



Integrating Milesight Gateways and Devices into the Daizy Platform (LoRa Edition)



Version Change Log			
Version	Revision Date	Revision Details	Revised By
V1.0	20250510	Initial	Lockon



Preface

Daizy is a low-code platform designed for Internet of Things (IoT) projects, focusing on unified device management, data stream integration, and lifecycle control. The platform supports multiple communication protocols such as LoRaWAN, NB-IoT, and LTE-M, enabling flexible integration of various sensors and gateway devices. Users can remotely configure devices, enable auto-activation, visualize data, and manage alerts through the Daizy platform.

In addition, Daizy offers a rich set of APIs, data publishing mechanisms (e.g., MQTT, Webhook, S3), and a visual workflow editor to help businesses quickly build IoT applications, accelerate deployment, and improve operational efficiency.

This document provides a complete guide and demonstration on how to connect a UG65 gateway to the Daizy platform and use a LoRaWAN device as an example.

1. Prerequisites

- **Gateway Model:** UG65 (UG56 or UG67 are also supported)
- **Sensor Model:** EM310-Tilt (or other type of Milesight Sensors)
- **The gateway must be connected to the Internet**

2. Register an Account

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Daizy Tech Limited

Unit 7 Stanley Court

Richard Jones Road

Witney

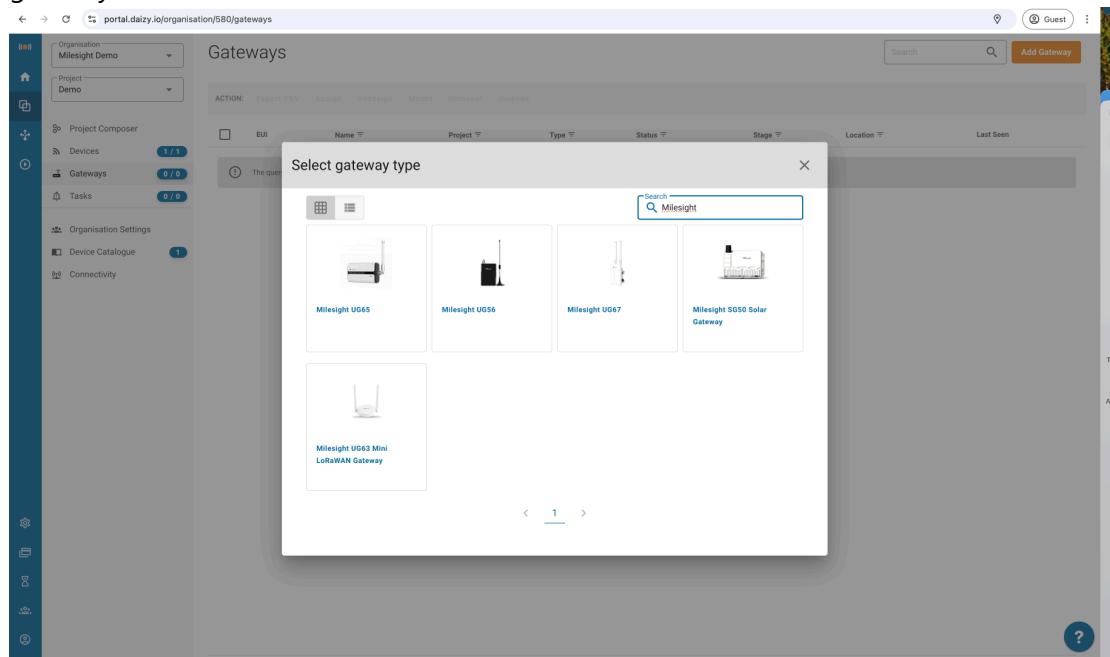
Oxfordshire

OX29 0TB

Tel: +44 1202 798335

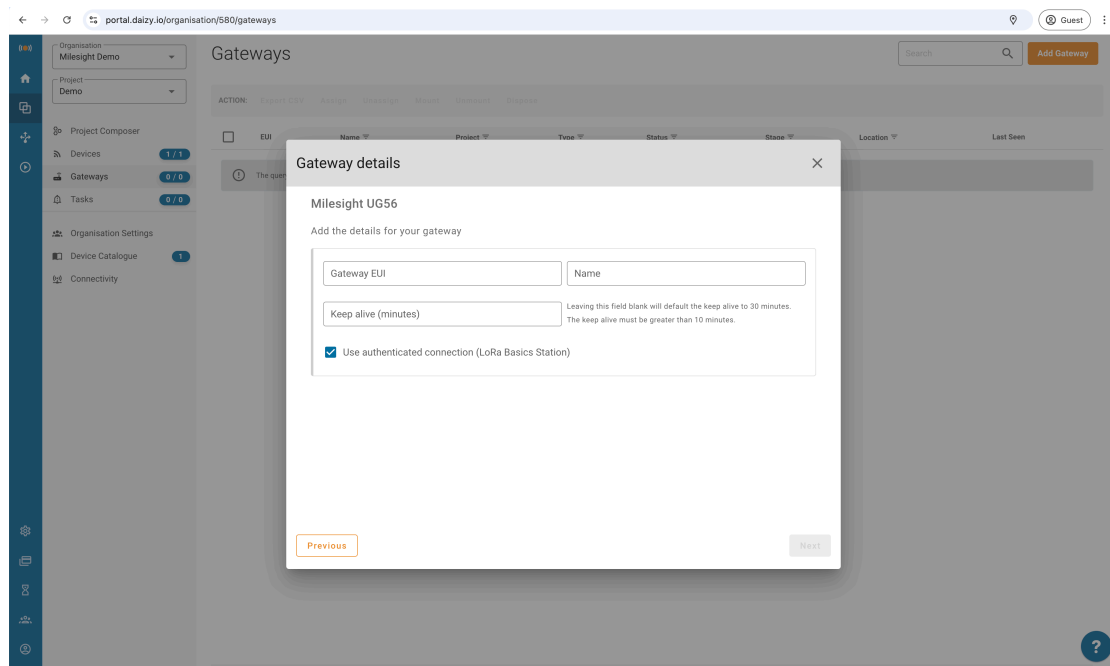
3. Register the Gateway

