

Locus User Documentation



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LOCUS WEB Application

User Manual

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1. Introduction

Welcome to the LOCUS Application Guide

This guide helps you get started with LOCUS — a simple yet powerful app for tracking assets indoors and outdoors in real time. Whether you're keeping an eye on equipment or managing items across locations, LOCUS makes it simple using Tektelic's IoT devices.

Here, you'll learn how to set up and work with the app's core features and elements. We'll guide you step-by-step to get your tracking system up and running smoothly.

What makes LOCUS special?

- Track assets indoors with BLE scanning via Tektelic beacons.
- Monitor outdoor locations using GPS data from Tektelic devices.
- Pinpoint positions with WiFi location support powered by Semtech technology.
- Works with any LoRaWAN gateways and network servers for a seamless setup.
- Makes IoT tracking straightforward and accessible.

To start, visit [Tektelic Locus](#) and log in. Begin configuring your tracking system with precision!

2. Acronyms and Glossary

- **Altitude** - Height of an asset relative to sea level, measured in meters.
- **Asset** - An item or object user want's to track, such as equipment or inventory. In LOCUS, assets are linked to devices to monitor their location.
- **Asset ID** - Unique identifier automatically generated by the system for each asset.
- **Asset Status** - The current condition of an asset in LOCUS, shown as **Online** (actively tracked with real-time updates), **Offline** (no current data from the device), or **Not Active** (not linked to a device). This reflects whether the asset's position is being monitored.
- **Asset Type** - A category user creates in LOCUS to label your assets. It can be anything you need to track, like a van, cart, or road sign, helping you organize and identify assets easily.
- **Battery Level** - The most recent battery charge of a device or beacon (%).
- **Beacon** - Device from TEKTELIC or a third-party provider that uses BLE (Bluetooth Low Energy) to send signals. Beacons help devices locate assets indoors by acting as reference points for tracking.
- **Beacon ID** - Unique identifier automatically generated by the system for each beacon.
- **BLE (Bluetooth Low Energy)** - Wireless technology used by beacons for short-range communication.
- **Beacon model** - The specific type or version of a beacon used in LOCUS. For Tektelic beacons, the model is automatically pulled from the database. For third-party beacons, user will need to create and enter the model yourself.
- **Building** - A structure within a Site for indoor tracking. Contains floor plans. Linked to a Site.

- **Device** - A TEKTELIC IoT tracker that collects location data (via GPS, BLE, or WiFi). Devices must be assigned to an asset to display its position.
- **Device model** - Specific hardware model name of a tracking device (e.g., PELICAN).
- **Event** - Notification triggered by predefined conditions (e.g., low battery).
- **Event ID** - Unique identifier automatically generated by the system for each event.
- **Event Rules** - Custom conditions user set`s in LOCUS to trigger alerts about your assets. Examples include when an asset enters or exits a geofence, or when a device`s battery runs low.
- **Device EUI** – 64-bit globally-unique Extended Unique Identifier (EUI-64) is assigned by the manufacturer, or the owner, of the end device.
- **Floor Plan** - Internal layout map of a building, used for indoor tracking.
- **Home Site** - Logical or primary location assigned to an asset/device by the user.
- **Geofence**: A virtual boundary user creates in LOCUS to monitor assets indoors or outdoors. The user can set it up around a specific area (like a room or a site) and link it to event rules to trigger events, such as when an asset enters or exits the zone.
- **Indoor Map** – In LOCUS, this refers to a layout of a specific level within a building (e.g., an office floor or warehouse section). User will use indoor maps to place devices and beacons for precise indoor tracking.
- **Latitude** – A geographic coordinate that shows an asset`s north-south position on Earth. In LOCUS, it`s used with GPS data from Tektelic devices to track assets outdoors.
- **LoRa** - Long-range wireless communication technology used by tracking devices
- **Longitude** – A geographic coordinate that shows an asset`s east-west position on Earth. Paired with longitude in LOCUS, it pinpoints outdoor asset locations using GPS.
- **MAC Address** - 12-character unique network identifier for beacon devices.
- **Outdoor Map** – Global map showing the planet, focused on a specific Site. Tracks devices moving between Sites using GPS or WiFi.
- **PSR (Packet Success Rate)** - Percentage of successfully received data packets from a device within one hour.
- **RSSI (Received Signal Strength Indicator)**: Signal strength received from devices or beacons, measured in dBm.
- **SNR (Signal-to-Noise Ratio)** - Measurement of signal quality compared to background noise, expressed in decibels (dB).
- **Site** – Top-level location for managing tracking. Contains buildings or outdoor areas. Devices are assigned here.
- **Tag** – Custom labels used to categorize and organize assets.
- **Tenant** – Organization or workspace within the LOCUS application.

3. Product Overview

LOCUS by TEKTELIC is your go-to app for real-time indoor and outdoor asset tracking. It's simple, smart, and gives you full control over your stuff—whether it's equipment in a warehouse, tools in an office, or shipments on the move.

Using TEKTELIC's IoT devices, LOCUS tracks assets with BLE beacons for indoor spaces and GPS/WiFi for outdoor areas. It works with all LoRaWAN Gateways and Network Servers, so user is covered no matter your setup. User creates Sites (your main locations), Buildings, and Floor Plans, then add Devices and Assets to a Home Site. Assets can roam between Sites, and you'll see it all on a global Outdoor Map. Set up Geofences and Alarm Rules to get alerts when things move where they shouldn't.

No position shows until a Device is linked to an Asset—you have complete flexibility to configure it your way. With clear maps and easy steps, LOCUS keeps tracking simple and precise.

4. Key Features

LOCUS empowers user to track assets indoors and outdoors with precision and ease. Here are its standout features to streamline your asset management:

- **Real-Time Tracking:** Monitor asset locations instantly using Tektelic devices with GPS (outdoors), BLE (indoors), or WiFi, so you always know where everything is.
- **Customizable Entities:** Create and manage sites, buildings, floor plans, devices, beacons, and assets yourself, tailoring the app to your exact needs.
- **Geofence Monitoring:** Set virtual boundaries (indoor or outdoor) and get alerts when assets enter or exit them, keeping you in control.
- **Event Rules:** Define custom alerts for key events, like an asset moving in or out of a geofence or a device's battery running low, with options for email, SMS, or app notifications.
- **Indoor Mapping:** Use floor plans to place devices and beacons, ensuring precise tracking inside buildings like warehouses or offices.
- **Asset Management:** Assign devices to assets and categorize them with custom asset types (e.g., van, cart, or sign) for easy organization.
- **Seamless Integration:** Works with any LoRaWAN gateways and network servers, plus Semtech's WiFi location tech, for a smooth, all-in-one setup.
- **Device Insights:** Track device status (Online, Offline, Not Active) and models (e.g., KONA Micro), with details auto-loaded from the Tektelic database.
- **Location Precision:** Pinpoint assets with latitude and longitude outdoors, or BLE reference points indoors, all updated live.
- **User-Friendly Setup:** Start tracking fast—just log in, configure your system, and let LOCUS guide you step-by-step to unlock its full potential.

5. Initial Account Setup

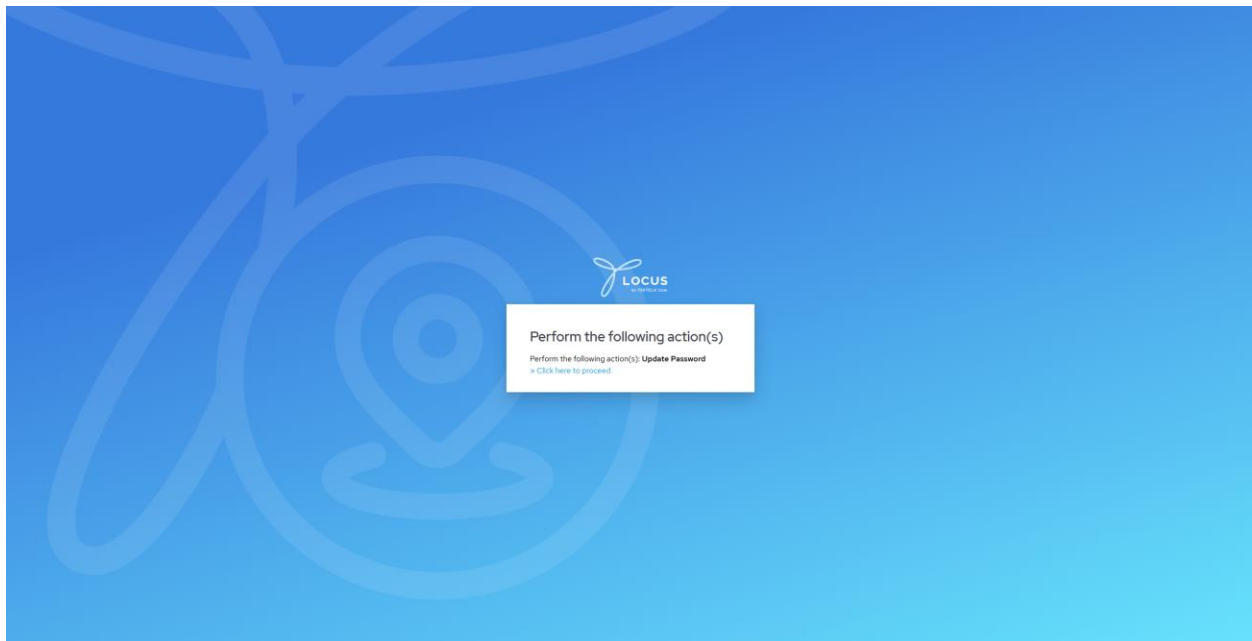
Here's how to get started with LOCUS for the first time:

1. **Check Your Email**

After your email is added to the system, you'll receive a password confirmation message. Look for a button labeled **Link to Account Update** in the email.

2. **Follow the Link**

Click **Link to Account Update**. You'll land on a page called "Perform the Next Actions."

