How to Integrate Milesight Gateways and Devices into the J2 Innovations FIN Platform

Version Change Log			
Version	Revision Date	Revision Details	Revised By
V1.0	20250408	Initial	Lockon

Foreword

J2 Innovations is a wholly-owned subsidiary of Siemens. The company mainly provides smart building solutions, with its core product being the FIN Framework platform. FIN Framework is an open, scalable IoT platform designed to simplify device management, data integration, and control system development. It allows facility managers, system integrators, and OEMs to quickly implement smart management of buildings and devices while providing flexible configuration and data analytics capabilities. The platform emphasizes efficient and secure management of buildings and devices, as well as seamless integration with cloud platforms.

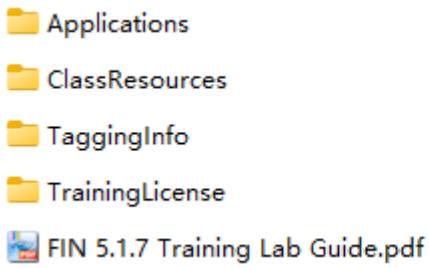
This document primarily explains how to integrate the UG65 gateway with the FIN Framework platform and provides a complete operation process for adding the AM319 device (Note: AM319 is used here as an example; readers can replace it with their own devices as needed) on the FIN Framework platform.

1. Prerequisites

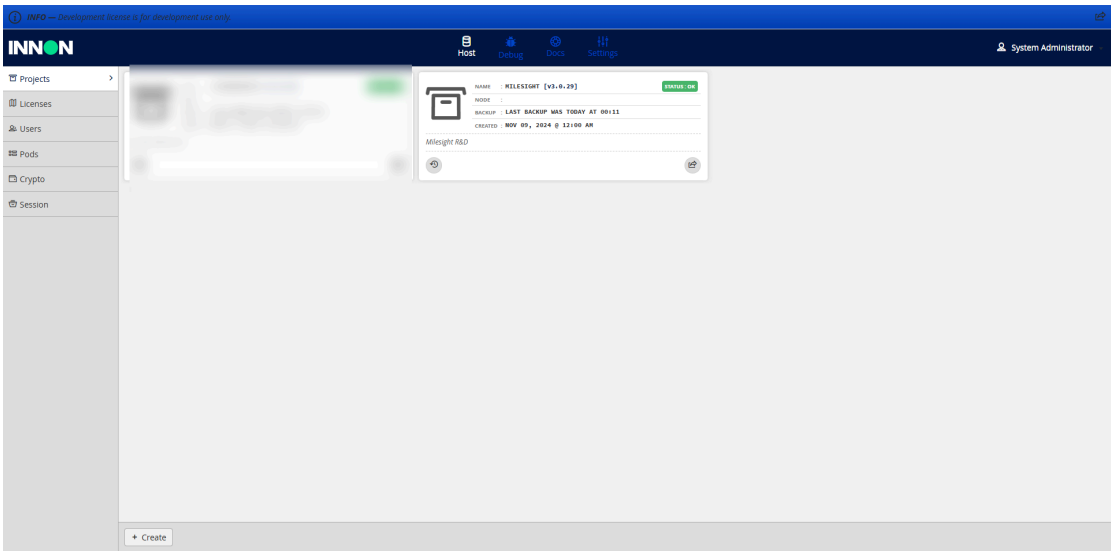
- **Gateway Model:** UG65 (UG56, UG67 also supported)
- **Sensor Model:** AM319
- **Frequency Band:** US915 (used in this demonstration)

2. Setting Up the Environment

Contact J2 Innovations for the installation package and license authorization files. The file list is typically as shown in the image below:



Install and import the license on either a Windows or Linux system.
After installation, the default address is usually: **http://[Your Host IP Address]**.
Log in with the default username and password to access the following interface:

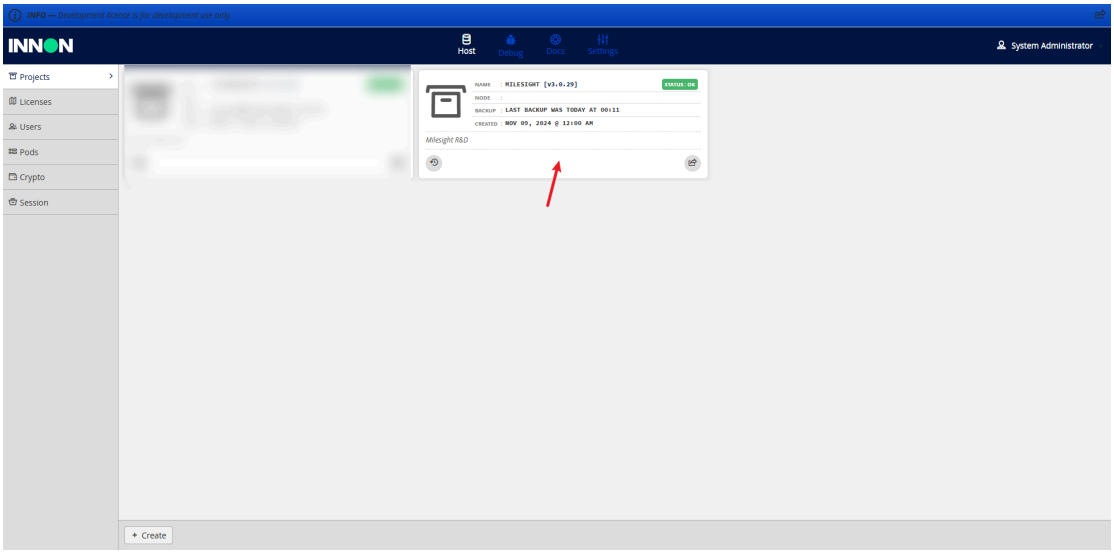


At this point, the platform installation is complete.

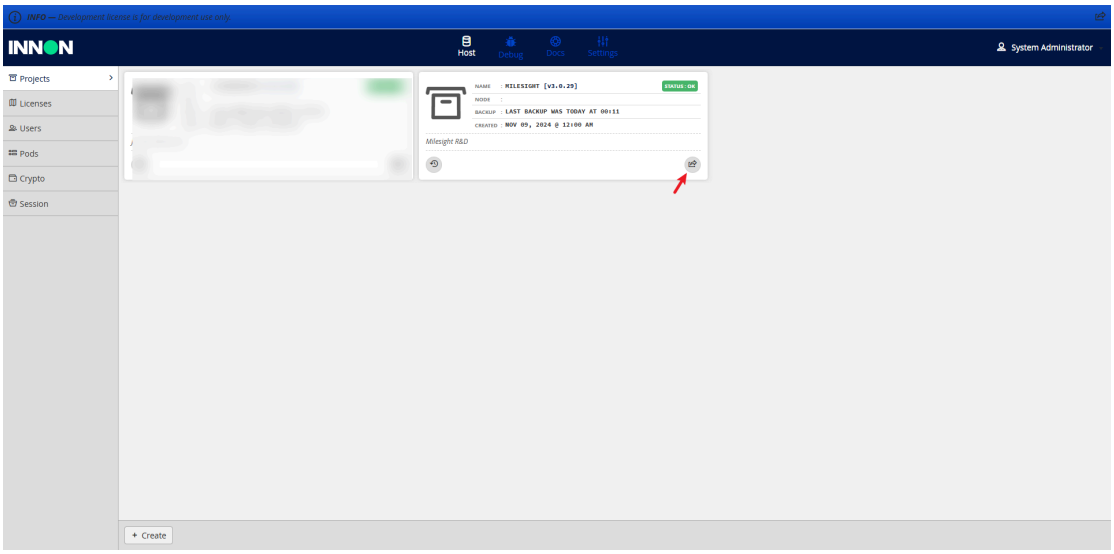
3. Gateway Integration

~~Once logged, you will see the platform's pre-configured project named "**MILESIGHT**":~~