Navigate to the **Gateways** page and click "**Select gateway type**", then choose your gateway model.



In the pop-up window, fill in the required parameters such as:

- Gateway EUI
- Name
- Keep Alive Interval



Note:

Check the box for "**Use authenticated connection**". We will use **Basics Station**



mode to connect the gateway to the platform.

After clicking "**Next**", you will see the following information:

Gateway Details > Yorkshire Office

Overview
Actions
Authorisation Details
Audit History

Authorisation details for 24E124FFFEF95D04

Authenticated connection (LoRa Basics Station) is enabled for this gateway

Configuration and Update Server (CUPS) address: `https://iot-access.eu1.cloud.thethings.industries:443`

CUPS key: [Download]

LoRaWAN Network Server (LNS) address: `wss://iot-access.eu1.cloud.thethings.industries:8887`

LNS key: [Download]

Root certificate list file: [Download]

Please **record and download** the related certificates:

- CUPS URL and Certificate
- LNS URL and Certificate
- Root Certificate List

Now ,let us configure the Gateway:

Refer to the guide [<How to Login Web GUI of Milesight Gateway>](#) to access the gateway's web interface.

Milesight

Status | General | Radios | Advanced | Custom | Traffic

General Setting

Gateway EUI: 24E124FFFEF95D04

Gateway ID: 24E124FFFEF95D04

Frequency-Sync: 1

Data Retransmission: ☐

Multi-Destination

ID	Enable	Type	Server Address	Connect Status	Operation
0	Disabled	Embedded NS	localhost	Disconnected	[+]
1	Enabled	Basics Station	-	Connected	[+]

Packet Filters

Proprietary Message Filter: ☐

Filters by NetID: White List [Add]