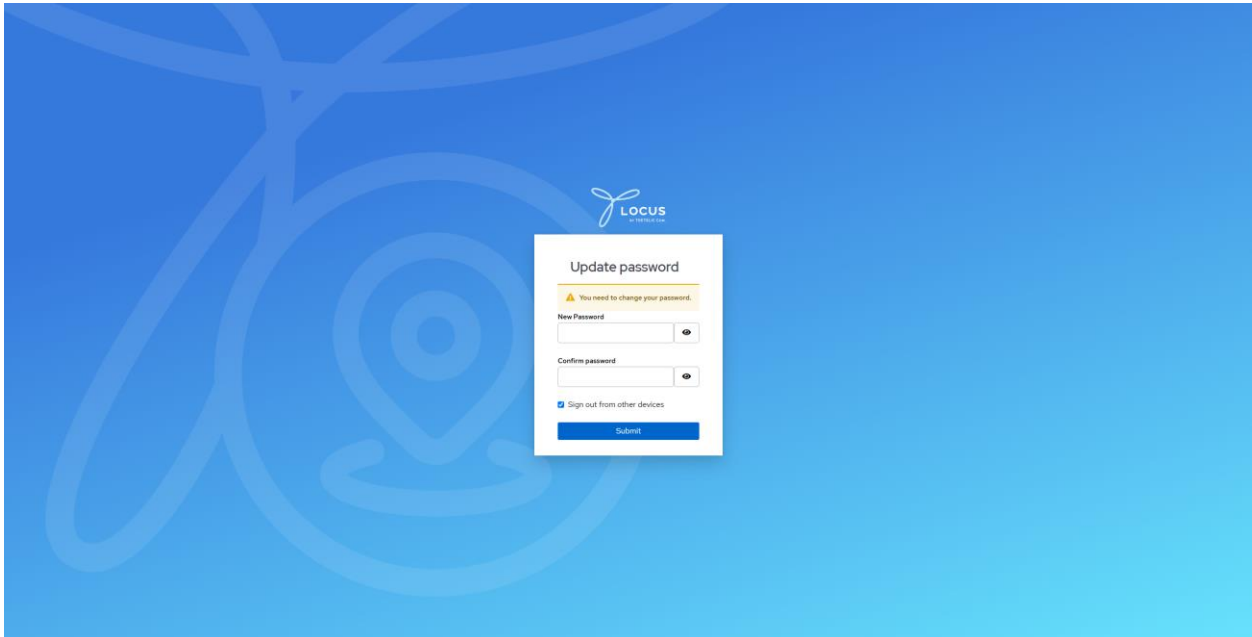


3. **Proceed Further**

On this page, find and click the **Click Here to Proceed** button.

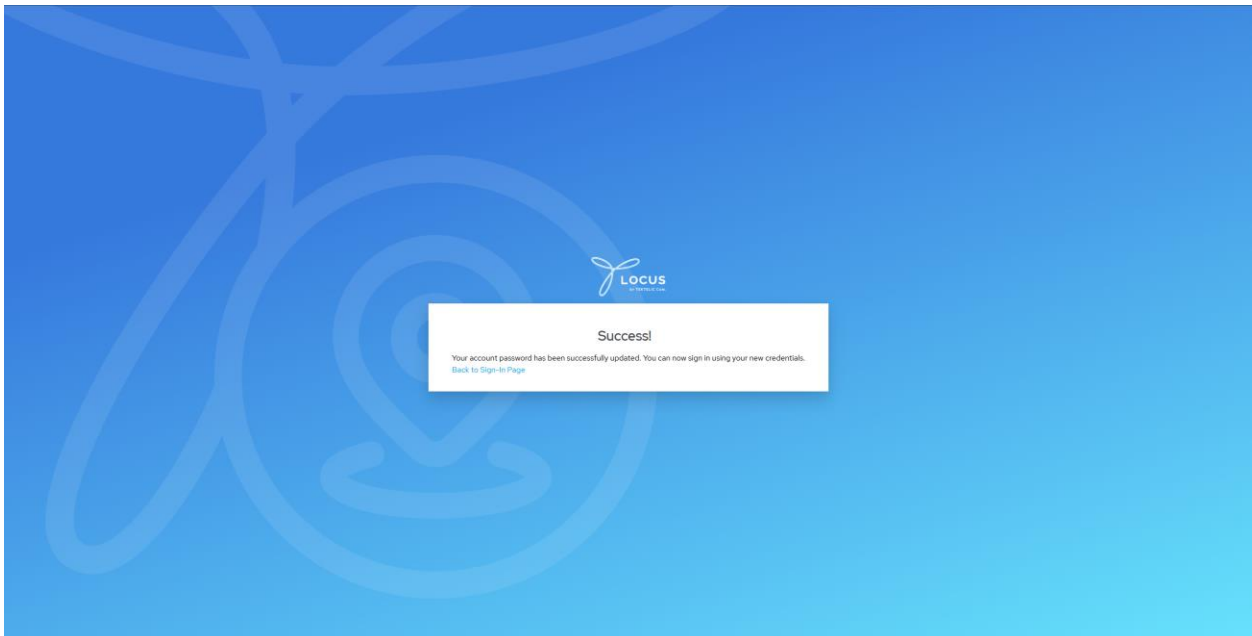
4. **Set Your Password**

You'll be taken to the "Update Password" page. Enter your new password and click **Submit**.



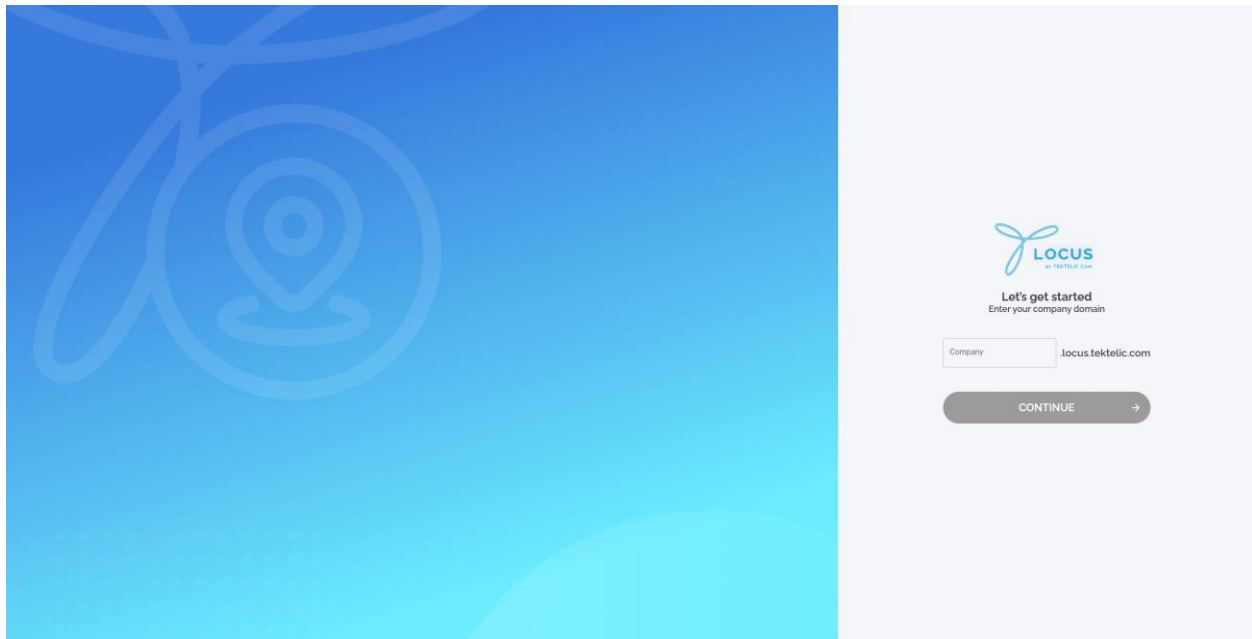
5. **Confirm Success**

After submitting, you'll see a "Success" screen. Click **Back to Sign-In Page**.



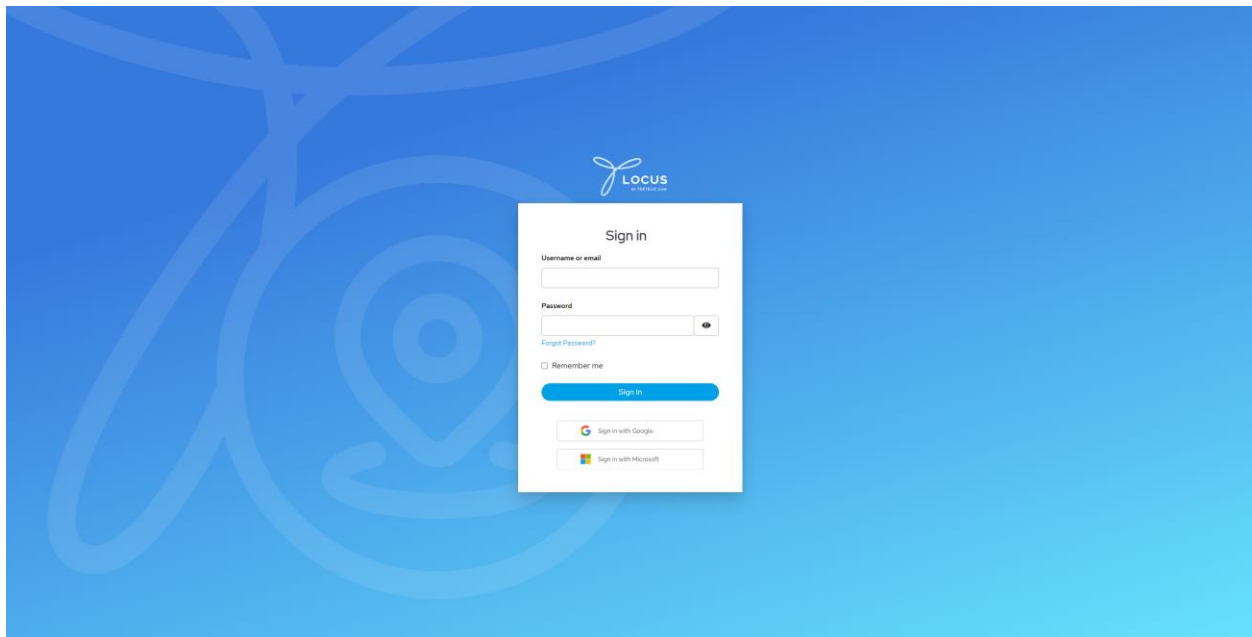
6. Add Your Organization

Next, you'll arrive at the "Let's Get Started" screen. Type your organization's name and click **Continue**.



7. Sign In

You'll reach the "Sign In" screen. Enter your email (login) and new password, then click **Sign In**.



Additional login options

Single Sign-On (SSO)

Use your Google or Microsoft account for a faster, secure login - no extra credentials needed.

