Integrating Milesight Devices into the Daizy Platform (NB-IoT Version)

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

Preface

Daizy is a low-code platform designed for IoT (Internet of Things) projects, focusing on unified device management, data stream integration, and project lifecycle control. The platform supports multiple communication protocols (e.g., LoRaWAN, NB-IoT, LTE-M), allowing flexible integration of various sensors and gateway devices. With Daizy, users can remotely configure devices, automate activation, visualize data, and manage alerts.

Additionally, Daizy provides rich APIs, data publishing mechanisms (such as MQTT, Webhook, S3, etc.), and a visual workflow editor to help enterprises quickly build IoT applications, accelerate deployment, and enhance operational efficiency.

This document mainly describes how to connect the UG65 gateway to the Daizy platform and demonstrates the full workflow using a LoRaWAN device as an example.

1. Prerequisites

- NB-IoT or LTE-M device
- A valid SIM card

2. Register an Account

Visit 🔗 Platform for IoT Management | Daizy - connect to 1000s of devices   :

Click on "**Request Demo**". After submission, Daizy staff will create an account for you based on your request.

Contact us

Please get in touch, we'd love to hear from you.

First Name*

Last Name*

Your Email*

Organisation

Message*

Daizy is committed to protecting and respecting your privacy, and we'll only use your personal information to administer your account and to provide the products and services you requested from us. From time to time, we would like to contact you about our products and services, as well as other content that may be of interest to you. If you consent to us contacting you for this purpose, please tick below:

☐ I agree to Daizy's Privacy Policy.*

Submit

Daizy Tech Limited
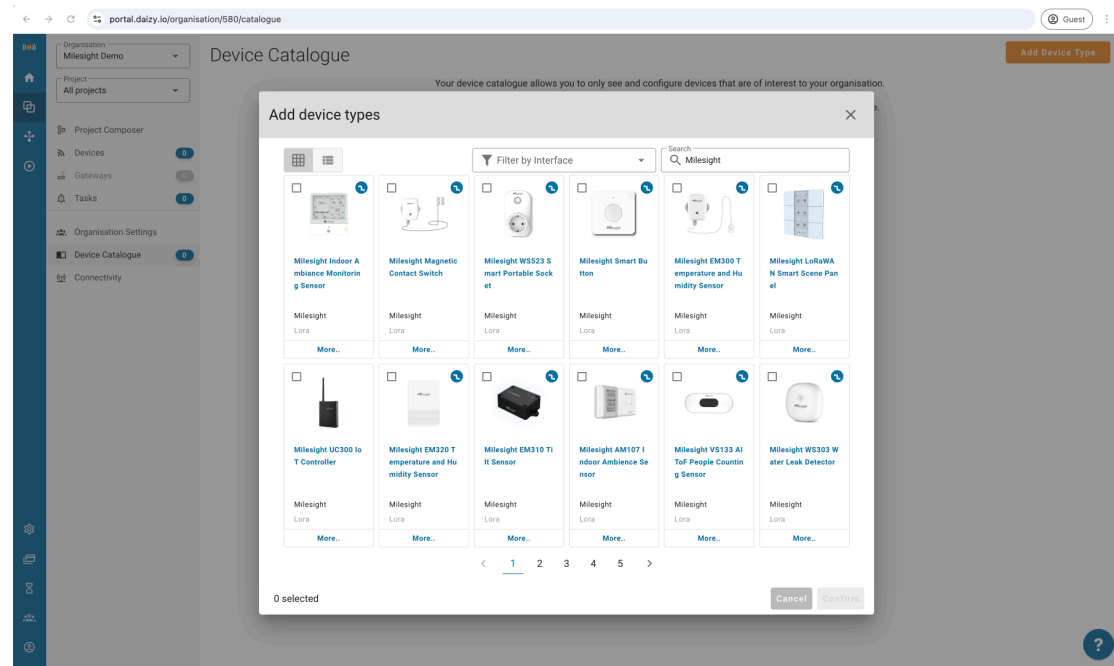
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3. Add Sensor Device

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

Select your device and then click "Confirm".

