

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 startad

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

est access	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*	
	Last name*	
	Company name*	
	Building and product information	
	Choose product* Please Select	
	Serial number of product*	
	Building name*	
	Building address*	
	City*	
	Country*	
	Please Select 🗸	
	Swegan needs the contact information you provide to contact you about the requested service. You may unableafies from these communications are starytime. For information on how to unsubscribe, as well as our privacy practices and examitment to protecting your privacy, check out our Privacy Policy.	
	protected by reCAPTCHA Preasy-Terms	
	SUBMIT	



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			
0-0				Stockholm, Sweden			
				Latitude: 59.32576641998 Longitude: 18.070390739956			
0							
((-[:]	Products						^
Û	Search (name, serial number)	Q					+ CLAIM PRODUCT
	Name \uparrow	Product type	Building	Serial number	Software version	Active alarm	Connected
	Sorry, no matching records found						
						Rows per page:	100 0−0 of 0 < >
	Building administrators						~
o ↑							
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		
-01	← GO BACK		
0-0		Head Office	
		Stockholm, Sweden Latitude: 59.32576641998	
00		Longitude: 18.070390739956	_
[]-,)	Products	Claim product(s) X	^
Ů	Search (name, serial number) Q	Once you have activated INSIDE on your INSIDE Ready product, you can claim the product to connect it to your building and start benefiting from our digital services.	+ CLAIM PRODUCT
	Nome 🛧 Product type B		Software version Active alarm Connected
	Sorry, no matching records found	_ Serial number(s)	
		The serial number can be found on the product's internal website under the 'Communication' tab	Rows per page: 100 🐱 0-0 of 0 < >
	Building administrators	V SUBMIT	~
PA			



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				
6	← GO BACK				
0-0 0 0		Head Office			
		Claim product(s)			
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
	Nome 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						
	← GO BACK						
0-0				Office			
-				Im, Sweden 59.32576641998			
				18.070390739956			
Do	Products						^
((- <mark> :</mark>							
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							
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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							
. 0 .	← GO BACK							
<u></u>			Head	dOffice				
0-0				lm, Sweden				
				18.070390739956				
0								
:;;	Products							^
Û	Search (name, serial number)	Q					+ CLAIM PRODUCT	
	Name 🛧	Product type	Building	Serial number	Software version	Active alarm	Connected	
	GOLD1	GOLD	Head Office	111111111			•	
	GOLD2	GOLD	Head Office	1122112211			•	
						Rows per pag	e: 100 👻 1–2 of 2 <	>
	Building administrators							~
0								
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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							_
* 2 *				Head Office				- 1
0-0 0 0				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							~
	-							
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2. Press the button "MAKE INSIDE READY".

=	Home > Buildings > Head Office > Product: GOLD1
	← GO BACK + MAKE INSIDE READY → EDIT NAME
	GOLD1
	Not connected Software version: -
	Serial number: 111111111
0	Reports ~
((-]:	Active alarms
Ů	
o ↑	
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3. Type in the product's MAC address and press submit.

_	Home > Organisations > Company Name > Building: Head Office > Pro	iduct: GOLD1					
	€ GO BACK AKE INSIDE READY ► EDIT NAME GOLD1 Not connected ● Software version : Serial number: 111111111						
0	Reports		~				
		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					



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!

=	Home > Organisations > Company Name > Building: Head Office > Product: GOLD1	
:2: 	GOLD1 Not connected • Software version - Serial number: 11111111	Communication Surger 12:40 2023-05:29 GOLD RX 12/12 External Port B
<u>Ĵ</u> c	Reports	Swegon INSIDE Serial number 96
(::	Active alarms	Swegon Connect Swegon INSIDE Or OR <tho< th=""></tho<>
<u></u>	Activation code generated × Product serial number: 111111111 ::: 31000201 Activation code: 920034716208672 Product type: GOLD Installation Validity period: 2024-08-13 to 2024-08-19 Validity period: 2024-08-19	E-mail Certificate status EIA-485 Certificate status Modbus TCP Retrofit status BACnet IP Certificate ID Exoline TCP Activation code Operation level communication Activate
		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							
0-0				d Office				
				olm, Sweden : 59.32576641998				
0			Longitude	:18.070390739956				
Ē-,) <u></u>	Products							~
Ļ	Search (name, serial number)	Q					+ CLAIN	M PRODUCT
—	Name 🛧	Product type	Building	Serial number	Software version	Active alarm	Connected	
	GOLD1	GOLD	Head Office	11111111		(•	
	GOLD2	GOLD	Head Office	1122112211			•	
						Rows per pag	ge: 100 🚽 1–2 of 2	2 < >
	Building administrators							~
								_
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

	My al	larm subscriptions (D							
	Sear	rch for any keyword	Q						Telete selected Pedit selected + ADD A	ALARM SUBSCRIPTION
(Product name	Notify at (severity) 🛈	Building name	City T	Country T	Product type	Organisation 🕎		
(Kv Målet 1, Umeå	В	Swegon Umeå	Umeå	Sweden	SuperWISE	Swegon		
		Åbyhøj GOLD	AB	Swegon Åbyhøj	Åbyhøj	Denmark	GOLD	Swegon Denmark		
(Zeta Sky Hi R7 (R32)	A	Swegon Cantarana	Cantarana	Italy	BlueBox Chiller/Heatpump	Swegon		
(Titan Sky Hi R0 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	A B 1	Swegon Örebro	Örebro	Sweden	SuperWISE	Swegon		
(SWEGON BUREAU	A B 1	Swegon France Lyon	Lyon	France	SuperWISE	Swegon		
C		Zeta Rev	A	Swegon Cantarana	Cantarana	Italy	BlueBox Chiller/Heatpump	Swegon		
(TA/FA 73	A B 1	Swegon Kvänum	Kvänum	Sweden	GOLD	Swegon		
0		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