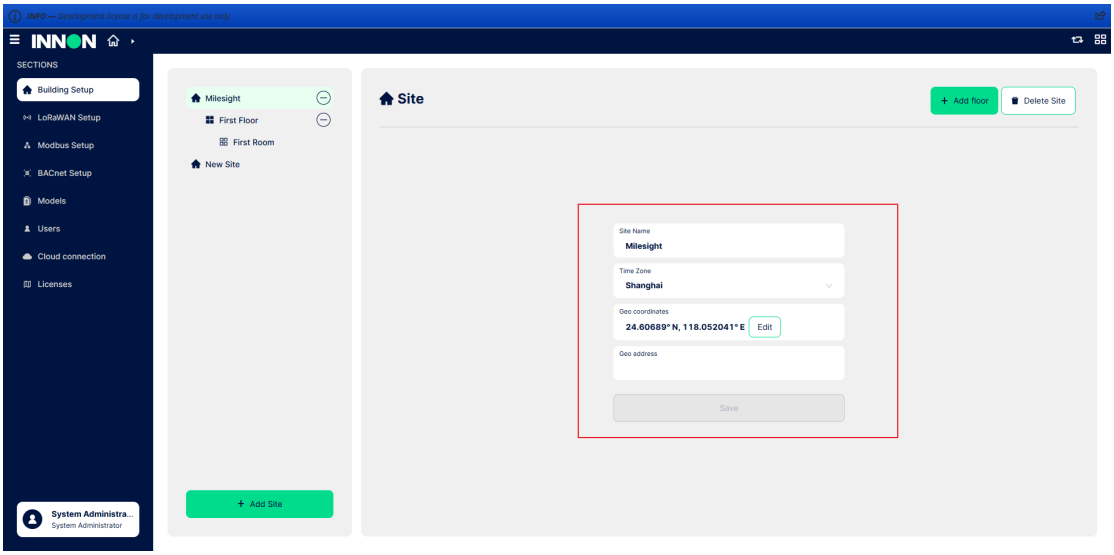
By default, a project is automatically generated, typically named "**MILESIGHT**" in this scenario, but the actual name may vary depending on the deployment context.



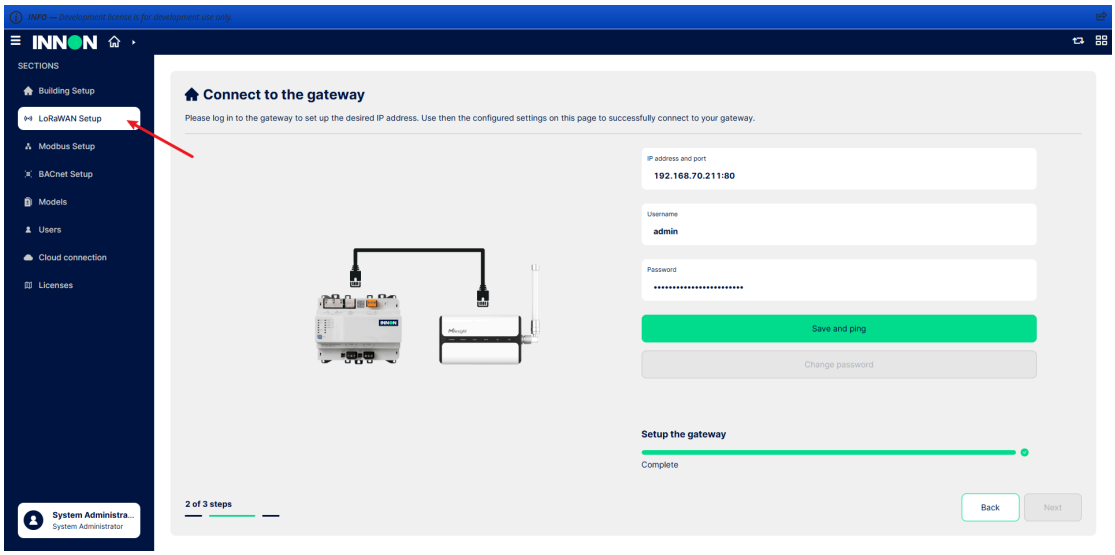
Click the button in the lower-right corner to enter the configuration page:



In the configuration interface, you will see the basic information pre-set by the system:



Click on the "**LoRaWAN Setup**" section in the left-hand column:

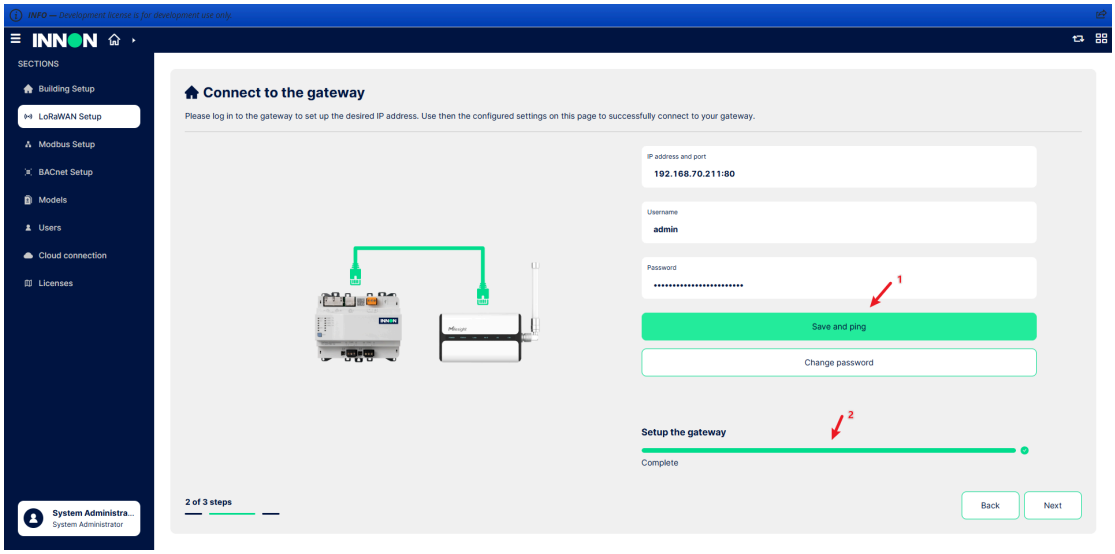


Fill in the required information as prompted:

- **IP address and port：**
  Enter the gateway's IP address, including the port.
- **Username：**
  Enter the username for the gateway's management page, typically "admin."
- **Password**：
  Enter the password for the gateway's management page, typically "password."

~~Refer to the <How to Test Milesight Gateway HTTP API by Postman? > guide to fill in the encrypted password. For example, if the plain text password is "system", the corresponding encrypted password is "u+ZsTcrEug4J5WGzoC8bEw==".~~

