GroSens 2.2: Cloud bridge installation

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Let's Start: Terms and Conditions
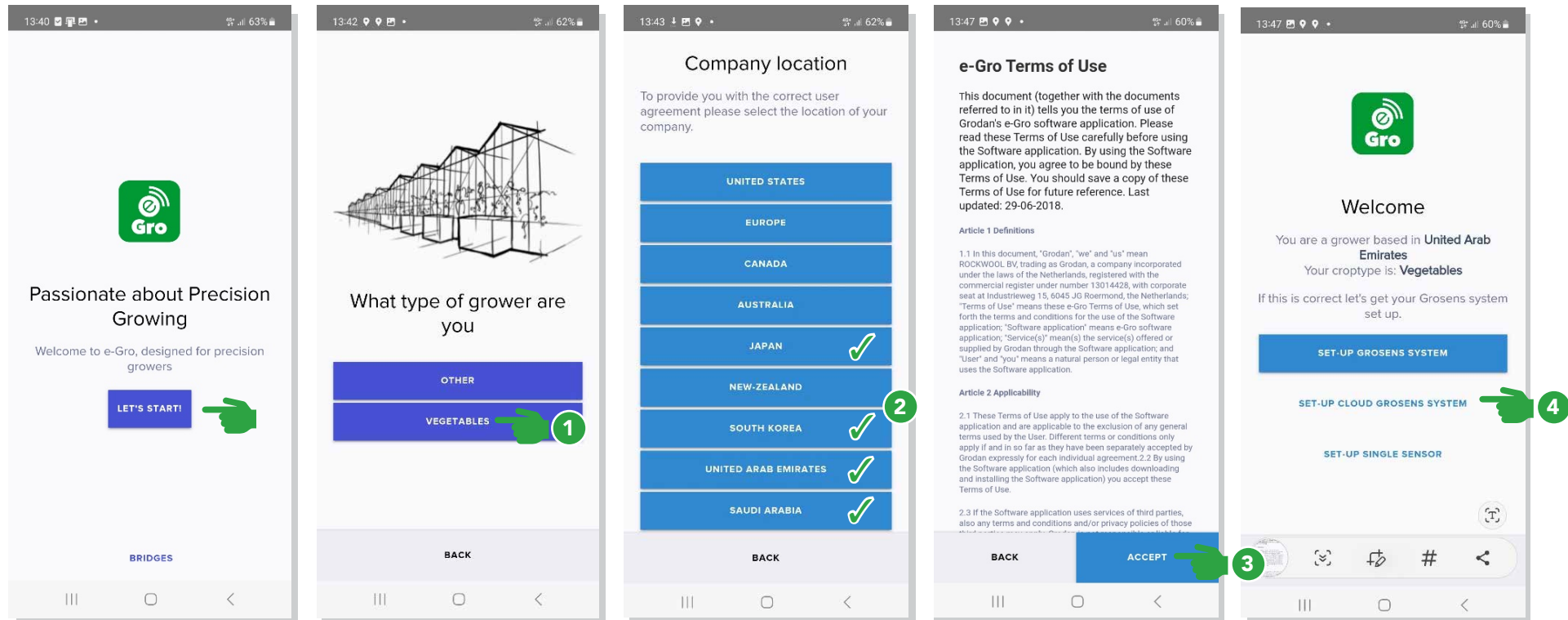
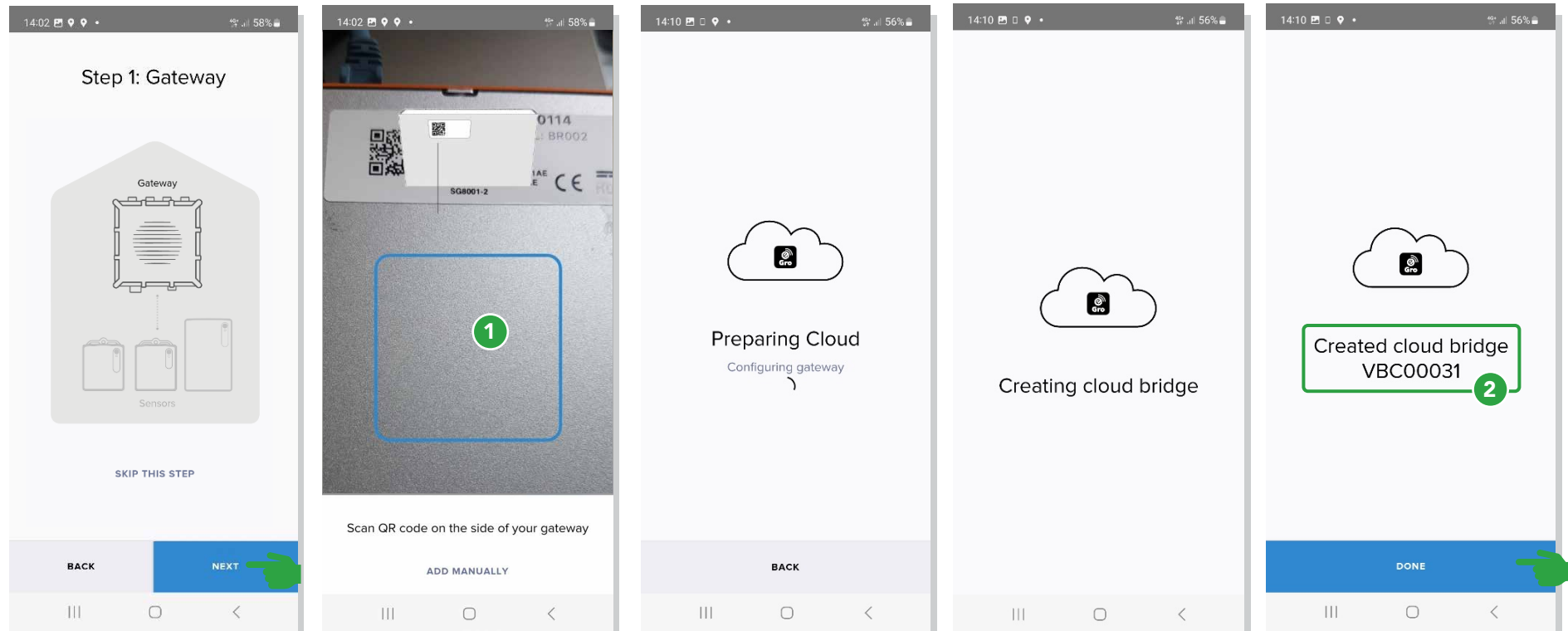|	
1 Select grower type: Vegetables (For vegetables, fruit and flower) Other (For medical crops market)	**3** Accept the Terms and Conditions
	4 Select set-up cloud grosens system
2 Select the region you are located. The Cloud Bridge is currently only supported in Japan, South Korea, United Arab Emirates and Saudi Arabia.	

