# SKF Axios

## Quick Start Guide



powered by aws

# Getting started

**Congratulations on your SKF Axios purchase!**
Start by filling out the account activation form. Then follow steps 1–5.

**1**

Activate account, download app, access project and add sites

**2**

Commission and install gateways

**3**

Add assets in web or mobile applications

**4**

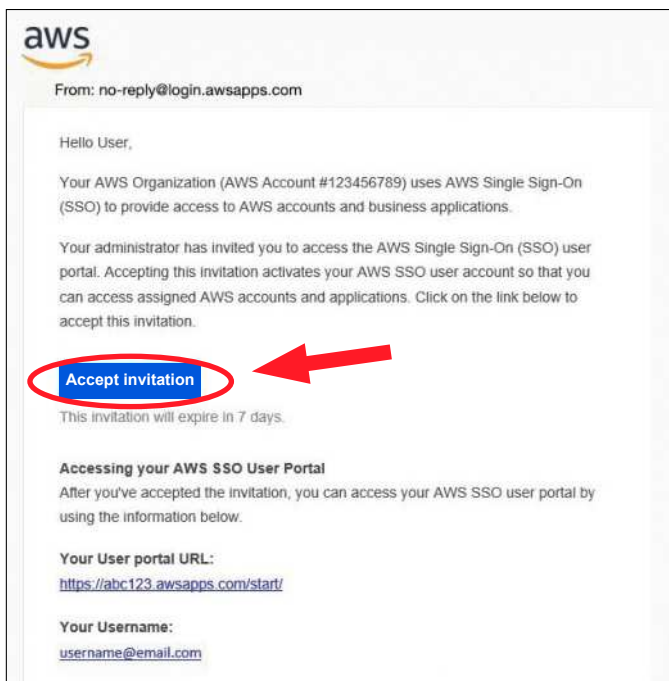Install and commission sensors

**5**

View data trends and understand alerts

# 1. Activate account, download app, access project and add sites
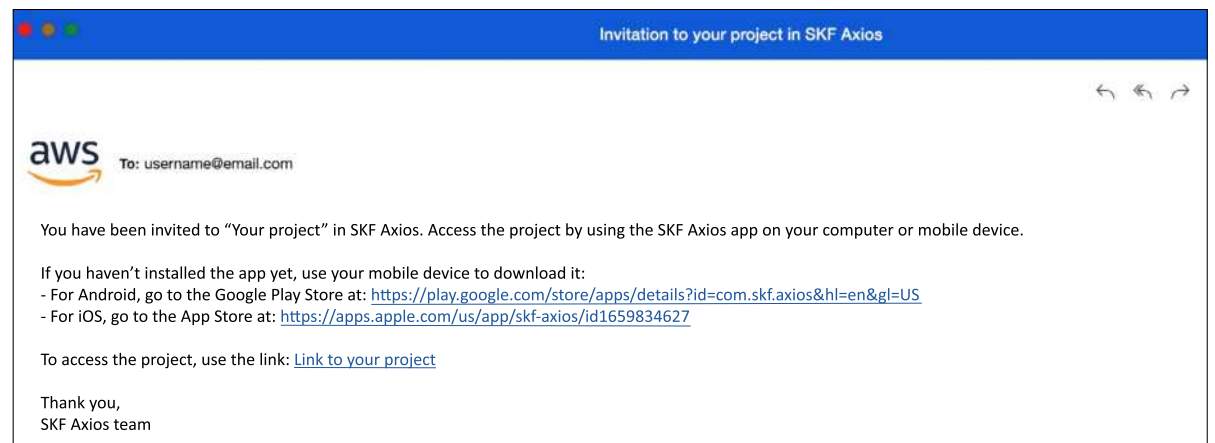
## Activate your account

**1** Receive your **account invitation** from SKF via email.

**2** Accept invitation and set your password.



*Account invitation via email.*

> **IMPORTANT**
>
> Account invitation expires in 7 days!
>
> If your account invitation expired, contact:
>
> SKF Technical Support

## Download app and access project

**1** Receive your **project invitation** from SKF via email.

**2** Use your mobile phone to download the SKF Axios app from Google Play or App Store.

**3** Click on the project link to access your project from your computer or mobile phone.

**4** For quick access, we suggest you bookmark this link in your web browser.



SKF Axios app



*Project invitation via email.*

# Add sites

Sites can be added in web or mobile application.