6. Features & Functionalities

6.1 Home page

Overview

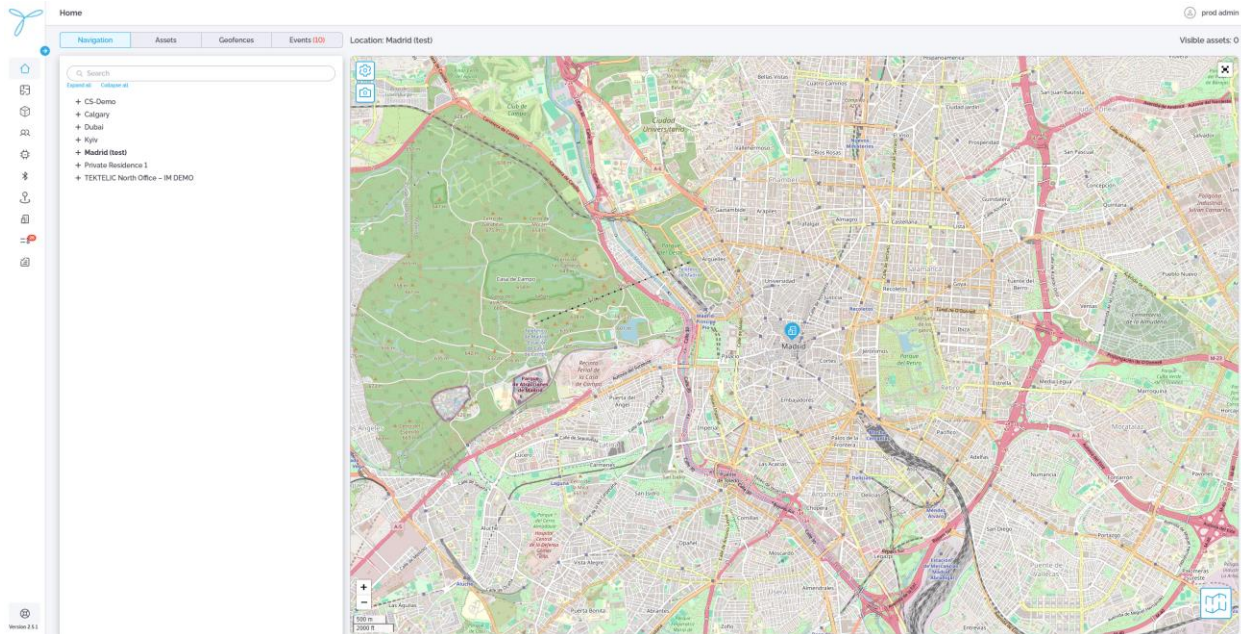
The Home page in LOCUS is your central hub for managing asset tracking. It's designed to give you full control over your sites and assets. Here's what you'll find:

- **Left Panel (Top to Bottom):**
 - **Home:** Jump back to the main view anytime.
 - **Floor Plans:** Access indoor layouts for precise tracking.
 - **Assets:** View and manage all your tracked items.
 - **Users:** Manage account access for your team.
 - **Devices:** Monitor Tektelic trackers and their status.
 - **Beacons:** View and manage all your beacon devices.
 - **Sites:** Select or edit your main locations.
 - **Buildings:** Organize structures within your sites.
 - **Events:** See triggered events across your system.
 - **Event Rules:** Set up custom alerts for your assets.
- **Sections Under "Home" (Site-Specific):**
 - These apply only to the selected site, shown alongside the map on the right:
 - **Navigation:** Displays a hierarchy tree (Sites > Buildings > Floor Plans) to navigate your setup.
 - **Assets:** Shows outdoor assets currently visible on the map.
 - **Geofences:** Lists all geofences added to the selected site.
 - **Events:** Displays all triggered events within the chosen site.

- **Interactive Map:**

- Shows outdoor locations with real-time updates, tied to the selected site.
- **Visibility Preferences:** Toggle the display of assets and geofences on or off.
- **Export Button:** Capture a screenshot of the map for your records.
- **Full Screen Mode:** Expand the map for a bigger view.
- **Map Type:** Switch between standard or satellite views.
- **Zoom In/Zoom Out:** Adjust the map scale with easy buttons.

From here, you can explore your tracking system, tweak settings, and keep everything organized.



6.1.1 Floor plans

Overview

Purpose: The Floor Plans page lets you manage indoor layouts for precise asset tracking within buildings. You can add, edit, or delete floor plans to organize your tracking setup.

Access: Reach this page by selecting **Floor Plans** from the left navigation panel on the Home page.

Intended Users: Admins and users with permissions to manage sites and buildings can access and use this page.

Floor Plan	Floor Level	Building	Site	Tags	
floor name	-	no_test	Kyiv	-	⋮
Daria test 2.5.0	-	Kyrylivska 15	Kyiv	-	⋮
test_floor	-	Main Building	Calgary	-	⋮
multilateration test	8	Kyrylivska 15	Kyiv	-	⋮
Flat room	1	Japan	Madrid (test)	BLE	⋮
Ground Floor G1	0	Car Parking	Dubai	BLE	⋮
CS Demo Floor	7	HBD	CS-Demo	BLE	⋮
Annas-Test	-	Kyrylivska 15	Kyiv	-	⋮
Private: Full Map (all floors)	1	Building 1	Private Residence 1	-	⋮
EE (User Guided)	-	Kyrylivska 15	Kyiv	-	⋮
TEKTELIC Calgary Office	main	Main Building	Calgary	-	⋮
Floor F8	8	Kyrylivska 15	Kyiv	-	⋮

Key Features and Functions

List View

- The table displays all floor plans you have access to, with default columns: Floor Plan, Floor Level, Building, Home Site, and Tags.
- **Column Configuration:** Click the gear icon to open Table Preferences. You can select which columns to show or hide from available options (e.g., Floor Plan, Floor Level, Tags). Columns can be rearranged by dragging, hidden by deselecting, but resizing is not supported.

<input type="checkbox"/>	Site Name	Assets Inside	Tags	Site ID	Create Date	
<input type="checkbox"/>	Kyiv	1		52f3c41-45c7-4187-b395-b17c1ab99db6	02-05-2025 01:04 AM	⋮
<input type="checkbox"/>	Sandbor	-		e482f543-8ec2-4c97-e09a-02137a353d30	02-05-2025 01:39 PM	⋮
<input type="checkbox"/>	Calgary	-		a96f2094-99a5-4590-85b4-4963e5643e95	-	⋮
<input type="checkbox"/>	Calgary Test	-		e6d310d6-006d-4372-b004-6559ae5d6285	-	⋮
<input type="checkbox"/>	SiteOG	-		0a0a5658-ca0b-454c-8870-95c4ff2bc10e	02-10-2025 02:38 PM	⋮
<input type="checkbox"/>	2ndsite	-		6f22f5d0-369d-4373-eded-3fb5c9d3e0f5	02-11-2025 05:15 PM	⋮
<input type="checkbox"/>	1stsite	-		54e1af90-1c02-4a2b-8515-74a7b70b0e88	03-03-2025 05:10 PM	⋮
<input type="checkbox"/>	2ndsite	-		873a0d97-e64e-408f-5a64-77652f4ec6c2	03-03-2025 05:10 PM	⋮

Table preferences

- Site Name
- Assets Inside
- Tags
- Site ID
- Create Date

Page: 1 Rows per page: 50 1-8 of 8

- **Search, Filter, Sort:** Use the search bar to find floor plans by name, apply filters (e.g., by Home Site or Building) via the filter icon, and sort columns like Floor Level in ascending or descending order.

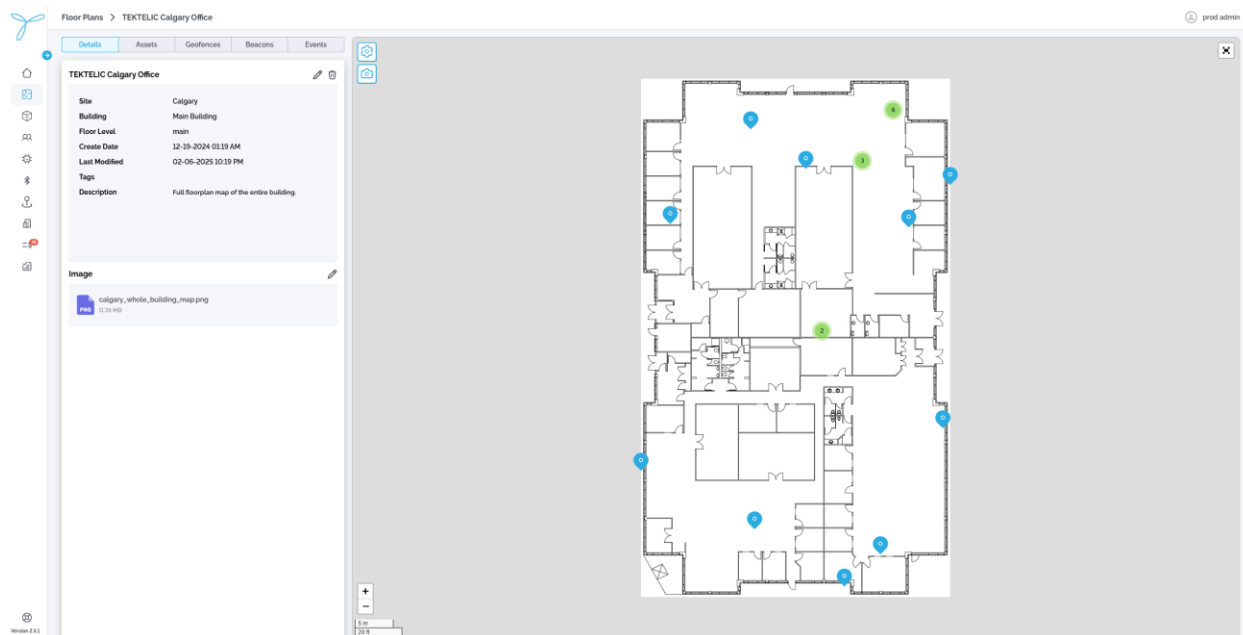
Floor Plan	Floor Level	Building	Site	Tags
floor name	-	rs_test	Kyiv	-
Devia test 2.5.0	-	Kyjyivska 15	Kyiv	-
test_floor	-	Main Building	Calgary	-
multilateration test	8	Kyjyivska 15	Kyiv	-
Flat room	1	Japan	Madrid (test)	BLF
Ground Floor G1	0	Car Parking	Dubai	BLF
CS Demo floor	7	HBO	CS-Demo	BLF
Annex-Test	-	Kyjyivska 15	Kyiv	-
Private: Full Map (all floors)	1	Building 1	Private Residence 1	-
BI (User Guide)	-	Kyjyivska 15	Kyiv	-
TEKTELIC Calgary Office	main	Main Building	Calgary	-
Floor FB	8	Kyjyivska 15	Kyiv	-

- **Actions (Based on Permissions):**
 - Admins: Add, edit, or delete floor plans.
 - Standard Users: View floor plans; edit or delete if granted explicit permissions.