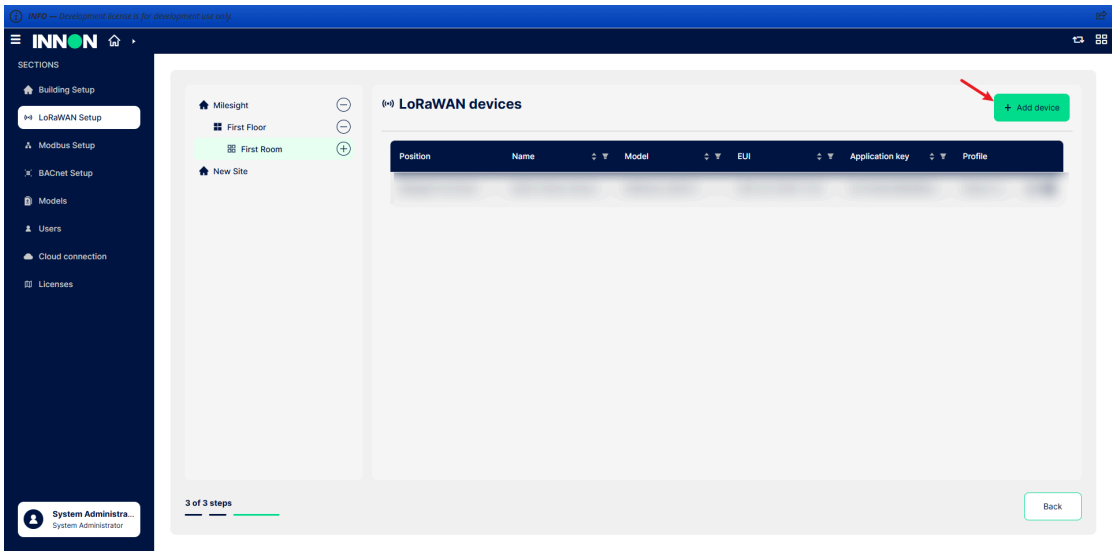
Click the "**Save and ping**" button, and wait for the progress bar to finish. Once complete, the gateway will be successfully integrated, as shown below:

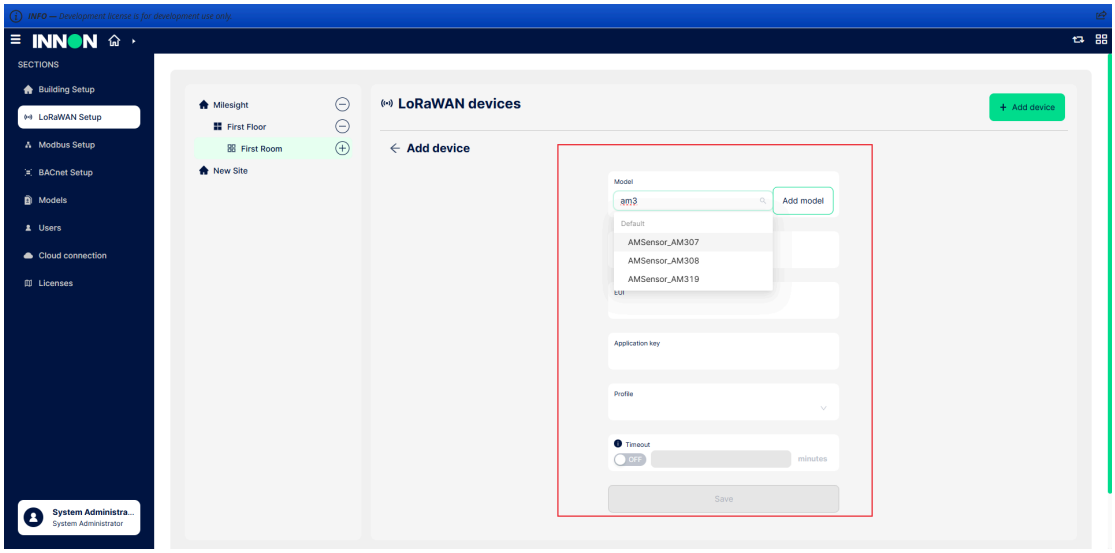


At this point, the gateway has been successfully integrated with the platform.