Let's Start: System explanation

e-Gro, the revolutionary software platform that allows you to collect and combine the relevant data from your greenhouse and translate it into real-time insights for data-driven Precision Growing.

Facility

With the Grosens sensors you can monitor your crops. The sensors connect to the gateway via radio signals.

Office

The gateway send the sensor data to your bridge, your office or in the cloud

Once connected you can use the e-Gro app to get real-time insights and smart recommendations based on the root zone, climate, crop and harvest data

First the gateway need to be installed, then the bridge followed by the sensors

- Step 1: Gateway
- Step 2: Bridge
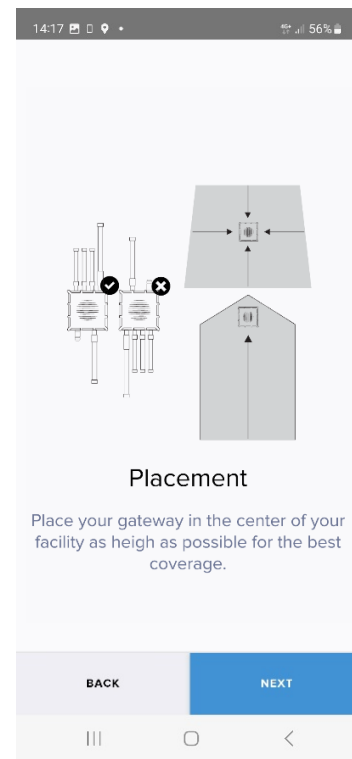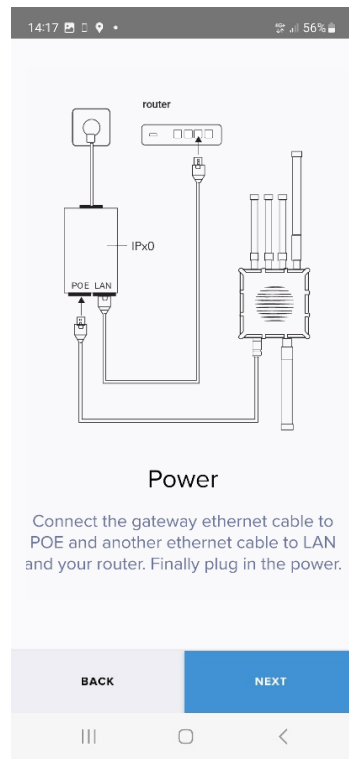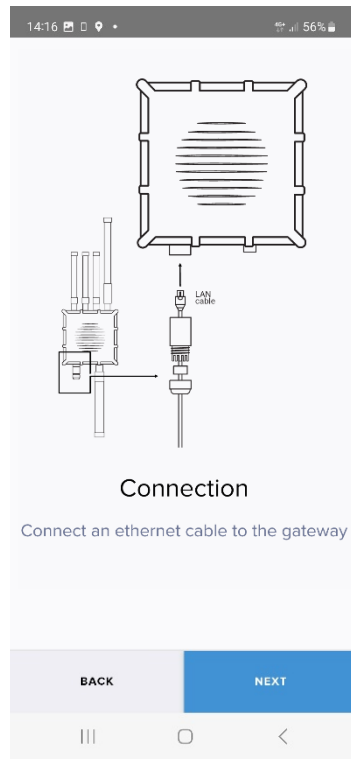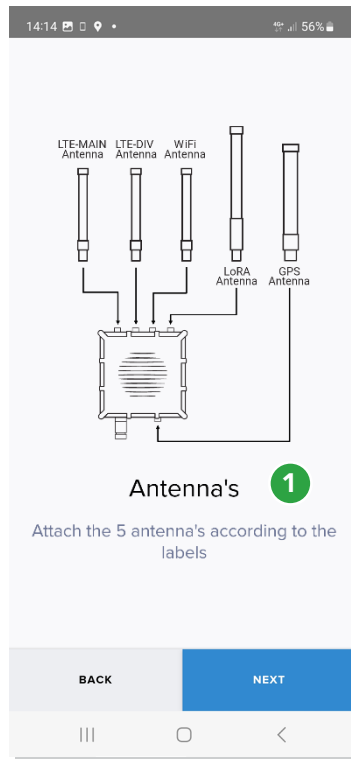- Step 3: Sensors

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Step 1: Gateway installation and cloud bridge creation

① Scan the QR code on the gateway. NOTE: Do not plug in ethernet/ power the gateway yet, that is a later step
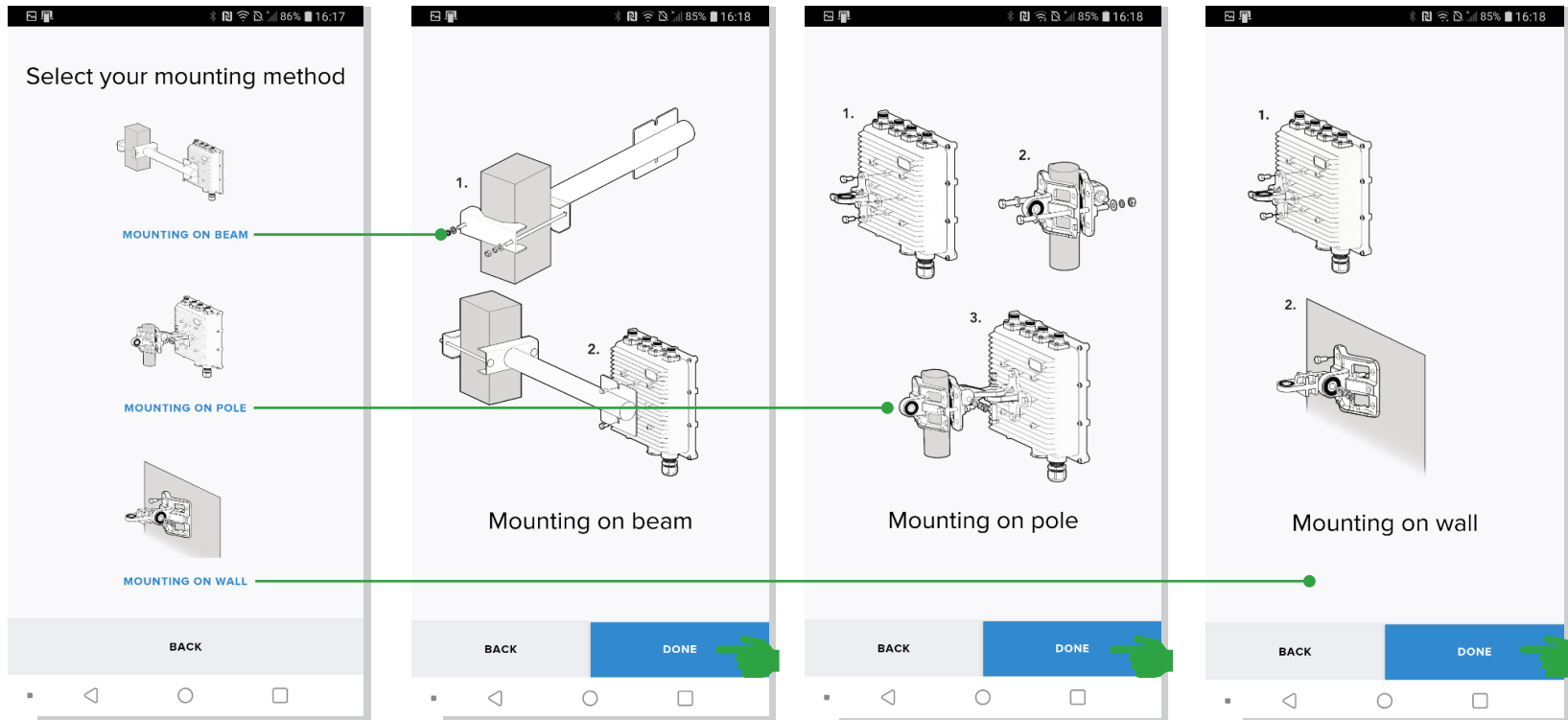
② The actual number of created cloud bridges varies.