**1** Select "Add site".

**2** Enter Site name.
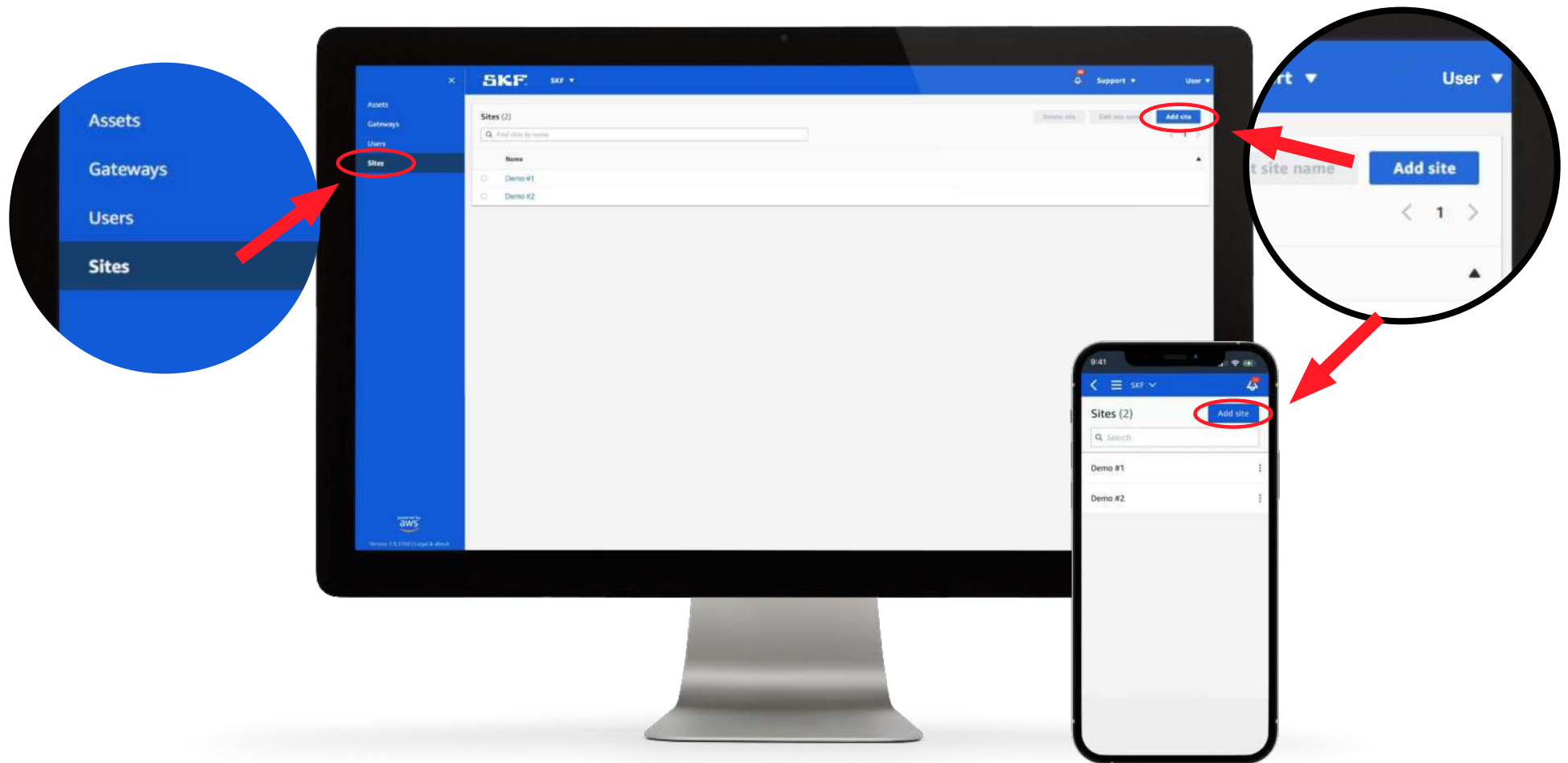
# 2. Commission and install gateways

## Network considerations

**IMPORTANT**

Communicate these requirements to your
IT Department to get started.