H	lome	> Alarm subscriptions										
	My a	Ilarm subscriptions (0	Add alarm subscript	tions						×	
	Sea	rch for any keyword	Q									EDIT SELECTED + ADD ALARM SUBSCRIPTION
		Product name	Notify at (seve	Product name	Notify at (severity) ①	Building name	City T	Country T	Product type	Organisation	Î	
		Zeta Sky Hi R7 (R32)	A		🗛 🗋 🖪 🔲 🚺 🗌							
•		Titan Sky Hi R0 HP	A	Boställsvägen 1 Örebro	A 🗌 B 🗌 🚺 🗌	Swegon Örebro	Örebro	Sweden	SuperWISE	Swegon		
-		GEYSER Sky R0 (R290)		SWEGON BUREAU	A 🗌 B 🗌 🚺 🗌	Swegon France Lyon	Lyon	France	SuperWISE	Swegon		
		Epsilon Sky Hi	A	TA/FA 73		Swegon Kvänum	Kvänum	Sweden	GOLD	Swegon		
		Zeta Rev	A			on gon wandin	wonum	Sweden		unuguri	_	
		OPEN SPACE	A	Åbyhøj GOLD	🗛 🗆 🖪 🔲 🚺 🗌	Swegon Åbyhøj	Åbyhøj	Denmark	GOLD	Swegon Denmark		
				Kv Målet 1, Umeå	A 🗌 B 🗌 🚺 🗌	Swegon Umeå	Umeà	Sweden	SuperWISE	Swegon		
				TA 12	A 🗆 B 🗆 🚺 🗆	Swegon Gothenburg	Gothenburg	Sweden	GOLD	Swegon		
				GOLD 2005646491	A 🗆 B 🗆 🔳 🗆	Swegon Sundsvall	Sundsvall	Sweden	GOLD	Swegon		
				Swegon - Brøndby	A 🗆 B 🗆 🚺 🗆	Swegon Brendby	Brøndby	Denmark	SuperWISE	Swegon Denmark		
				Swegon Malmö	🗛 🗆 🖪 🗖 🔲	Swegon Malmö	Malmö	Sweden	SuperWISE	Swegon		
				Swegon Goteborg	A 🗆 B 🗆 🔳 🗆	Swegon Gothenburg	Gothenburg	Sweden	SuperWISE	Swegon		
				LB03 Luleå	A 🗆 B 🗆 🔳 🗆	Swegon Luleå	Luleå	Sweden	GOLD	Swegon		
				GOLD Umeå	A 🗆 B 🗆 🔳 🗆	Swegon Umeå	Umeå	Sweden	GOLD	Swegon		
				Norrkönina kontor		Sweaph Norrköning	Norrköping	Sweden	SuperWISE	Swedon	-	
				🗸 SUBMIT								

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	
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							
	← GO BACK			Swegon Kvänum Kvänum, Sweden Latitude: 58.2980300699508 Longitude: 13.189557	Full overview of products in ea • Location • Software vers	ch building	on	
00	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/r
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 MW
Total Heat Cool energy consumption since unit installation	16.1 MW
Total energy recovery since unit installation	59.6 MV
Total air fan energy consumption since unit installation	8.4 MWI
Supply air fan energy consumption	1.3 MWł
Heat energy recovery since unit installation	59.2 MW
Supply air fan energy consumption since unit installation	4.2 MW
Extract air fan energy consumption	1.2 MWł
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 MWh
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 %			
nit installation	0.2 MWh			
	12.0 MWh			
tallation	16.1 MWh			
	59.6 MWh			
ation	8.4 MWh			
	1.3 MWh			
	59.2 MWh	Detailed information a	about	
Illation	4.2 MWh	active alarms		
	1.2 MWh			
ion	8.6 MWh			
	0.0 kW			
	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	
			Rows per page: 100 👻	1-2 of 2 < >

Swegon

INSIDE Portal: Energy report



20			Connected Software version: 2.42 Serial number: G00403364	Quick and easy to generate energy reports
	rmation			of connected units
Repo	orts			CREATE REPORT DOWNLOAD REPORT 🛨 DELETE REPORT(S)
	Created	Status	From	То
	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 $_{igstar}$ 1–7 of 7 $<$ >
	oads			~



Energy report Analyse performance

Generate energy reports using preferred time interval and detail level.

Kvänum Tellus, (Cas	sa											Soft Org Buil nte ssu	wai aniz ding rva ed	re v zati	ersion.	on							2	023-	Sv 05-1	veg 01 - -05	on k 202 -29	9403364 2.42 Swegon Kvänum 3-05-28 08:10:41 ockholm
																													Total kWh
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	
ENERGY CONSUMPTIO	N																												
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

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INSIDE Cloud
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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**