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Step 1: Gateway installation

Antenna's ①

Attach the 5 antenna's according to the labels

LTE-MAIN Antenna LTE-DIV Antenna WiFi Antenna
LoRA Antenna GPS Antenna

BACK NEXT

Connection

Connect an ethernet cable to the gateway

LAN cable

BACK NEXT

Power

Connect the gateway ethernet cable to POE and another ethernet cable to LAN and your router. Finally plug in the power.

router
IPx0
POE LAN

BACK NEXT

Placement

Place your gateway in the center of your facility as heigh as possible for the best coverage.

BACK NEXT

Select your mounting method

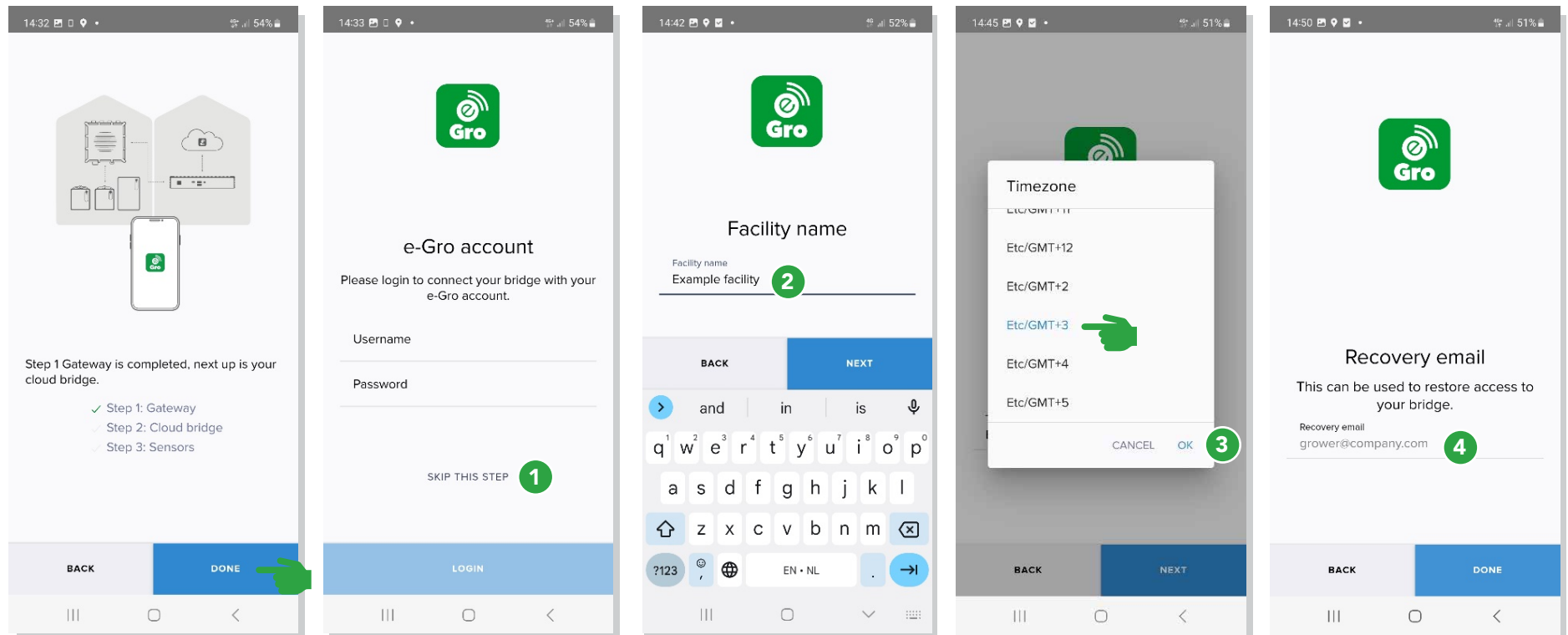MOUNTING ON BEAM

MOUNTING ON POLE

MOUNTING ON WALL

BACK

① Connect the antenna.
NOTE: 2 antennas are delivered with the gateway. Ideally, use the longest antenna.

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Step 1: Gateway installation

Select your mounting method
MOUNTING ON BEAM
MOUNTING ON POLE
MOUNTING ON WALL
BACK

Mounting on beam
BACK   DONE

Mounting on pole
BACK   DONE

Mounting on wall
BACK   DONE

7

Step 2: Cloud bridge installation

Step 1 Gateway is completed, next up is your cloud bridge.

✓ Step 1: Gateway
  Step 2: Cloud bridge
  Step 3: Sensors

e-Gro account

Please login to connect your bridge with your e-Gro account.

Username

Password

SKIP THIS STEP **1**

LOGIN

Facility name

Facility name
Example facility **2**

BACK   NEXT

Timezone

Etc/GMT+11
Etc/GMT+12
Etc/GMT+2
Etc/GMT+3
Etc/GMT+4
Etc/GMT+5

CANCEL   OK   **3**

BACK   NEXT

Recovery email

This can be used to restore access to your bridge.