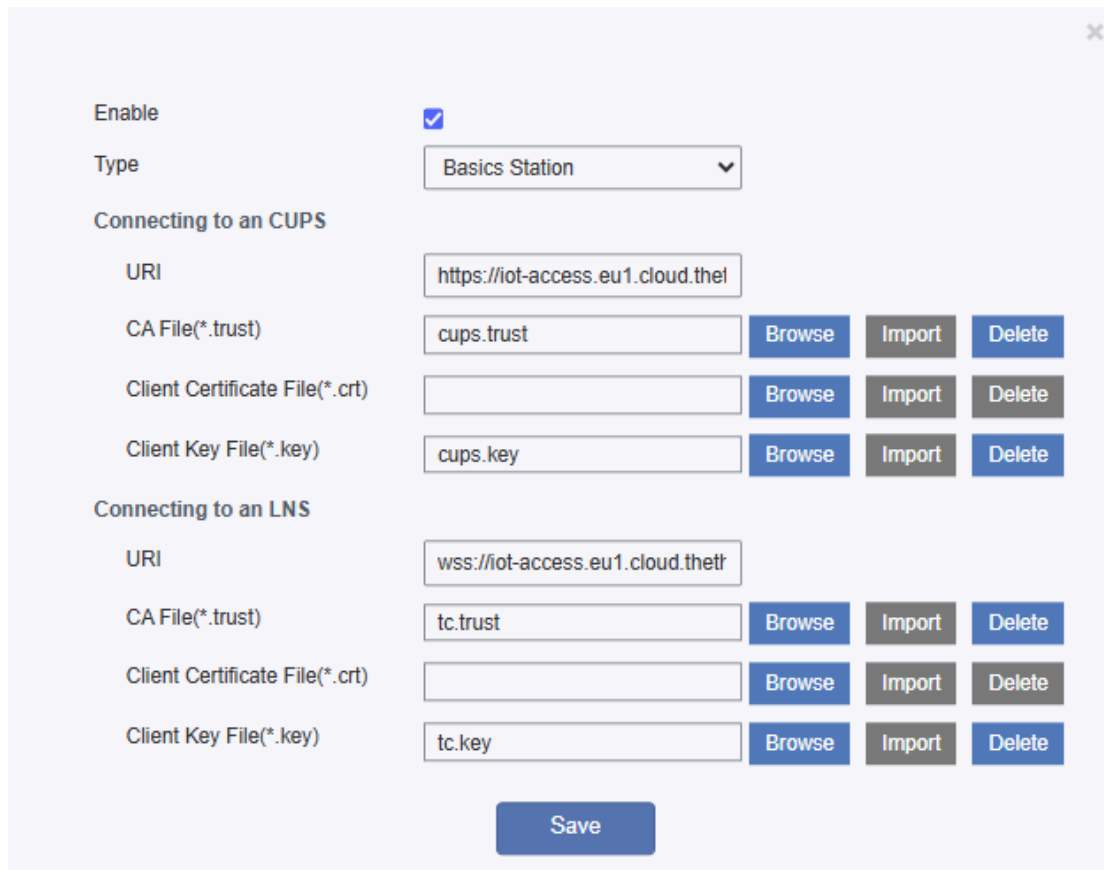
Filters by JoinEUI: White List [Add]

Filters by DevEUI: White List [Add]

[Save & Apply]

Create a new Multi-Destination entry with type set to Basics Station, then configure it as shown (use the CUPS and LNS addresses and certificates as mentioned above, along with the root certificate):