Detailed View

- Open the detailed view by clicking a floor plan in the table (e.g., "South-West Wing").
 - The detailed view shows the floor plan's details:
 - **Site:** The associated site (e.g., Calgary Test).
 - **Building:** The building tied to the floor plan (e.g., TEKTELIC office).
 - **Floor Level:** The level of the floor (e.g., main).
 - **Create Date:** When the floor plan was added (e.g., 12-19-2024 01:19 AM).
 - **Last Modified:** The last update timestamp (e.g., 02-06-2025 10:19 PM).
 - **Tags:** Assigned tags for organization (e.g., grey, green, navy).
 - **Description:** A brief note about the floor plan (e.g., "Full floorplan map of the entire building").
 - **Image:** The uploaded map file details (e.g., "calgary_whole_building_map.png", 0.34 MB).
 - **Map View:** Displays the floor plan layout with placed beacons (marked as green or blue dots) for indoor tracking.
 - **Tabs (Sections):**
 - **Details:** Shows the floor plan's core information (as listed above).
 - **Assets:** Lists assets assigned to this floor plan, showing their current positions if devices are linked.

- **Geofences:** Displays geofences defined within this floor plan, including their boundaries and associated rules.
- **Beacons:** Shows all beacons placed on the map, with options to adjust their positions or add new ones.
- **Events:** Provides a log of events triggered on this floor plan (e.g., asset entering a geofence), with timestamps and details.
- **Visibility Preferences:** Access this option to toggle the display of assets and geofences on the map view (e.g., show only beacons or hide all overlays).
- **Actions (Based on Permissions):**
 - Admins: Edit or delete the floor plan, place or adjust beacons, manage geofences, and view/edit assets or events.
 - Standard Users: View details; edit, delete, adjust beacons, or manage geofences/assets/events if permitted.



6.1.2 Add New Floor Plan

Conditions: You need admin permissions or explicit rights to add floor plans. A site and building must already exist in LOCUS.

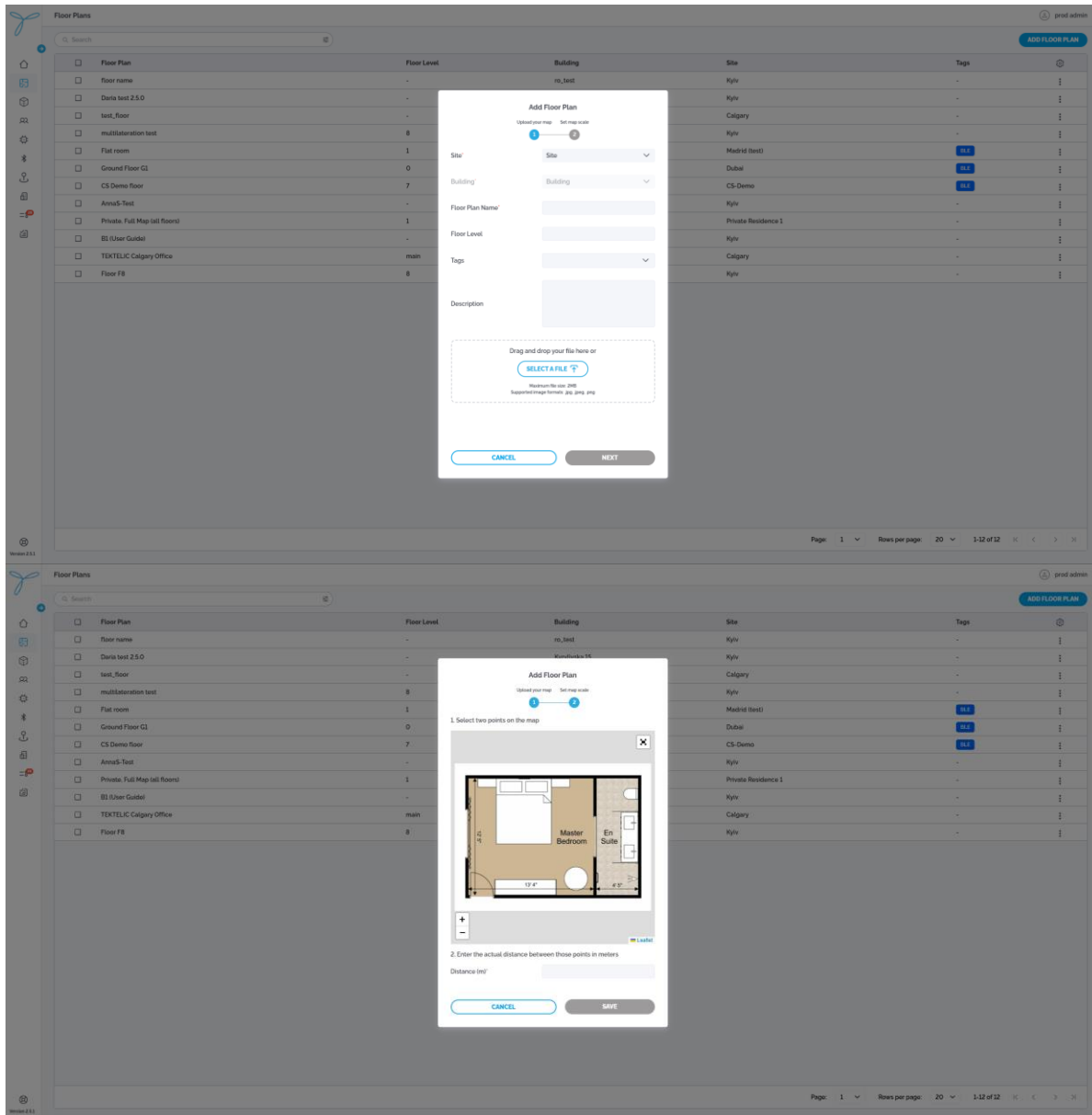
Steps:

1. From the Floor Plans page, click **Add Floor Plan**.
2. Fill in the required fields and upload a map file.
3. Click **Next** to proceed to map setup (Step 2).
4. Adjust the map scale as needed and confirm.
5. Click **Save** to create the floor plan.

Fields:

- **Site** (Required): Select the site (e.g., Kyiv).
- **Building** (Required): Choose the building within the site (e.g., Building2).
- **Floor Plan Name** (Required): Enter a unique name (e.g., "South-West Wing").
- **Floor Level** (Optional): Specify the level (e.g., "1").
- **Tags** (Optional): Add tags for organization (e.g., "red", "green").
- **Description** (Optional): Include a brief note about the floor plan.
- **Map File** (Required): Upload an image file (supported formats: jpg, png; max size: 2MB).

Expectations: The new floor plan is now available in the list and can be used to place devices and beacons for indoor tracking.



6.1.3 Edit Floor Plan

Conditions: You need admin permissions or explicit rights to edit floor plans. The floor plan must already exist.

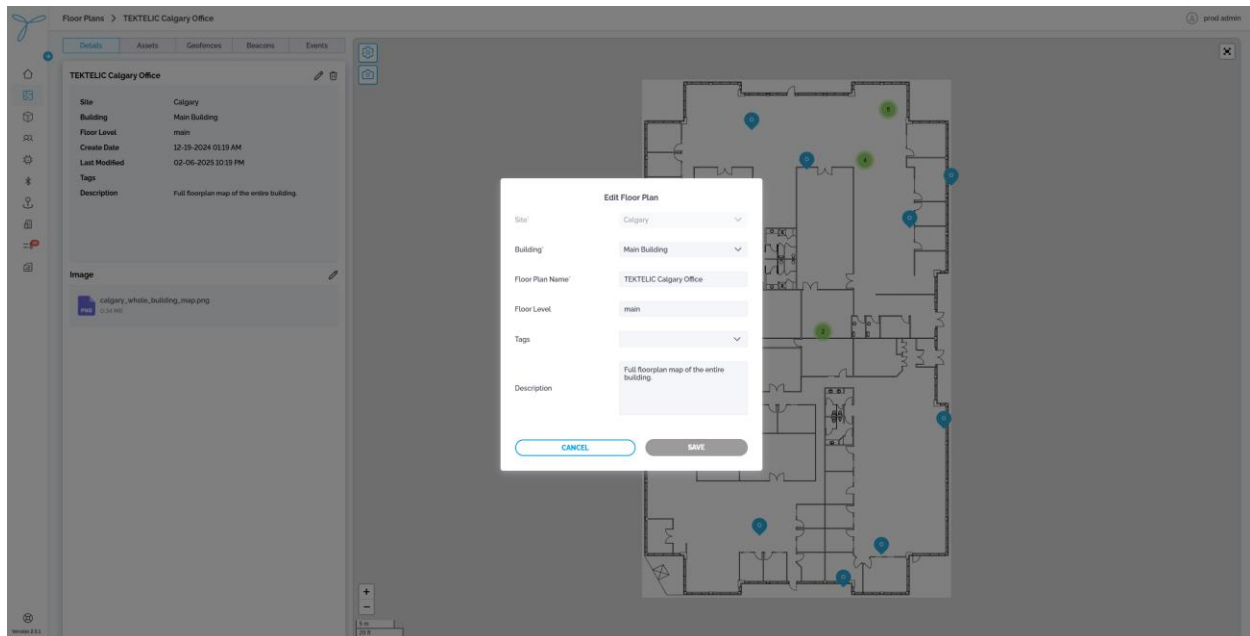
Steps:

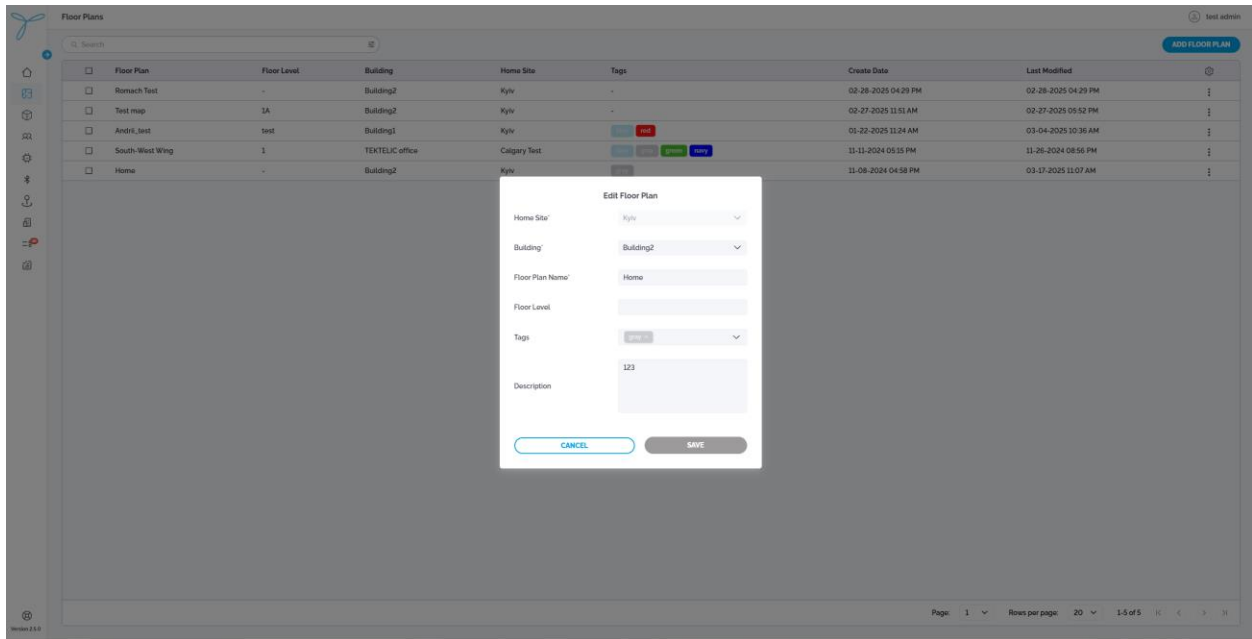
1. From the Floor Plans page, click a floor plan in the table (e.g., "Calgary_test").
2. In the detailed view, select **Edit Floor Plan**.
3. Update the fields as needed.
4. Click **Save** to confirm changes.

Fields:

- **Site:** Cannot be edited; tied to the original selection.
- **Building:** Cannot be edited; tied to the original site.
- **Floor Plan Name (Editable):** Change the name (must remain unique).
- **Floor Level (Editable):** Update the level (e.g., from "1" to "2").
- **Tags (Editable):** Add or remove tags.
- **Description (Editable):** Modify the description.
- **Map File:** Can be edited in the Floor plan's detailed view. Section "Image".

Expectations: The updated floor plan reflects your changes in the list and can continue to be used for indoor tracking

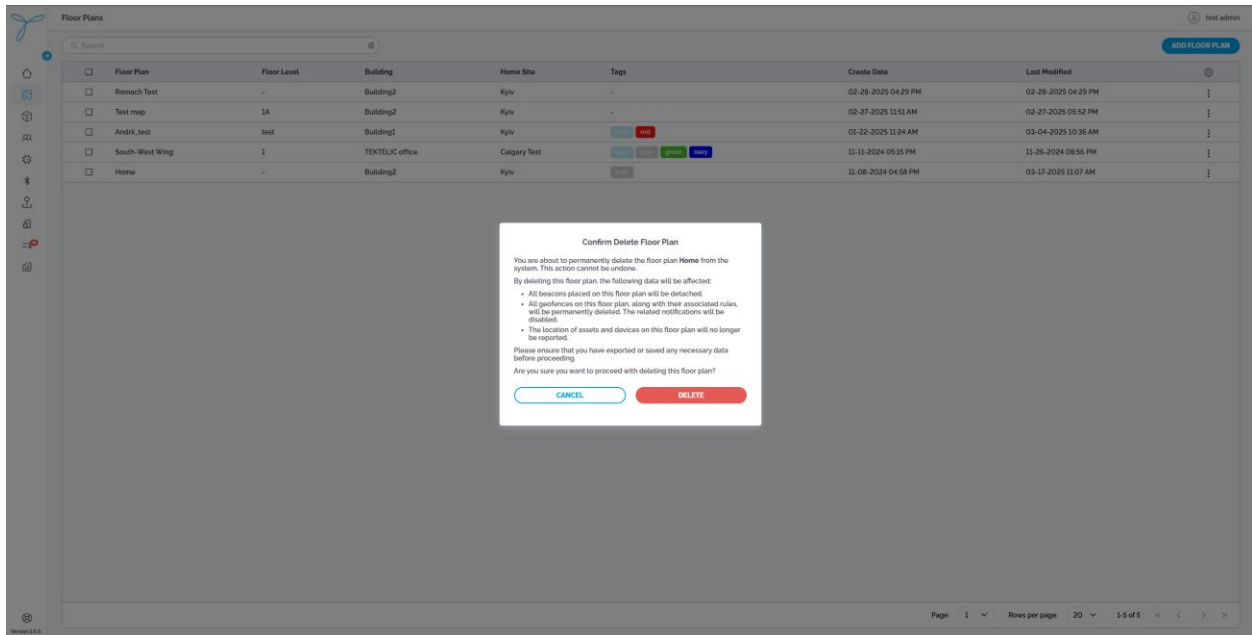


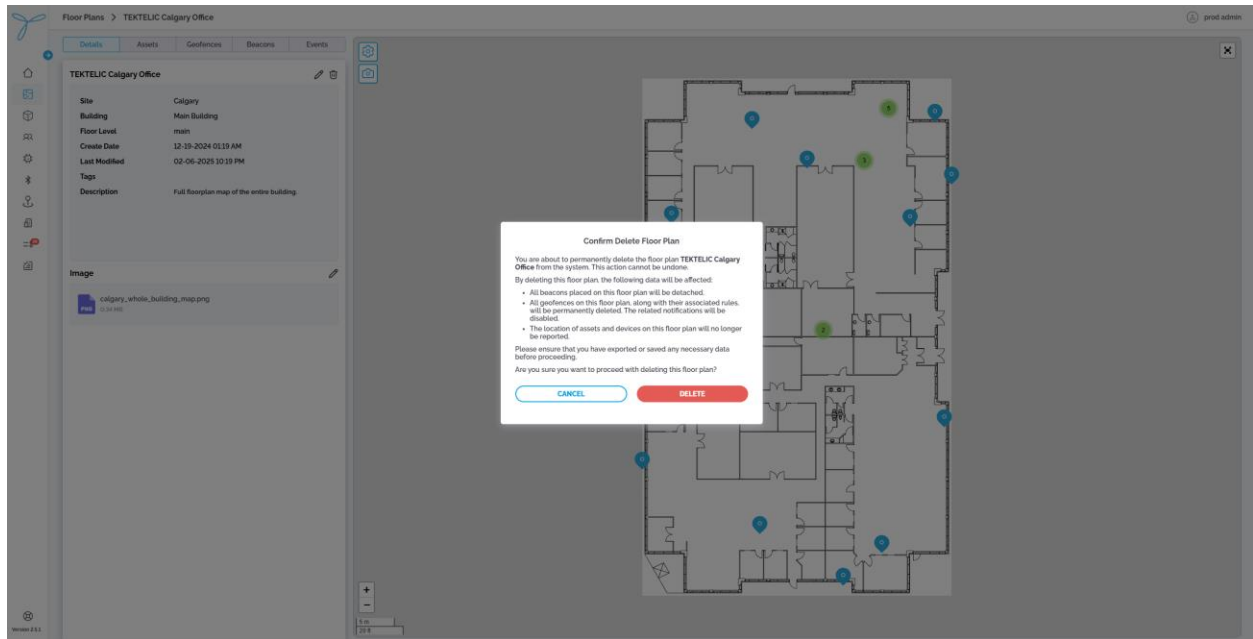


6.1.4 Delete Floor Plan

Conditions: You need admin permissions or explicit rights to delete floor plans. The floor plan must not have active devices or beacons assigned to it.

Consequences: Deleting a floor plan removes its layout and any associated settings. This may affect indoor tracking if devices or beacons were linked to it.





6.1.5 Floor plan “Assets”

Overview

Purpose: The Floor Plan Assets page displays assets that have determined their position on the selected floor plan, allowing you to monitor their locations indoors.

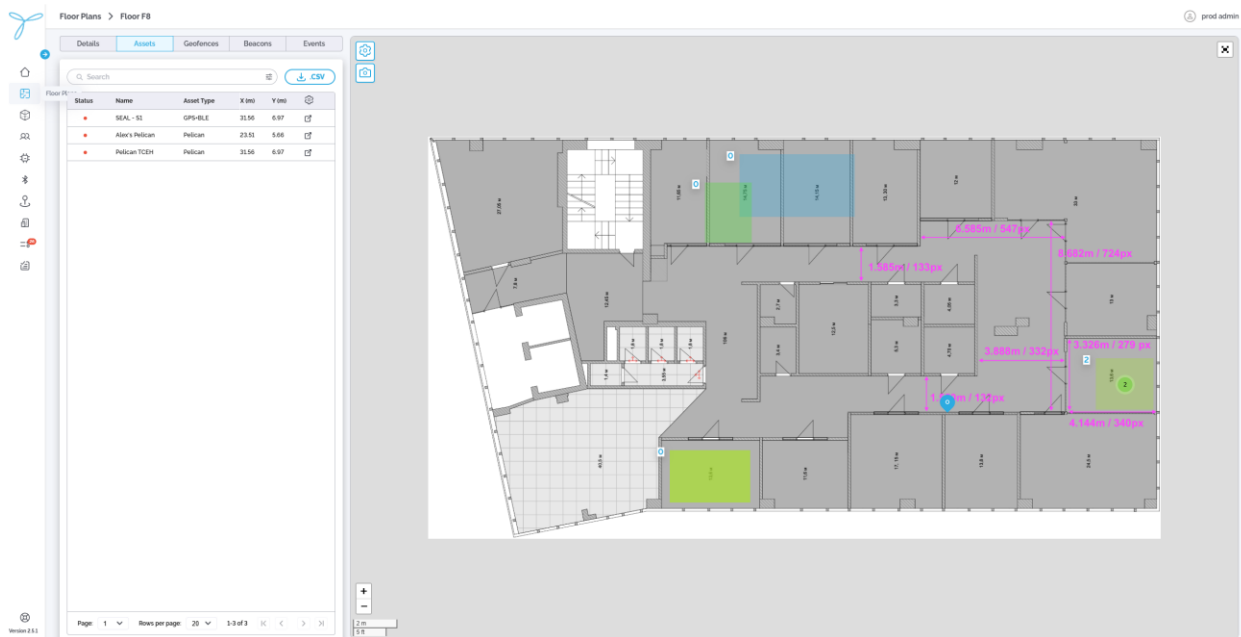
Access: Reach this page by selecting the **Assets** tab in the detailed view of a floor plan from the Floor Plans page.

Intended Users: Admins and users with permissions to view or manage assets and floor plans can access and use this page.