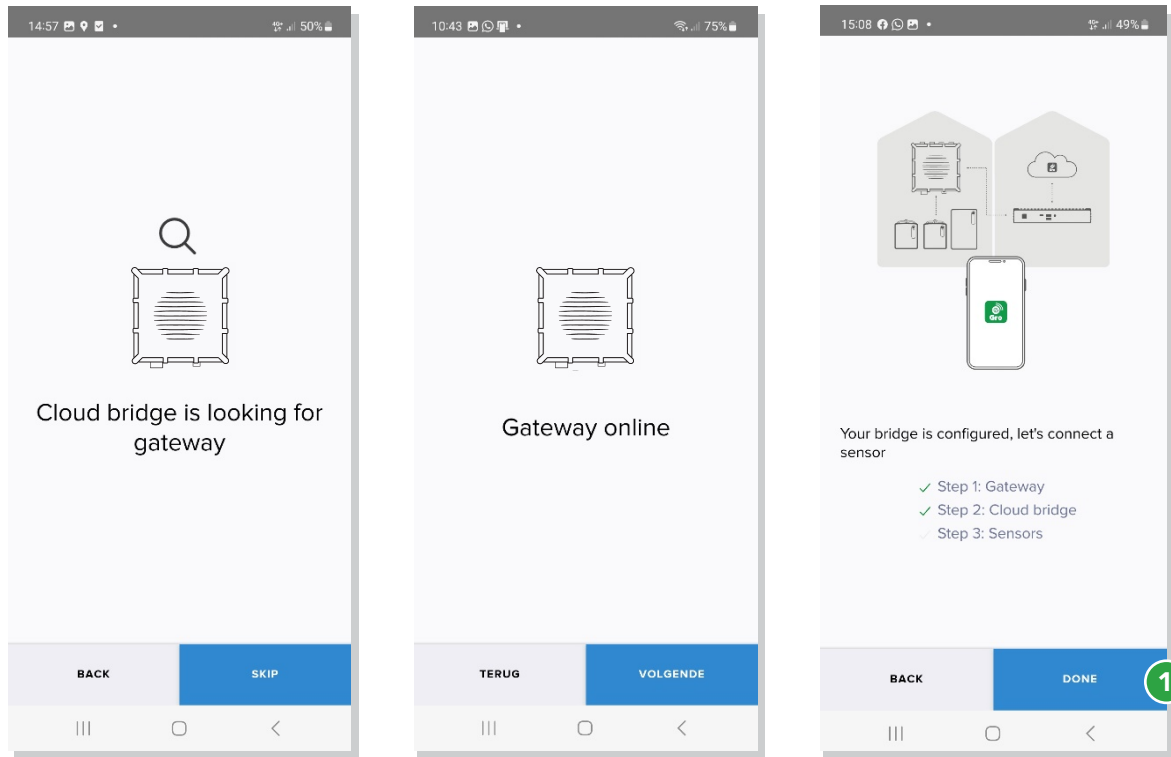Recovery email
grower@company.com **4**

BACK   DONE

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1 Optional: Connection to e-Gro account.
NOTE: if you have not subscribed to e-Gro you will skip this step

2 Enter facility name and press next
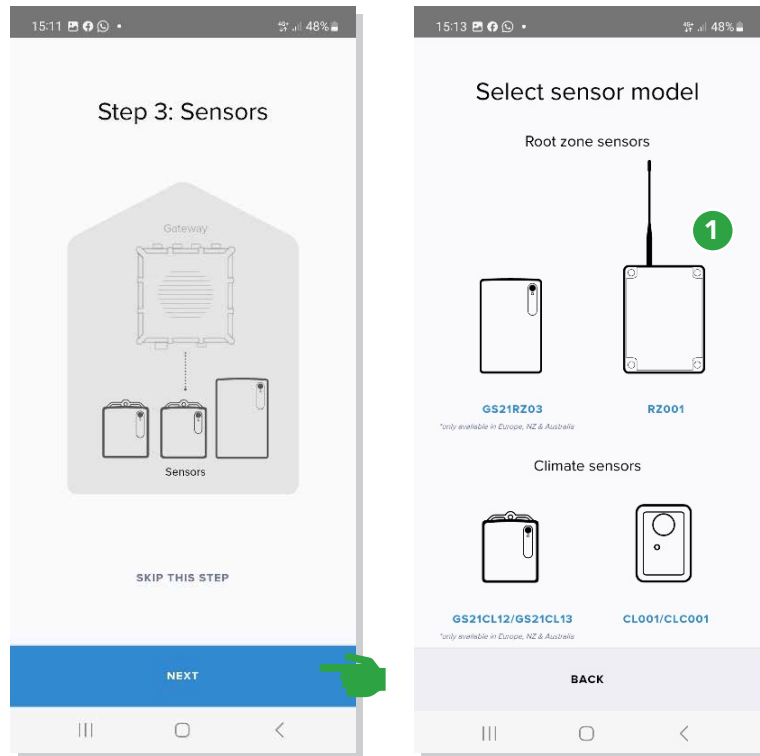
3 Select timezone, press OK and next

4 Enter your email address for recovery purposes. Note this is needed for events such as getting a new phone or when disconnected from the cloud bridge

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Step 2: Cloud bridge installation

Cloud bridge is looking for gateway

BACK   SKIP

Gateway online

TERUG   VOLGENDE

Your bridge is configured, let's connect a sensor

✓ Step 1: Gateway
✓ Step 2: Cloud bridge
  Step 3: Sensors

BACK   DONE   ①

① Select Done

Step 3: Add GroSens sensors

![Grodan logo]

Step 4: Create a room or zone

You have no rooms yet, let's create a room to allocate your sensor

CREATE NEW ROOM

Section type
Irrigation

Section name
Irrigation room 1

Growing medium
Stone wool

Substrate type
Grodan Vitaflor 75

BACK   SAVE

1 Name your room and select correct substrate type

The Grodan Group supplies innovative, sustainable stone wool substrate solutions for the professional horticultural sector. Based on Precision Growing principles, these solutions are particularly applied to the cultivation of vegetables and flowers. In addition to its stone wool substrates, the Grodan Group also provides tailor-made advice and tools to support Precision Growing and thus facilitate the sustainable production of healthy, safe and tasty fresh produce for consumers.

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