**For Wi-Fi Gateways:**

- Firewall rules:
  - Allow connection to amazonaws.com and subdomains
  - TCP Port: 8883 needs to be open
- DHCP is the operating mode
- 2.4 GHz frequency band
- Does not work with captive portal; requires network name and password

**For Ethernet Gateways:**

- Power Over Ethernet (PoE) or TP link PoE150S injector or equivalent required to power the device
- Firewall rules:
  - Allow connection to amazonaws.com and subdomains
  - TCP Port: 8883 needs to be open
- DHCP or Static IP

# Install gateways

- Gateway must be installed in a clean and dry location. It should be placed within 65 to 98 feet *(20 to 30 meters)* and ideally within line of sight and above the sensors
- Install the mounting bracket on a wall or other location with screws, tape or plastic-tie
- Attach gateway to the mounting bracket



*Physically installing gateway*
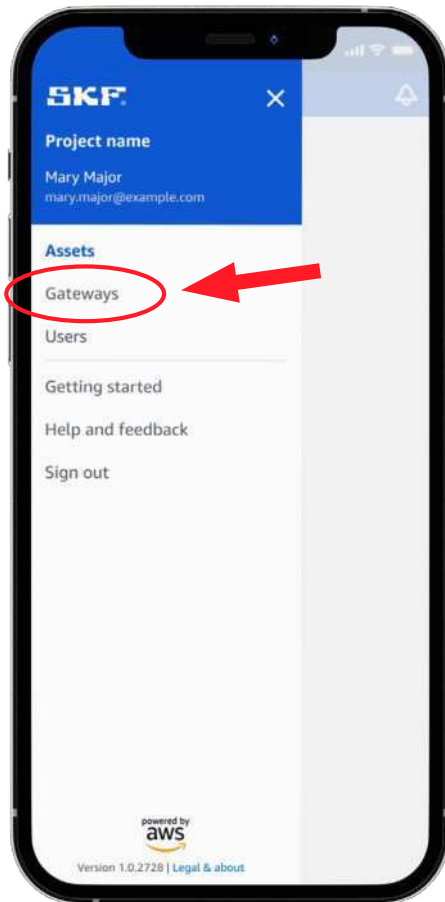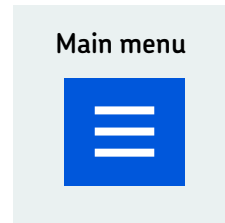


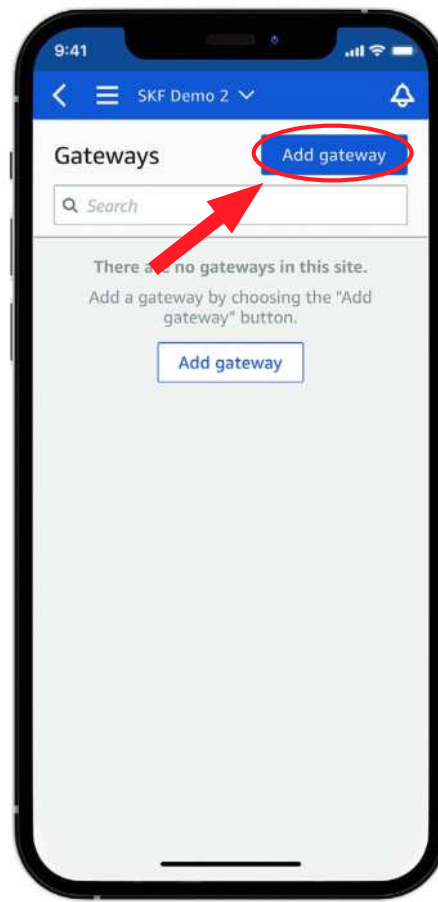*Install option with screws*



*Install option with double-sided tape*



*Install option with plastic ties*

# Commission gateways

- Turn on your phone's Bluetooth and open the mobile app
- Tap or click on the main menu and follow the steps shown below