Enable ☒

Type Basics Station

Connecting to an CUPS

URI https://iot-access.eu1.cloud.thel

CA File(*.trust) cups.trust Browse Import Delete

Client Certificate File(*.crt) Browse Import Delete

Client Key File(*.key) cups.key Browse Import Delete

Connecting to an LNS

URI wss://iot-access.eu1.cloud.thetr

CA File(*.trust) tc.trust Browse Import Delete

Client Certificate File(*.crt) Browse Import Delete

Client Key File(*.key) tc.key Browse Import Delete

Save

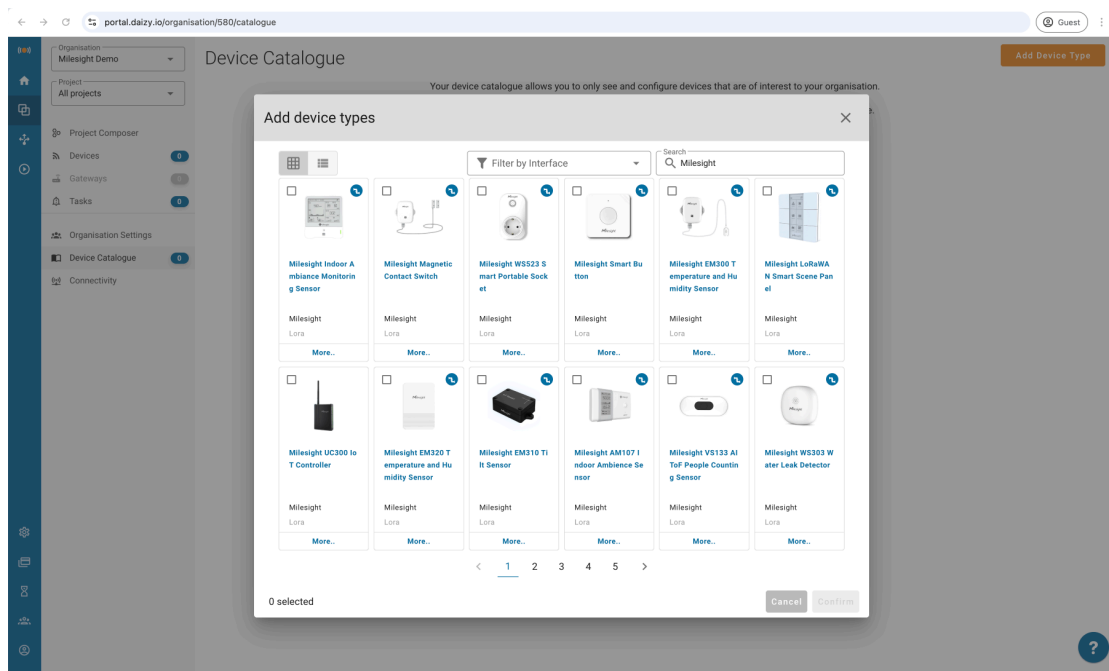
After clicking Save, wait a few moments. The gateway will automatically establish a connection with the Daizy platform.

Once connected, the gateway integration is complete. Next, we will add a sensor device.

4. Add Sensor Devices

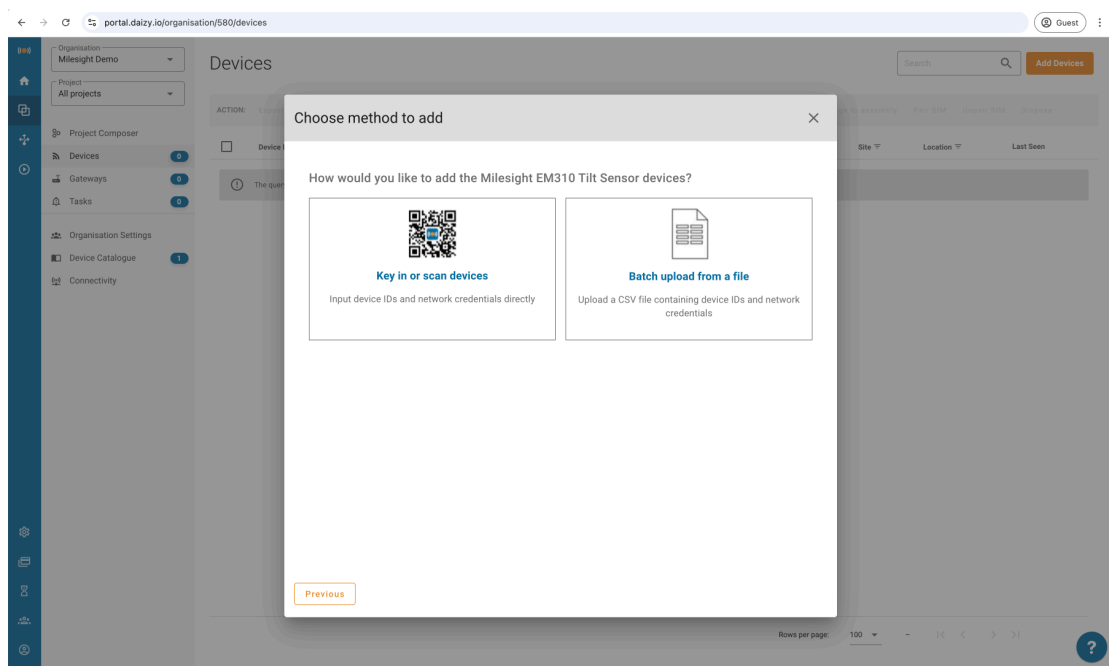
Navigate to the **Device Catalogue** page and click "**Add device types**".