You will need the following information:
- A device ID (this could be the device serial number, or a unique ID such as an asset label)
- Device serial number (SN)
- An authentication ID - this is something you create to authenticate the device with Daizy. For added security this should be unique for every device.
- SIM card ICCID

If you are using a SIM supplied by Daizy it will be automatically activated when you install your device, and will provide real time presence information in the device details screen for troubleshooting communication issues.

If you are using a SIM from elsewhere, select '**Use third party SIM**'.

4. Configure Device Parameters

Use the [Tool Box](#) utility to configure sensor parameters. Key parameters include:

- **APN Settings (only applicable for Daizy SIM cards):**
  APN Name: [iotaccesspoint.net](#)

APN Username: (leave blank)

APN Password: (leave blank)

- **MQTT Settings:**

  Broker Address: mqtts://mqtt.iotaccesspoint.net

  Port: 8883

  Authentication: Enabled

  Username: device

  Password: The authentication token used when registering the device

  TLS: Enabled

After completing the configuration, wait a moment, the device will automatically connect to the network and appear online in Daizy.
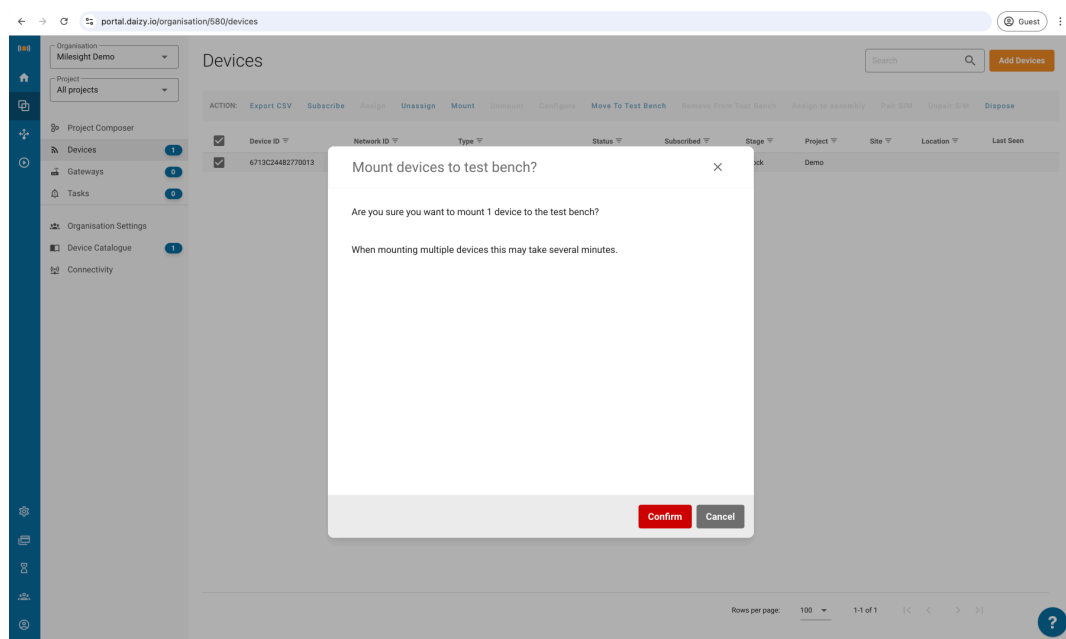
At this point, the NB-IoT/LTE-M device has been successfully added to the platform.