**Main menu**

**1** Tap or click on "Gateways".

**2** Tap or click on "Add gateway".
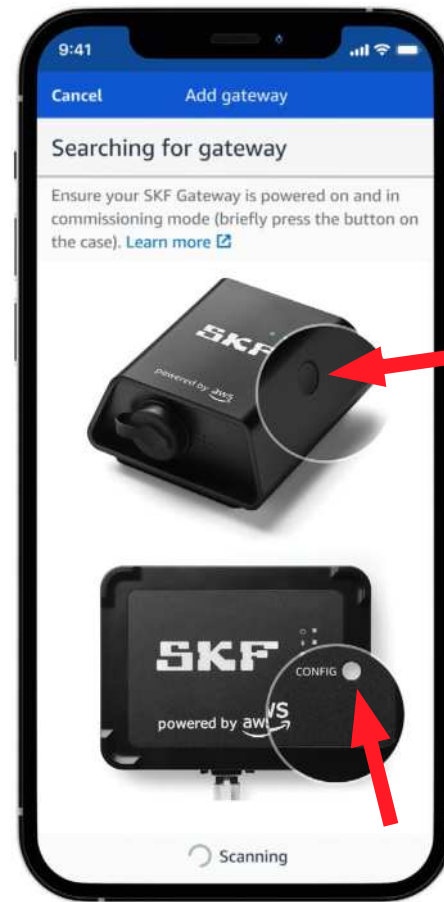
**3** Power on the gateway. Push the CONFIG button on physical gateway. See above image for location. Orange and blue lights will flash rapidly.
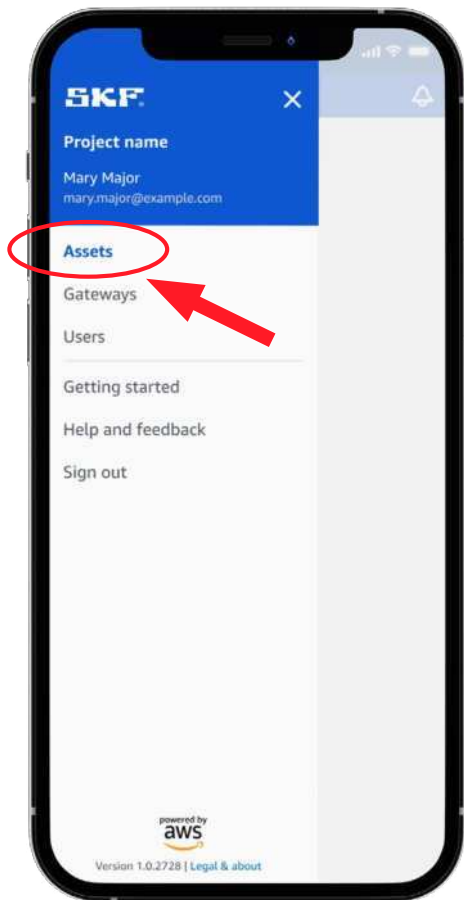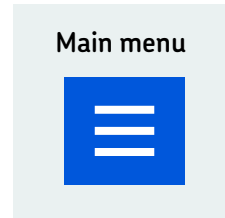
**4** Once commissioning is complete, you can verify the gateway is online by the solid orange light.
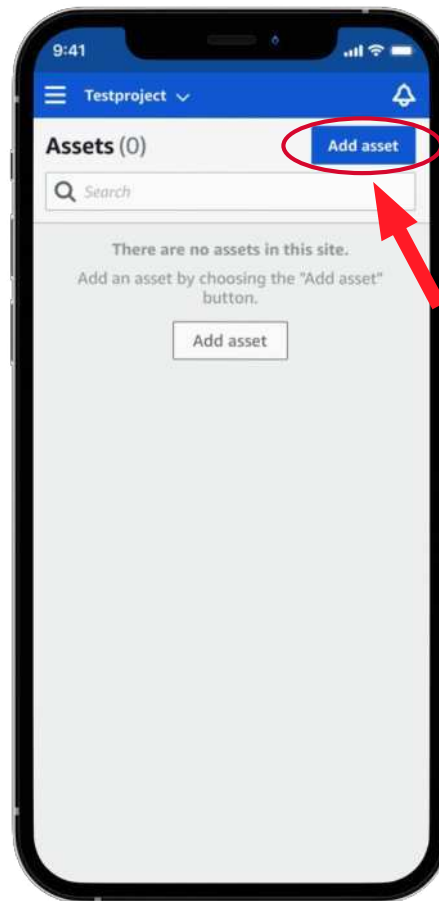
# 3. Add assets in web or mobile application