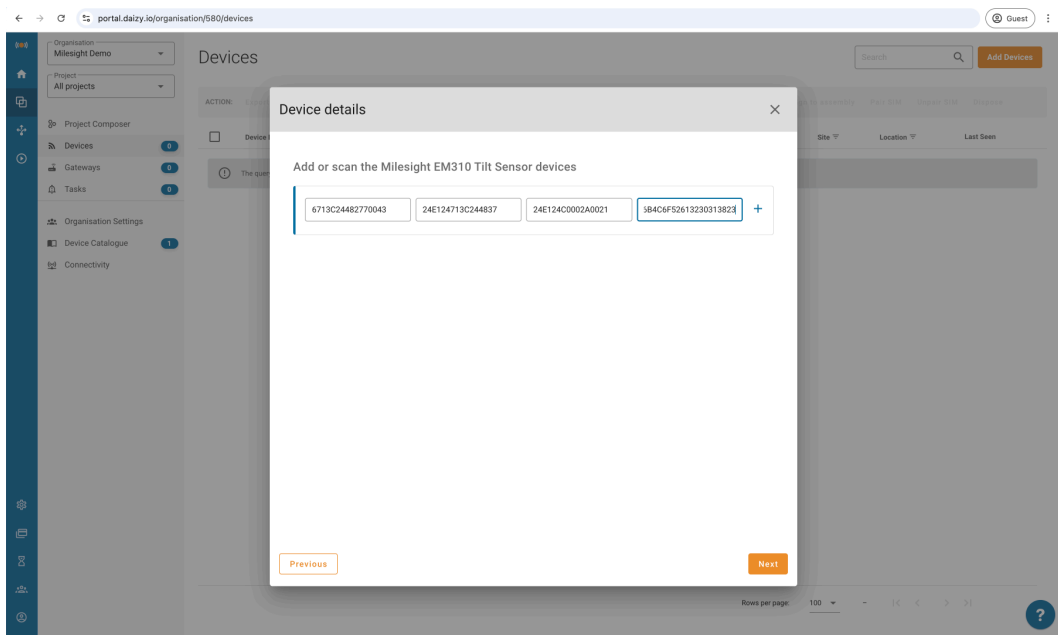


Select your device and click **"Confirm"**.

Next, click **"Add devices"**. You have two options:

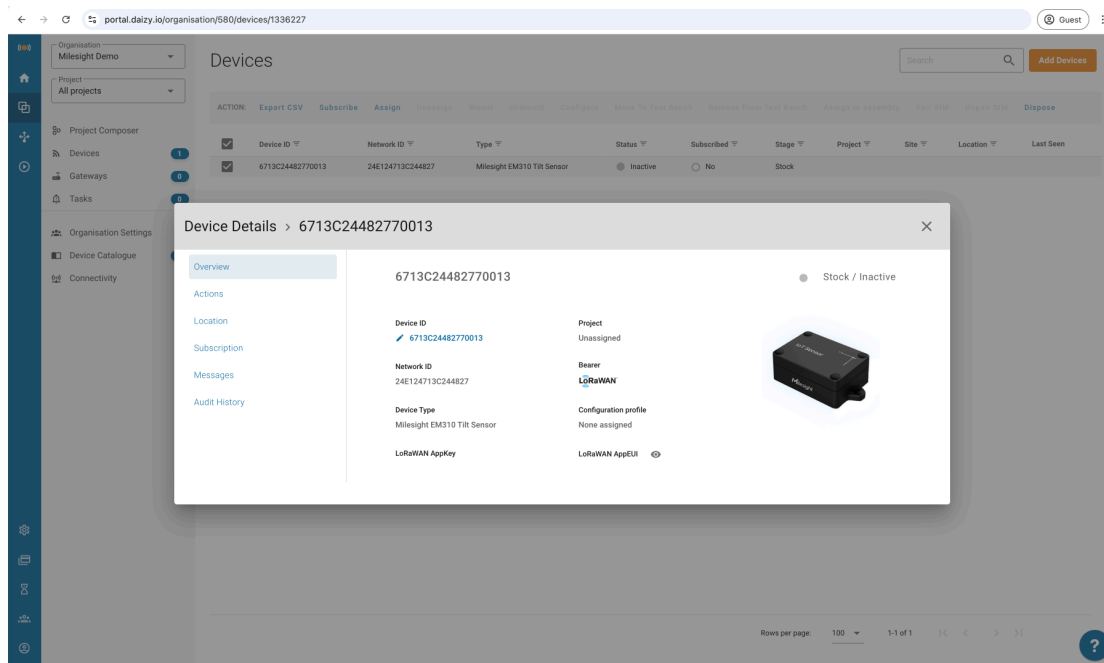


- Method 1: Manual Addition



Enter the following parameters:

- Device ID
 - Device EUI
 - App EUI
 - App Key
 - Method 2: Import in Bulk via CSV File
- Once configured, the device will appear in the **Stock** list in Daizy.