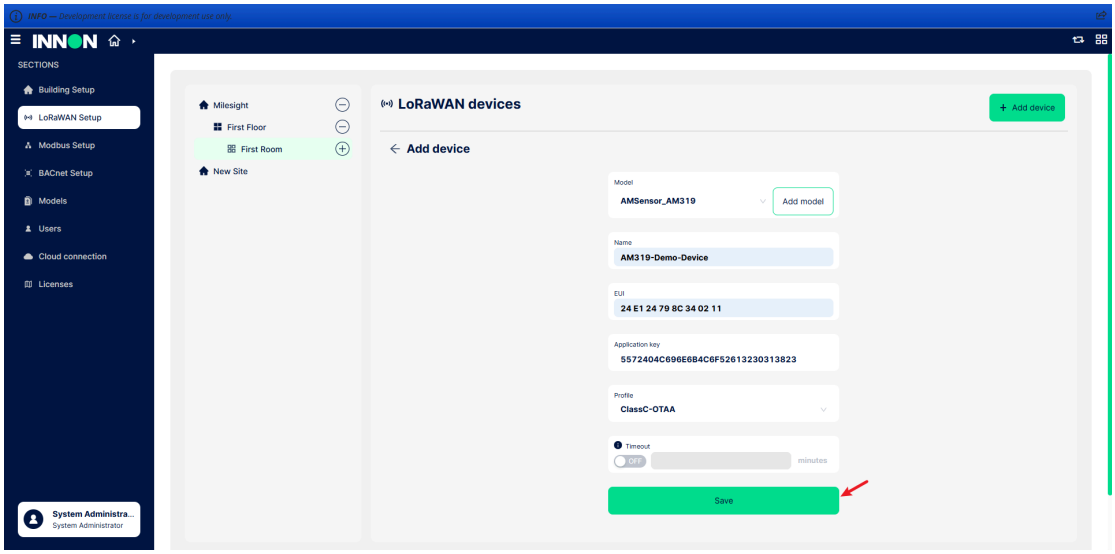
4. Adding a Sensor

In this example, the AM319 device is used. After clicking "**Next**" in the previous step, you will see the interface below. Click the “Add device” button:

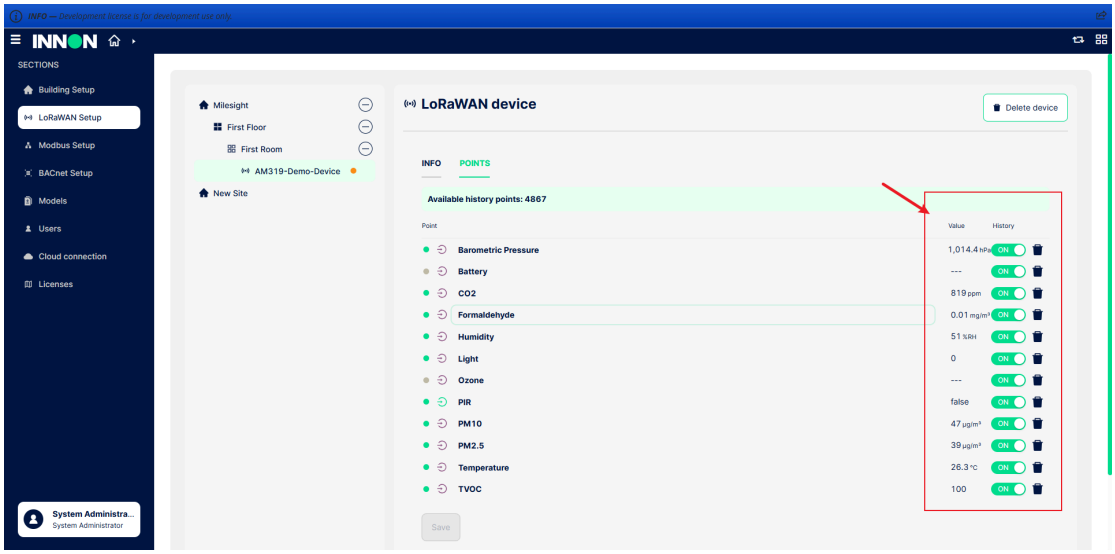




Fill in the LoRa parameters for the AM319 as prompted:



After entering the information, click "**Save**," then wait 3-5 minutes. The data from the AM319 device will be visible on the platform:



At this point, the entire process is complete, and we have successfully integrated the AM319 device via the UG65 gateway to transmit data to the J2 Innovations FIN platform in real-time.

-END-