## Add assets

• Adding "Assets" can be done in web and mobile applications

• It is recommended to always add  "Assets" under a "Site"

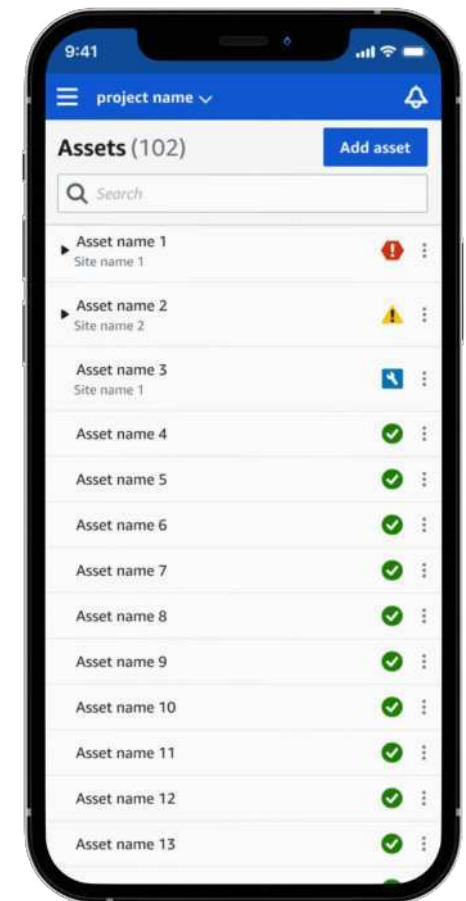• Tap or click on the main menu and follow the steps shown below

**Main menu**



**1** Go to "Assets".

**2** Tap or click on "Add Asset".

**3** Enter "Asset name".

**4** View your "Assets".

# 4.  Install and commission sensors

## Install sensors

**1**  Clean machine surface with CRC degreaser or equivalent and determine your surface type based on diagrams shown.

**2**  Select appropriate industrial adhesive based on surface type* and use industrial adhesive to glue sensor to machine. Press sensor firmly for 30 seconds.

Target contact area

Minimum contact area:
30 x 25 mm (*1.18 x 0.98 in*)
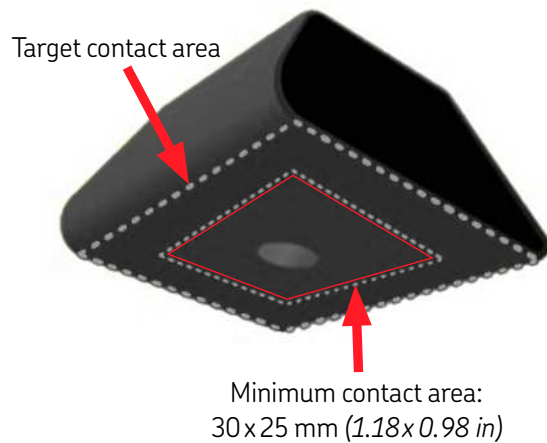
*Example of a curved surface.*

**\*Recommended industrial adhesive:**
Loctite 454 (flat surface) or 3092 (curved surfaces)
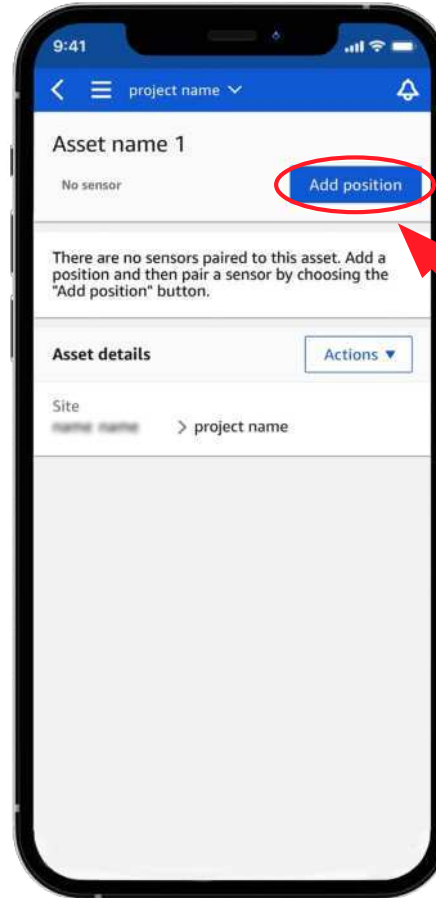Check your surroundings and manufacturer's Safety Data Sheet