At this point, our sensor has been successfully added, and the platform is now able to receive real-time data from the sensor.

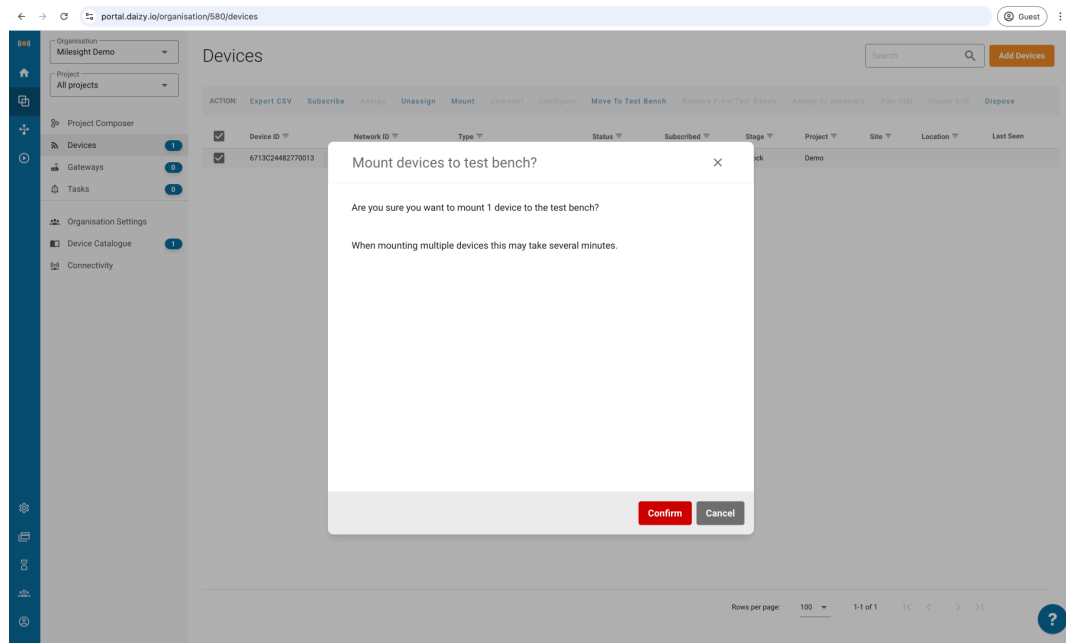


5. Manage Device in project

There are three methods to activate devices of the project and at this time , you can see the device data too:

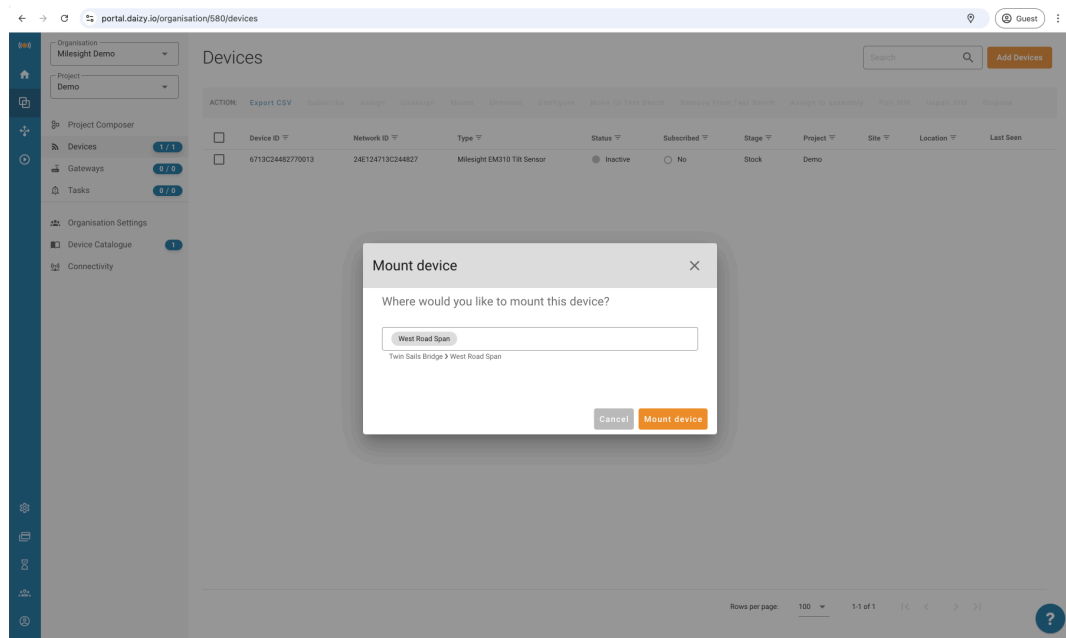
- Method 1: Move to Test Bench

For testing purposes, devices can be added to the Test Bench to view data without publishing to a live environment.



- Method 2: Manually Mount into a Project

Click "**Mount**" on a stocked device to install it into a project immediately.

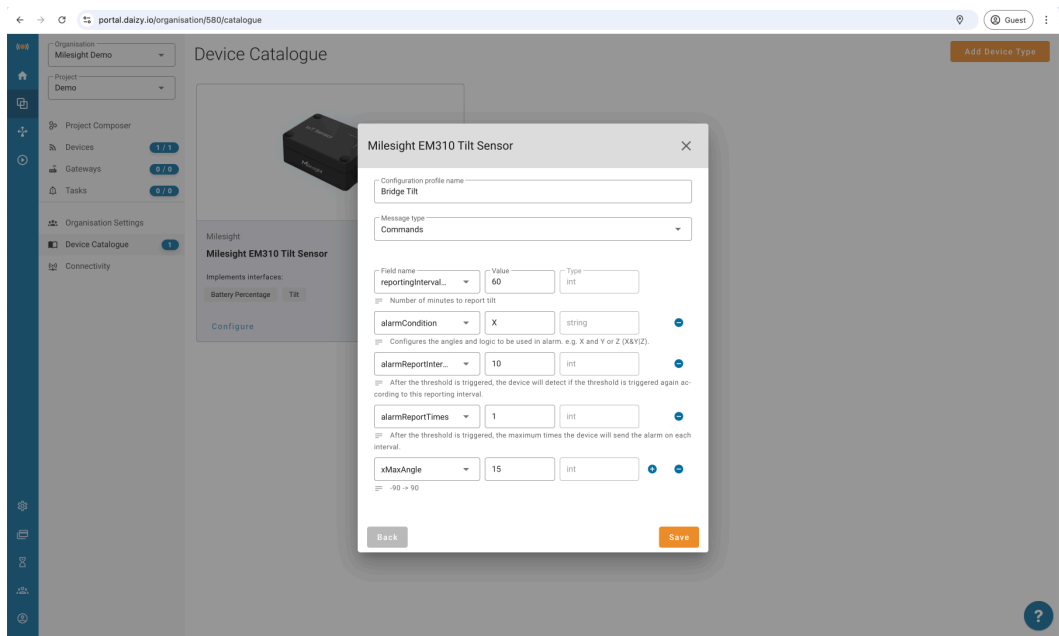


Enter the project location name.

After mounting, click on the device to see its new assigned location and perform configuration if needed.