Key Features and Functions

List View

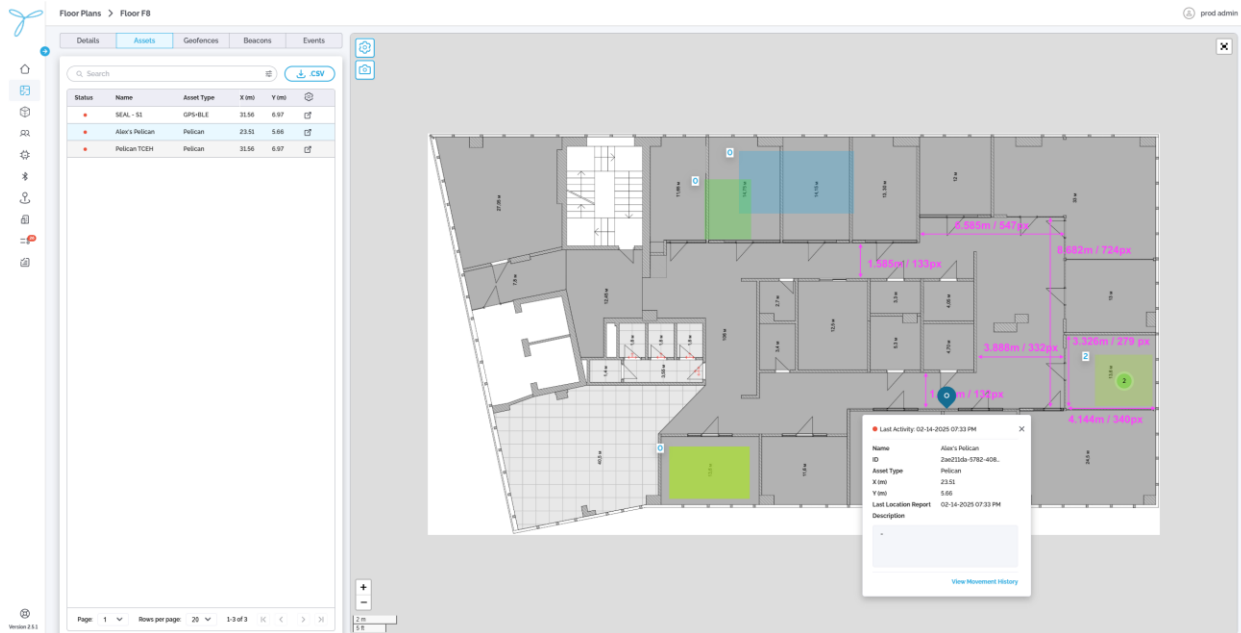
- The table displays assets that have determined their position on the selected floor plan, with default columns: Status, Name, Asset Type, X(m), and Y(m).
- **Column Configuration:** Click the gear icon to open Table Preferences. You can select which columns to show or hide from available options (e.g., Status, Name, Asset Type, X(m), Y(m)). Columns can be rearranged by dragging, hidden by deselecting, but resizing is not supported.
- **Search and Sort:** Use the search bar to find assets by name and sort columns like X(m) or Y(m) in ascending or descending order. Filtering is not available.
- **Actions (Based on Permissions):**
 - Admins: View asset details; edit asset assignments if permitted.
 - Standard Users: View asset details; edit assignments if granted explicit permissions.



Detailed View

- Open the detailed view by clicking an asset on the map (e.g., the marker labeled "Alex's Pelican").
- The detailed view opens a modal with the asset's details:
 - **Last Activity:** The last recorded activity timestamp (e.g., 02-14-2025 03:33 PM).
 - **ID:** A unique identifier (e.g., 2aa211d5-5784-40b8...).
 - **Asset Type:** The type of asset (e.g., Pelican).
 - **X(m):** The X-coordinate on the floor plan (e.g., 23.51).
 - **Y(m):** The Y-coordinate on the floor plan (e.g., 6.67).
 - **Last Location Report:** The timestamp of the last position update (e.g., 02-14-2025 03:33 PM).

- **Description:** A brief note about the asset (optional; e.g., none in this case).
- **Map View:** Displays the asset's position on the floor plan map (marked as a dot), along with geofences and beacons.
- **Map Controls:**
 - **Visibility Preferences:** Toggle the display of geofences and assets on the map.
 - **Export:** Capture a screenshot of the map.
- **Additional Options:**
 - **View Movement History:** Access the asset's historical location data.
- **Actions (Based on Permissions):**
 - Admins: View movement history; edit asset details or assignments if permitted.
 - Standard Users: View details; edit or view history if permitted.



Fields:

- **Last Activity:** Cannot be edited; updates automatically.
- **ID:** Cannot be edited; system-generated.
- **Asset Type:** Cannot be edited on this page; must be changed in the Assets section.
- **X(m):** Cannot be edited; determined by the device's position.
- **Y(m):** Cannot be edited; determined by the device's position.
- **Last Location Report:** Cannot be edited; updates automatically.
- **Description (Editable):** Add or modify the description (must be edited in the Assets section).

6.1.6 Floor plan “Geofences”

Overview

Purpose: The Floor Plan Geofences page allows you to define and manage geofence boundaries within a selected floor plan for monitoring asset movements indoors.

Access: Reach this page by selecting the **Geofences** tab in the detailed view of a floor plan from the Floor Plans page.

Intended Users: Admins and users with permissions to manage geofences and floor plans can access and use this page.

Key Features and Functions

List View

- The table displays all geofences associated with the selected floor plan, with default columns: Name, Assets Inside, and Tags.
- **Column Configuration:** Click the gear icon to open Table Preferences. You can select which columns to show or hide from available options (e.g., Name, Assets Inside, Tags). Columns can be rearranged by dragging, hidden by deselecting, but resizing is not supported.
- **Search:** Use the search bar to find geofences by name and sort columns like Assets Inside in ascending or descending order. Filtering is not available.
- **Actions (Based on Permissions):**
 - Admins: Add, edit, or delete geofences.
 - Standard Users: View geofences; edit or delete if granted explicit permissions.

The screenshot displays the 'Floor Plans > Floor FB' interface. On the left, a table lists geofences with columns for Name, Assets Inside, and Tags. The table contains four entries: Room 11 Geofence, Room 7 Geofence, Room 1 Geofence, and Room 9 Geofence. Each entry has a gear icon for configuration and a blue button labeled 'BLP'. Below the table is a search bar and pagination controls showing 'Page 1', 'Rows per page 20', and '1 of 4'. On the right, a floor plan map shows several rooms with colored geofence boundaries (green, blue, and pink) overlaid. A search bar and a close button are visible at the top of the map area. The user's role 'prod admin' is shown in the top right corner.

Detailed View

- Open the detailed view by clicking a geofence on the map (e.g., the green zone labeled "Room 9 Geofence").
- The detailed view opens a modal with the geofence's details:
 - **ID:** A unique identifier (e.g., 4886B10-6EF4-4E8B).
 - **Assets Inside:** The number of assets currently within the geofence (e.g., "2").
 - **Create Date:** When the geofence was added (e.g., 02-21-2025 12:10 PM).
 - **Last Modified:** The last update timestamp (e.g., 02-21-2025 12:10 PM).
 - **Last Modified By:** The user who last edited the geofence (e.g., atlas.user@tektelic.com).
 - **Name (Editable):** The geofence's identifier (e.g., "Room 9 Geofence").
 - **Description (Editable):** A brief note about the geofence (e.g., add a note like "Monitors conference room").
 - **Color and Transparency (Editable):** Adjust the geofence's color (e.g., green) and transparency for visibility on the map.
 - **Map View:** Displays the geofence boundaries (e.g., green or blue zones) on the floor plan map, with dimensions and positions.
- **Map Controls:**
 - **Visibility Preferences:** Toggle the display of geofences and assets on the map.
 - **Export:** Capture a screenshot of the map.
 - **Draw Rectangle:** Create a new rectangular geofence.
 - **Draw Polygon:** Create a new polygon-shaped geofence.
 - **Drag:** Move an existing geofence to a new position on the map.
 - **Resize:** Adjust the size of a geofence.
 - **Rotate:** Rotate a geofence on the map.
 - **Delete:** Remove a selected geofence from the map.

- **Actions (Based on Permissions):**
 - Admins: Edit geofence details (name, description, color, transparency), adjust its shape or position, or delete it.
 - Standard Users: View details; edit or delete if permitted.



6.1.7 Add New Floor Plan Geofence

Conditions: You need admin permissions or explicit rights to add geofences. The floor plan must already exist, and a map file must be uploaded.

Steps:

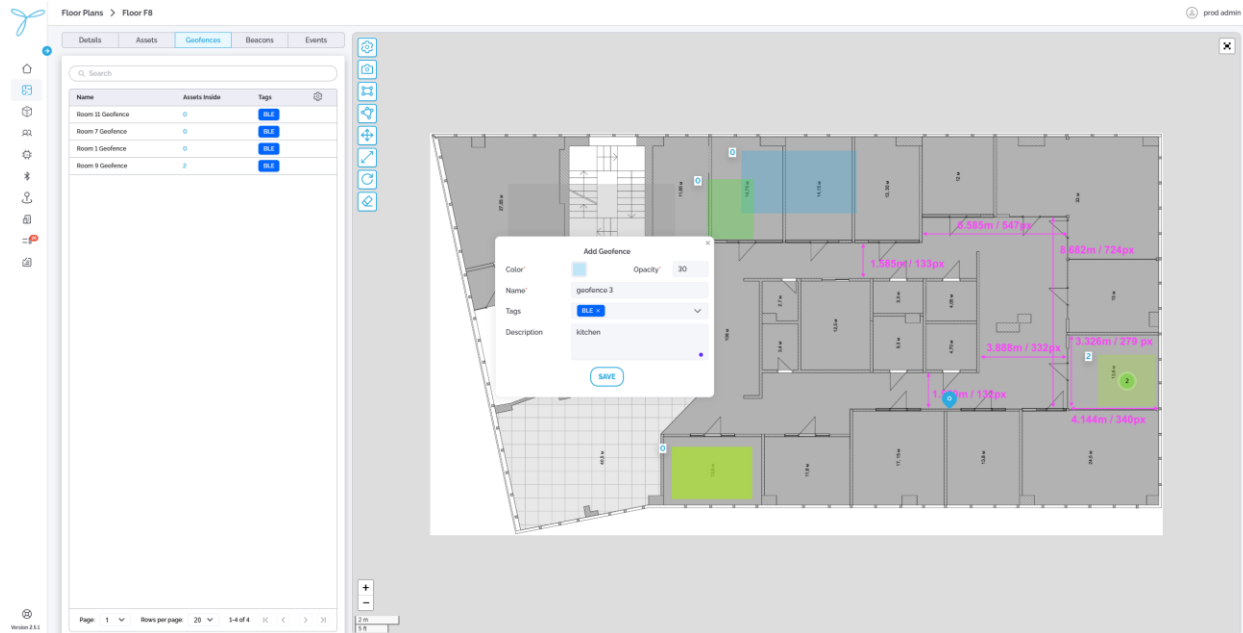
1. From the Floor Plan Geofences page, select the map view.
2. Click **Draw Rectangle** or **Draw Polygon** to create a new geofence shape.
3. Define the geofence by clicking and dragging to set its boundaries.
4. Enter a name, optional description, tags, color, and transparency in the prompted fields.
5. Click **Save** to create the geofence.