**Types of surfaces**

**Flat surface**

**Slightly curved surface**

Gap filling glue
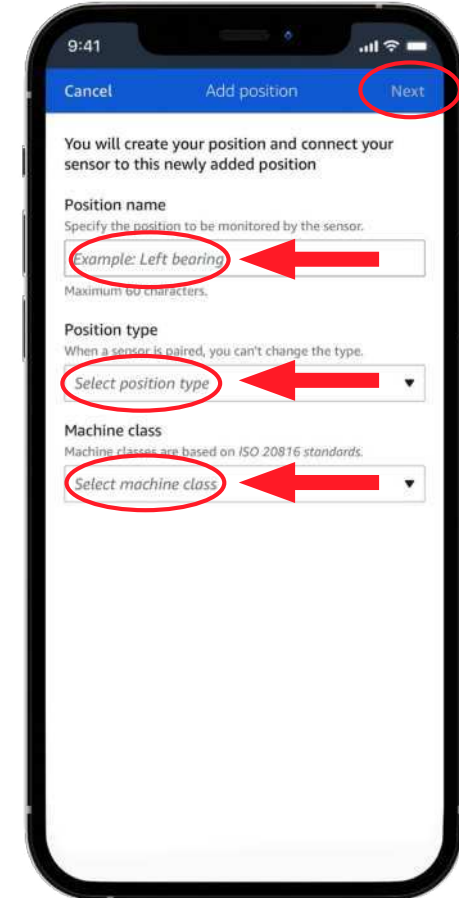
**Curved surface**
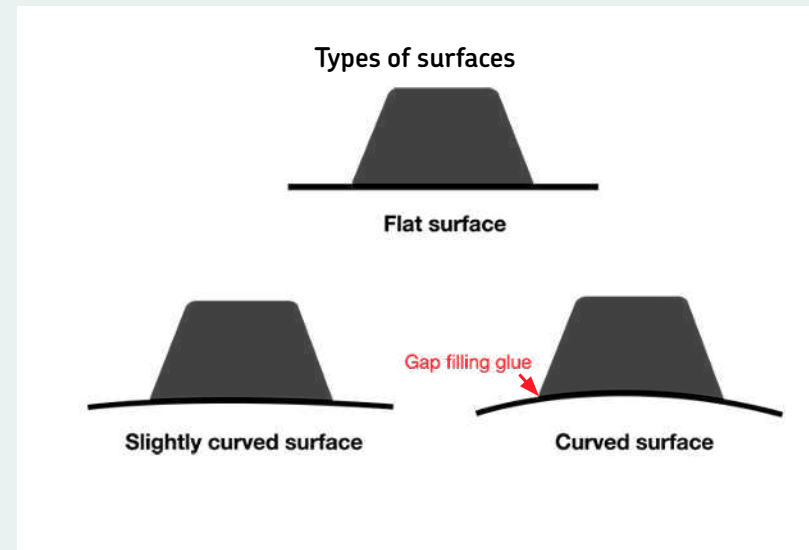
# Commission sensors