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:
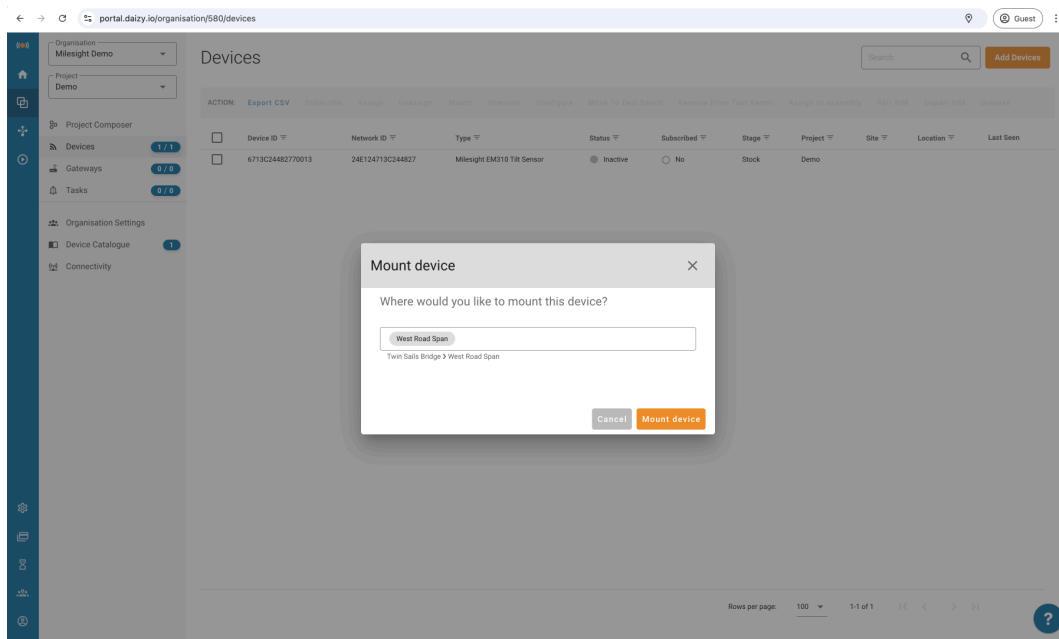
- Method 1: Move to Test Bench

  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.
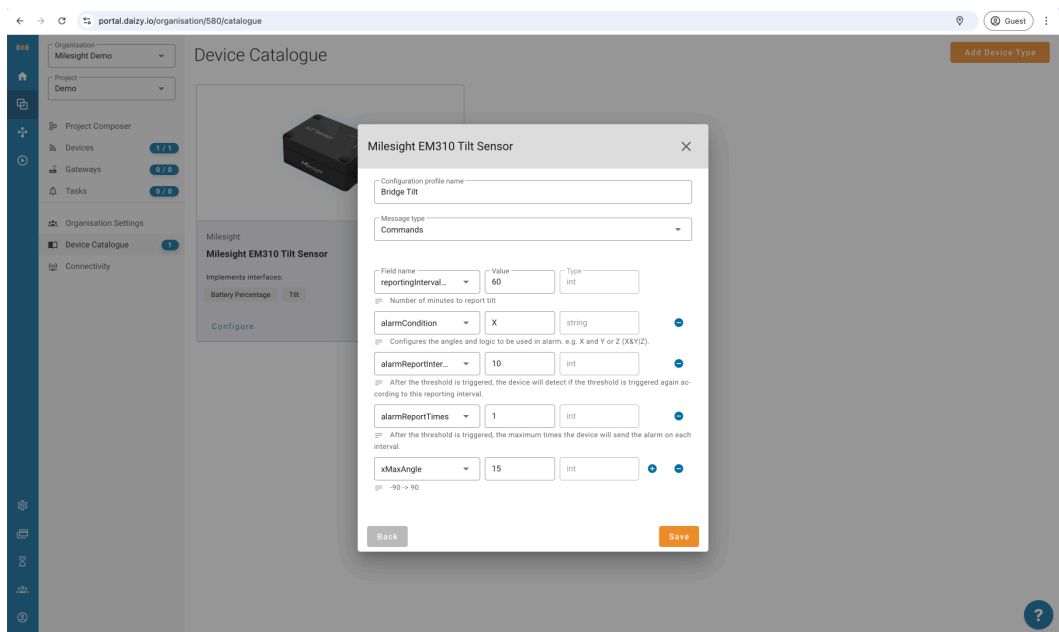
Enter the project location name.