Fields:

- **Name (Required):** Enter a unique name (e.g., "Room 9 Geofence").
- **Assets Inside (Auto-filled):** Displays the number of assets within the geofence after creation.
- **Create Date (Auto-filled):** Set automatically upon creation.
- **Last Modified (Auto-filled):** Updated automatically when edited.
- **Last Modified By (Auto-filled):** Records the user who made the change.
- **Description (Optional):** Add a note (e.g., "Monitors conference room").
- **Tags (Optional):** Add tags for organization (e.g., "BLE").

- **Color and Transparency (Optional):** Choose the geofence's color (e.g., green) and transparency.
- **Shape and Position (Required):** Define the geofence area using Draw Rectangle or Draw Polygon tools.

Expectations: The new geofence is added to the list and can be used to trigger event rules when assets enter or exit.



6.1.8 Edit Floor Plan Geofence

Conditions: You need admin permissions or explicit rights to edit geofences. The geofence must already exist.

Steps:

1. From the Floor Plan Geofences page, click a geofence on the map (e.g., "Room 9 Geofence").
2. In the detailed view modal, click **Edit**.
3. Update the name, description, color, or transparency as needed.
4. Use **Drag, Resize, or Rotate** to adjust the geofence's position or shape on the map.
5. Click **Save** to confirm changes.

Fields:

- **ID:** Cannot be edited; system-generated.
- **Assets Inside:** Cannot be edited; updates automatically based on asset positions.
- **Create Date:** Cannot be edited; set at creation.
- **Last Modified:** Cannot be edited; updates automatically.

- **Last Modified By:** Cannot be edited; updates automatically.
- **Name (Editable):** Change the name (must remain unique).
- **Description (Editable):** Add or modify the description.
- **Tags (Editable):** Add or remove tags.
- **Color and Transparency (Editable):** Adjust the geofence's appearance.
- **Shape and Position:** Editable using Drag, Resize, or Rotate; cannot change the type (rectangle/polygon) once set.

Expectations: The updated geofence reflects your changes in the list and continues to monitor assets.

6.1.9 Delete Floor Plan Geofence

Conditions: You need admin permissions or explicit rights to delete geofences. The geofence must not be linked to active event rules.

Consequences: Deleting a geofence removes its boundaries and stops monitoring assets within it. This may affect associated event rules or reports.

Steps:

1. From the Floor Plan Geofences page, click the **Delete** button (eraser icon) on the map controls.
2. Click the geofence you want to delete on the map (e.g., "Room 9 Geofence").
3. Click the **Delete** button again to confirm the deletion.

Expectations: The geofence is permanently removed from the list and cannot be restored. You'll need to recreate it if needed.



6.1.10 Floor Plan "Beacons"

Overview

Purpose: The Floor Plan Beacons page allows you to manage and monitor beacons placed on a selected floor plan, enabling precise indoor positioning and asset tracking within buildings. Beacons are critical for determining asset locations in indoor environments by communicating with devices paired with assets.

Access: Reach this page by selecting the Beacons tab in the detailed view of a floor plan from the Floor Plans page.

Intended Users: Admins and users with permissions to manage beacons and floor plans can access and use this page.

Key Features and Functions

List View

The table displays all beacons associated with the selected floor plan, with default columns: Name, MAC Address, Localization Mode, X (m), Y (m).

- **Name:** The identifier of the beacon (e.g., "AC23F58ECEB").
- **MAC Address:** The unique MAC address of the beacon (e.g., "AC:23:F5:8E:CE:B").
- **Localization Mode:** The mode in which the beacon operates (e.g., "Nearest" or "Regular").
- **X (m):** The X-coordinate of the beacon on the floor plan (e.g., "12.30").
- **Y (m):** The Y-coordinate of the beacon on the floor plan (e.g., "6.53").

Column Configuration (Table Preferences):

- Click the gear icon to open the Table Preferences modal.
- Select which columns to show or hide from available options (e.g., Name, MAC Address, Localization Mode, X (m), Y (m)).
- Columns can be rearranged by dragging, hidden by deselecting, but resizing is not supported.
- Click **Save** to apply changes; **Cancel** to discard.

Search: Use the search bar to find beacons by name or MAC address. Filtering and sorting are not available in this view.

Actions (Based on Permissions):

- **Admins:** Add, edit, or delete beacons; adjust their positions on the map.
- **Standard Users:** View beacons; edit, delete, or adjust positions if granted explicit permissions.

Map View

The map view displays the floor plan layout with placed beacons, marked as colored dots (e.g., purple for "Nearest", blue for "Regular", grey for "Unassigned"). The map includes room dimensions (e.g., "3.328m / 478 px") and labeled areas (e.g., "1", "2").

- Beacons are shown with their coordinates (e.g., "X: 123 Y: 65" for a beacon labeled "AC23F58ECEB").
- Colored geofences (e.g., green, blue) are visible if toggled on via Visibility Preferences.

Map Controls:

- **Zoom In/Out:** Use the "+" and "-" controls to adjust the map scale.
- **Export:** Capture a screenshot of the map using the camera icon.
- **Visibility Preferences:** Toggle the display of geofences, assets, and beacons on the map.
- **Drag:** Move a beacon to a new position on the map by clicking and dragging.

Detailed View

Open the detailed view by clicking a beacon on the map (e.g., the purple dot labeled "X: 123 Y: 65").

The detailed view opens a modal with the beacon's details:

- **ID:** A unique identifier (e.g., "647FDA000001F136").
- **Name:** The beacon's identifier (e.g., "AC23F58ECEB").
- **MAC Address:** The beacon's MAC address (e.g., "AC:23:F5:8E:CE:B").
- **Localization Mode:** The current mode (e.g., "Nearest").
- **Discovery Timeout (min):** The timeout setting (e.g., "120").
- **X (m):** The X-coordinate on the floor plan (e.g., "123").
- **Y (m):** The Y-coordinate on the floor plan (e.g., "65").
- **Create Date:** When the beacon was added (e.g., "02-21-2025 12:10 PM").
- **Last Modified:** The last update timestamp (e.g., "02-21-2025 12:10 PM").
- **Last Modified By:** The user who last edited the beacon (e.g., "admin@tektelic.com").
- **Description:** A brief note about the beacon (optional, e.g., "Placed in conference room").

Actions (Based on Permissions):

- **Admins:** Edit beacon details (name, localization mode, discovery timeout, description), adjust its position, or delete it.
- **Standard Users:** View details; edit or delete if permitted.



6.2 Assets

Overview

Purpose: The Assets page allows you to manage and monitor all assets within the system, including their types, locations (indoor and outdoor), device associations, and activity status.

Access: Access this page via the main navigation menu under the **Assets** section.

Intended Users: Admins and users with permissions to view or manage assets can access and use this page.

Key Features and Functions

List View (Main Table)

- The table displays all assets with the following default columns: Status, Name, Asset Type, Site, Building, Floor Plan, X(m), Y(m), Latitude, Longitude, ID, Device EUI, Device Type, Last Activity, Battery, RSSI/dBm, PSR (dB), Home Site, Altitude, Tags, Create Date.
- **Column Configuration (Table Preferences):**
 - Click the gear icon to open the **Table Preferences** modal.
 - Select which columns to show or hide (e.g., Status, Name, Asset Type, Site, Building, etc.).
 - Columns can be rearranged by dragging, hidden by deselecting, but resizing is not supported.
 - Click **Save** to apply changes; **Cancel** to discard.
- **Search and Sort:** Use the search bar to find assets by name or other criteria (e.g., ID, Device EUI) and sort columns like Last Activity or Battery in ascending or descending order. Filtering by Site, Building, or Floor Plan is available via the filter dropdowns.
- **Export Data:** Export the table to a .csv file by clicking the **CSV** button, including data matching current search and filter criteria.
- **Actions (Based on Permissions):**
 - **Edit:** Click the pencil icon next to an asset in the table to open the **Edit Asset** modal and modify details (see below).
 - **Delete:** Click the trash icon next to an asset in the table to open the **Confirm Delete Asset** modal and remove the asset (see below).
 - Admins: Add, edit, or delete assets; assign devices.
 - Standard Users: View assets; edit or delete if granted explicit permissions.