- The "Assets" view is the default screen in the mobile app
- Open the mobile app and follow the steps shown below
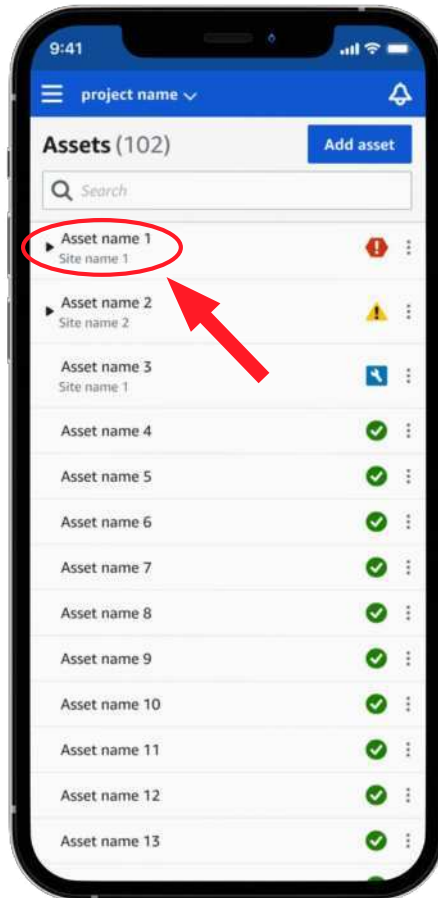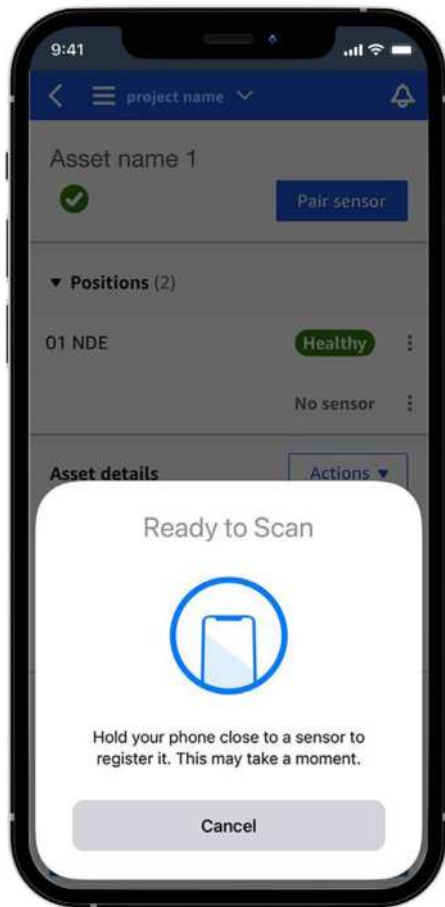


**1** Tap or click desired "Asset".

**2** Tap or click "Add position".

**3** Enter "Position name", select "Position type" (bearing, motor, etc.) and select "Machine Class". Tap or click "Next".

# Commission sensors continued

- Continue the pairing process as shown below



**1** Pairing process will start



**2** Pair sensor with NFC*.
Hold your phone close to a sensor and do not move to register it.
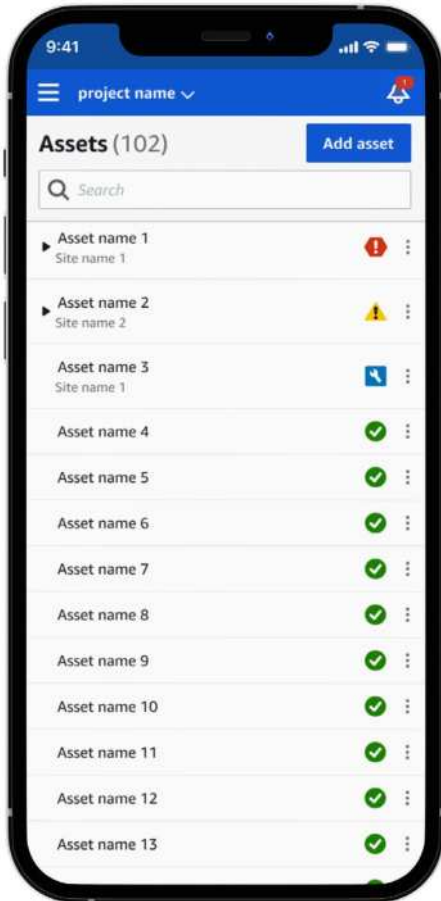


