 Europe/Stockholm											
Davi	01	02	07	04	05	06	07	08	00	10	11	12	17	14	15	16	17	10	10	20	21	22	27	24	25	24	27	20	kWh			
ENERGY CONSUMPTIO	N	02	05	04	05	00	0/	08	09	10	11	12	15	14	15	10	1/	18	19	20	21	22	25	24	25	20	21	28				
Supply gir	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	-	1	-	-	-	-	-	2	-	-	1	0	-	2	0	1	-	-	-	-	1	2	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







Feel good **inside**