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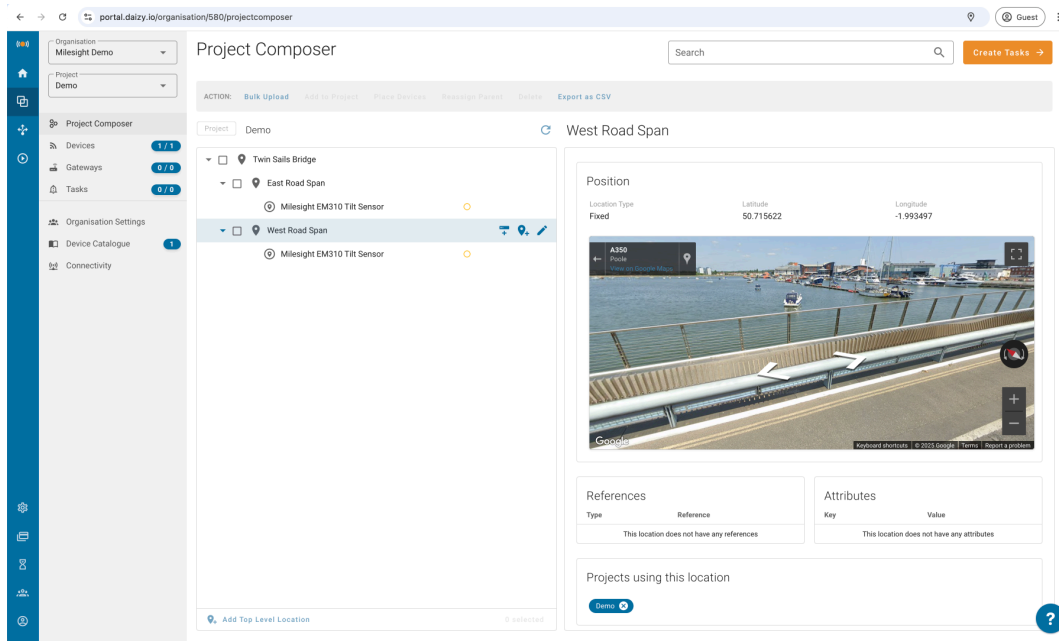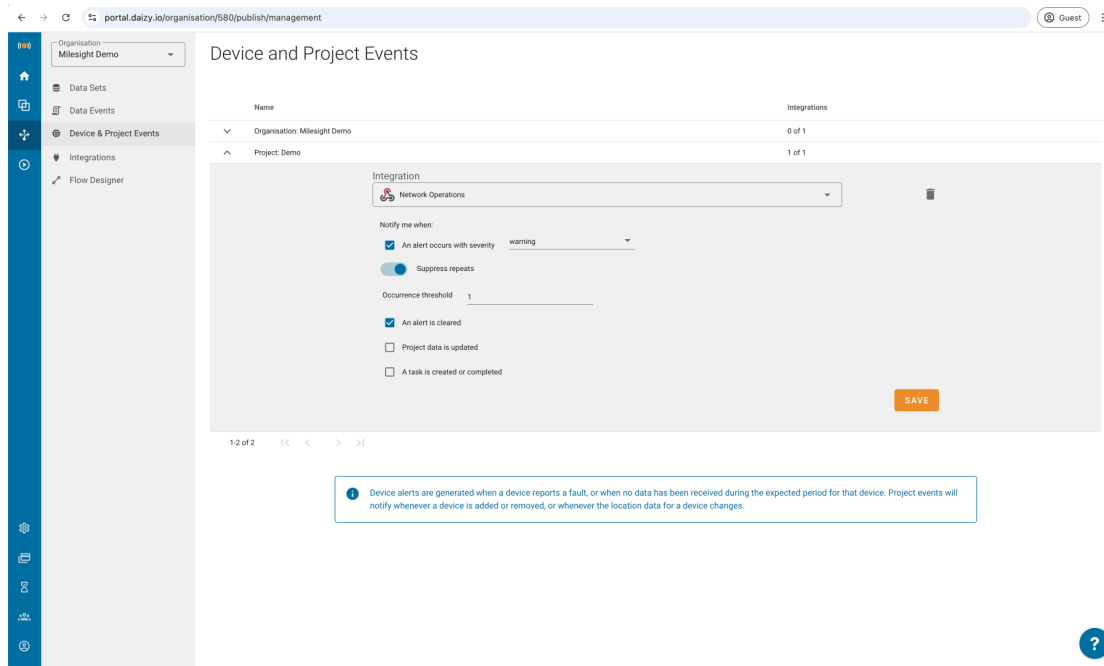
The task will be sent to the mobile app's task inbox. Installers can simply scan the device's QR code to complete subscription, activation, configuration, and deployment.

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**".

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