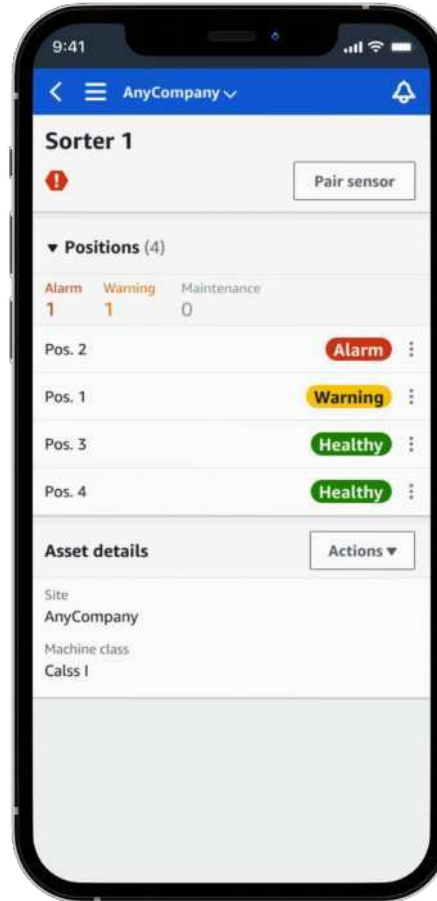**3** Do not move your phone until 100% commissioned.



A solid blue light on the gateway indicates at least one sensor is communicating.
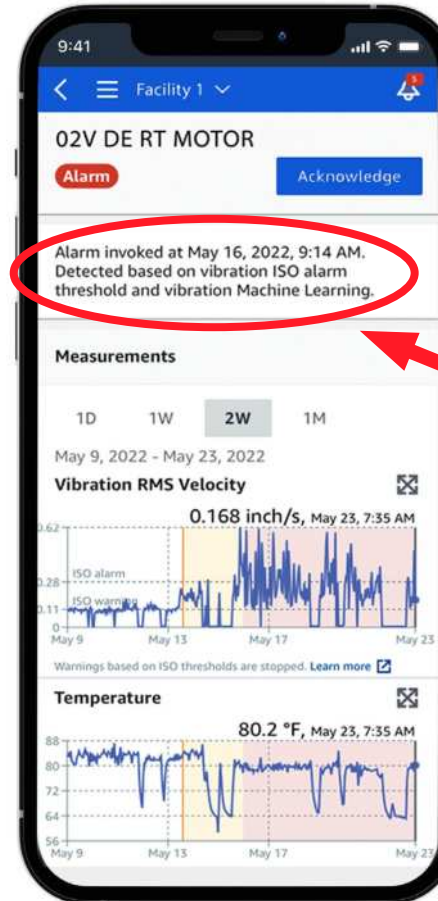
*\* Near-field communication*
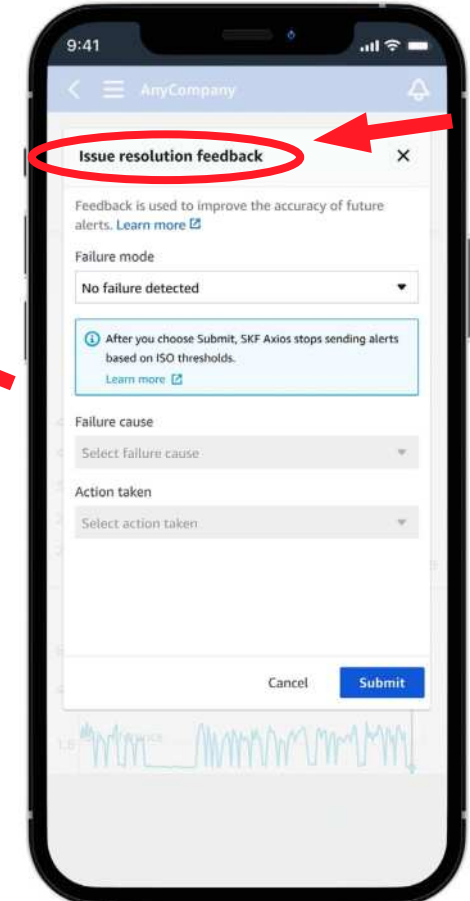
# 5. View data trends and understand alerts



**1** Receive push notifications when anomalies are detected.

**2** View status at "Asset" and position levels (Alarm, Warning, Healthy).

**3** View data trends and acknowledge alerts.

**4** Enter resolution feedback to improve accuracy of future alerts.

**skf.com/axios**