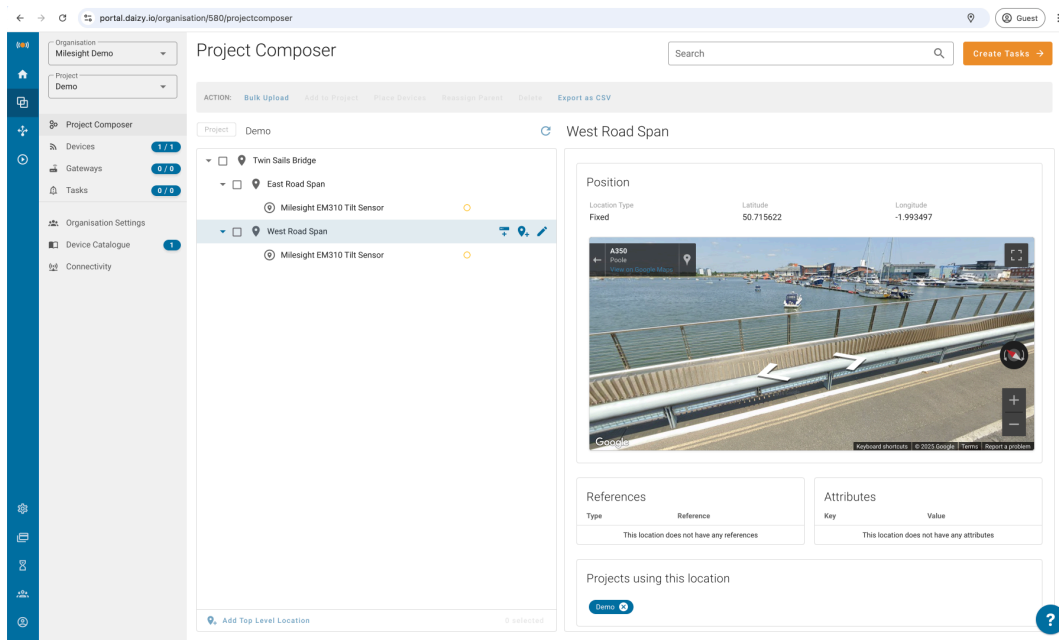
To configure custom parameters, go to the **Device Catalogue**, select the device, and click **"Add new profile"**.



- Method 3: Use Daizy Mobile App for Bulk Deployment

This method is ideal for large-scale deployment.

In **Project Composer**, select the deployment site, device type, and (optional) configuration Profile, then click **"Create Tasks"**.

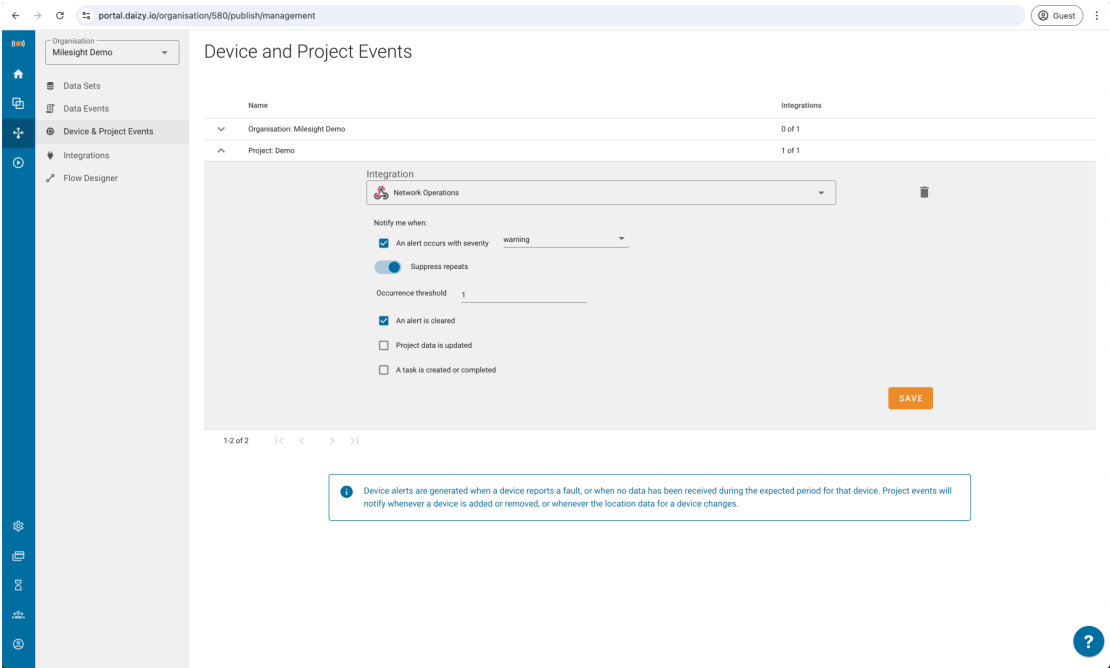


The task will be sent to the mobile app's task inbox. Installers can simply scan the device's QR code to complete subscription, activation, configuration, and deployment.

6. Device and Project events

Daizy provides real-time monitoring of deployed devices. If a device goes offline or has issues such as low battery, the system will automatically generate alerts.

To receive alerts, connect your integration to **"Device and Project events"**.



-END-