Status	Name	Asset Type	Site	Building	Floor Plan	X(m)	Y(m)	Latitude	Longitude	ID	Device EUI	Device Type	Last Activity	Battery	RSSI (dBm)
🟢	Roman's Chickadee (T0008534 AD 2433T0050)	Chickadee	Private Residence 1	Building 1	Private - Full Map (all floors)	18.75	9.03	-	-	e246dc2-6f2-4a70-ba30-2b8f5c9b01	647FDA000001F13C	CHICKADEE	03-18-2025 12:07 PM	75%	-72
🟢	Tom's Pelican 3	BLE	Calgary	Main Building	TEKTELIC Calgary Office	27.49	59.74	-	-	3a025034-a03c-481a-b9f3-29a9d1d6424	647FDA000001C929	PELICAN	03-18-2025 12:07 PM	87%	-55
🟢	Tom's Pelican 2	BLE	Calgary	Main Building	TEKTELIC Calgary Office	34.1	62.73	-	-	59b64c7f-8d86-4268-b85e-5c742c411384	647FDA000001F7C7	PELICAN	03-18-2025 12:07 PM	94%	-45
🟢	Tom's Pelican 1	BLE	Calgary	Main Building	TEKTELIC Calgary Office	28.1	55.83	-	-	f18f33a-3666-446a-9e03-630618f6a3ca	647FDA000001D940	PELICAN	03-18-2025 12:07 PM	94%	-50
🟢	Nadia's Chickadee	Chickadee	Calgary	Main Building	TEKTELIC Calgary Office	23	33.05	-	-	0c33a65b-521a-46cc-99a0-4b71ba984444	647FDA000001F11E	CHICKADEE	03-18-2025 12:07 PM	90%	-80
🟢	Zeno's Nearest Pelican 1	BLE	Calgary	Main Building	TEKTELIC Calgary Office	21.13	54.72	-	-	9b57f930-08af-4b4c-943c-85f6aa3052cd	647FDA000001D6DC	PELICAN	03-18-2025 12:06 PM	96%	-74
🟢	Jack's Chickadee	Chickadee	Calgary	Main Building	TEKTELIC Calgary Office	30.88	8.85	-	-	4a7ba073-a844-4f2c-8f03-3a039319a674	647FDA000001F138	CHICKADEE	03-18-2025 12:06 PM	92%	-69
🟢	Eugen's Chickadee	Chickadee	Calgary	Main Building	TEKTELIC Calgary Office	38.67	21.53	-	-	cfd02bbe-df84-4053-9f87-7930764642ff	647FDA000001F13A	CHICKADEE	03-18-2025 12:06 PM	91%	-87
🟢	Zeno's Chickadee	Chickadee	Calgary	Main Building	TEKTELIC Calgary Office	3.77	47.62	51.2006	-114.04214	cd9f5e61-a9a9-49d0-8176-c885ca398cf	647FDA000001F125	CHICKADEE	03-18-2025 12:06 PM	92%	-86
🟢	Emma's Chickadee	Chickadee	Calgary	Main Building	TEKTELIC Calgary Office	14.25	61.12	-	-	78d7563c-d7cd-48a0-9176-ca2be857ad59	647FDA000001F125	CHICKADEE	03-18-2025 12:06 PM	92%	-77
🟢	Alfredo's Chickadee	Chickadee	Calgary	Main Building	TEKTELIC Calgary Office	14.79	8.68	-	-	f971d62a-1a28-4943-b830-89998f0a326e	647FDA000001F137	CHICKADEE	03-18-2025 12:06 PM	91%	-78
🟢	Isaac's Chickadee	Chickadee	Calgary	Main Building	TEKTELIC Calgary Office	30.57	51.14	-	-	0046ba2f-4f56-4a7b-8c56-0db46af79f93	647FDA000001F12C	CHICKADEE	03-18-2025 12:04 PM	92%	-66
🟢	Dhan's Chickadee	Chickadee	Calgary	Main Building	TEKTELIC Calgary Office	31.9	62.35	-	-	v5d6143c-0f61-4605-8595-018a0a01218d	647FDA000001F13A	CHICKADEE	03-18-2025 12:04 PM	88%	-49
🟢	Algae's Chickadee	Chickadee	Calgary	Main Building	TEKTELIC Calgary Office	23.36	31.48	-	-	146af998-ee40-42a5-8d6f-1a32c18a6239	647FDA000001F12F	CHICKADEE	03-18-2025 12:03 PM	91%	-72
🟢	Shania's Chickadee	GPS-BLE	Calgary	Main Building	TEKTELIC Calgary Office	-	16.07	-	-	22478f9f-0443-4fba-af9a-1f5eacdf0b8f	647FDA000001F12D	CHICKADEE	03-18-2025 12:02 PM	91%	-72
🟢	Andrea's Chickadee	Chickadee	Calgary	Main Building	TEKTELIC Calgary Office	36.28	62.11	-	-	777bb4ab-d2ac-4345-885e-d2f8830414f	647FDA000001F13F	CHICKADEE	03-18-2025 12:02 PM	92%	-61
🟢	David's Chickadee	Chickadee IM DEMO	Calgary	Main Building	TEKTELIC Calgary Office	30.83	62.57	51.119963	-114.042072	83f00c2-0356-4d1a-b097-78d6847a6bcf	647FDA000001F121	CHICKADEE	03-18-2025 12:01 PM	95%	-49
🟢	Tom's Chickadee	GPS-BLE	Calgary	Main Building	TEKTELIC Calgary Office	34.18	45.1	51.119783	-114.045695	0e5c612b-0a33-42f0-bccc-f20a032b6573	647FDA000001F131	CHICKADEE	03-18-2025 11:57 AM	98%	-85
🟢	CS2 Demo StorK3	CS DEMO	-	-	-	-	-	1.30862	103.88466	1a1818f8-b845-4f5c-8a2b-f8b222a0c7bd	647FDA000001E362	STORK	03-18-2025 11:21 AM	89%	-75
🔴	Margo's Chickadee	GPS-BLE	Calgary	Main Building	TEKTELIC Calgary Office	30.48	60.61	51.030841	-114.068521	cb25c0f0-2241-4690-a26b-445c88f7ccaa	647FDA000001F128	CHICKADEE	03-18-2025 02:48 AM	94%	-107

Assets

prod admin

Q Search

CSV ADD ASSET

Status	Name	Site	Building	Floor Plan	X (m)	Y (m)	Latitude	Longitude	ID	Device EUI	Device Type	Last Activity	Battery	RSSI (dBm)	
🟢	Roman's Chickadee (T00B534 AD 2433)	Private Residence 1	Building 1	Private, Full Map (all floors)	18.75	9.03	-	-	e24dc2c-6f22-4a70-ba30-2b18f5ca9b1	647FDA00000F13C	CHICKADEE	03-18-2025 12:07 PM	75%	-72	
🟢	Tom's Pelican 3	Calgary	Main Building	TEXTELIC Calgary Office	27.49	59.74	-	-	3a025034-a62c-485a-bf63-22a6d11de924	647FDA00000C929	PELICAN	03-18-2025 12:07 PM	87%	-55	
🟢	Tom's Pelican 2	Calgary	Main Building	TEXTELIC Calgary Office	34.1	62.73	-	-	59664c7f-9b86-4268-b85a-5c7420411384	647FDA000000FFC7	PELICAN	03-18-2025 12:07 PM	94%	-45	
🟢	Tom's Pelican 1	Calgary	Main Building	TEXTELIC Calgary Office	28.1	55.83	-	-	f518f53a-3665-446a-9e03-630638f8e1ce	647FDA000000D940	PELICAN	03-18-2025 12:07 PM	94%	-50	
🟢	Nadia's Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	23	33.05	-	-	0c93a66b-523a-46cc-99a0-6b7ba9f96444	647FDA00000F11E	CHICKADEE	03-18-2025 12:07 PM	90%	-80	
🟢	Zenon's Nearest Pelican 1	BLE	Calgary	Main Building	TEXTELIC Calgary Office	21.13	54.72	-	-	9b5f7930-08af-4ba0-943c-85f4aa101cd	647FDA00000106DC	PELICAN	03-18-2025 12:06 PM	96%	-74
🟢	Jack's Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	30.88	8.65	-	-	4e7be1f3-a844-4f2c-8103-3a0393196a74	647FDA000000F138	CHICKADEE	03-18-2025 12:06 PM	92%	-69	
🟢	Eugene's Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	38.67	21.53	-	-	cf62a8e8-df84-4053-9187-79367646413f	647FDA000000F13A	CHICKADEE	03-18-2025 12:06 PM	91%	-87	
🟢	Zenon's Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	3.77	47.62	5112006	-114.04214	c0f95e11-a9d9-4b70-810c-f865c8a18fcf	647FDA000000F136	CHICKADEE	03-18-2025 12:06 PM	92%	-86	
🟢	Emma's Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	14.25	61.12	-	-	78d75d3c-d7cd-48b0-9176-ca2b6857ed59	647FDA000000F125	CHICKADEE	03-18-2025 12:06 PM	92%	-77	
🟢	Alfredo's Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	14.79	8.68	-	-	f971a62a-3a28-4943-b830-8959a6a3265a	647FDA000000F137	CHICKADEE	03-18-2025 12:05 PM	91%	-78	
🟢	Isaiah's Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	30.57	51.14	-	-	0048be2f-4f56-4a76-8c56-0db46af79f93	647FDA000000F12C	CHICKADEE	03-18-2025 12:04 PM	92%	-66	
🟢	Dhan's Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	31.9	62.35	-	-	c6d8143c-0f6f-4605-8595-018e40a11cd	647FDA000000F12A	CHICKADEE	03-18-2025 12:04 PM	98%	-49	
🟢	Abigail's Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	23.36	31.48	-	-	14d8f998-aaa0-42a5-8d6f-1a32c3bb5239	647FDA000000F12S	CHICKADEE	03-18-2025 12:03 PM	91%	-72	
🟢	Shamir's Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	-	15.07	-	-	2247b0f-0443-40be-af69-3f5eacdf9b8f	647FDA000000F12D	CHICKADEE	03-18-2025 12:02 PM	91%	-72	
🟢	Andrew's Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	36.28	62.11	-	-	777d4eb-d2ac-4345-856e-d2a8a810414f	647FDA000000F13F	CHICKADEE	03-18-2025 12:02 PM	92%	-61	
🟢	David's Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	30.83	62.57	51119963	-114.042072	83a00a2c-035d-4d3a-b097-78a6d47a6bcf	647FDA000000F12I	CHICKADEE	03-18-2025 12:01 PM	95%	-49	
🟢	Tom's Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	34.18	45.1	51119783	-114.041695	0a5c612e-0a33-42f0-bcc8-206032ba5373	647FDA000000F131	CHICKADEE	03-18-2025 11:57 AM	98%	-85	
🟢	CS2 Demo StorX	CS DEMO	-	-	-	-	-	-	1d1815f8-b845-4f5c-b82b-fbb22a6c77b	647FDA000000I98Z	STORX	03-18-2025 12:21 AM	89%	-75	
🔴	Margo's Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	30.48	60.61	51.030841	-114.068521	cb25c0f0-22a1-4650-a26b-445c8b67caae	647FDA000000F128	CHICKADEE	03-18-2025 02:48 AM	94%	-107	

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Assets

prod admin

Q Search

CSV ADD ASSET

ing	Floor Plan	X (m)	Y (m)	Latitude	Longitude	ID	Device EUI	Device Type	Last Activity	Battery	RSSI (dBm)	SNR (dB)	PSR (L)	Home Site	Altitude	Tags	Create Date
Building	TEXTELIC Calgary Office	27.49	59.74	-	-	3a025034-a62c-485a-bf63-22a6d11de924	647FDA00000C929	PELICAN	03-18-2025 12:18 PM	87%	-54	11.5	-	Calgary	-	🔴	03-04-2025 05:30 AM
Building	TEXTELIC Calgary Office	34.1	62.73	-	-	59664c7f-9b86-4268-b85a-5c7420411384	647FDA000000FFC7	PELICAN	03-18-2025 12:15 PM	94%	-47	11.2	-	Calgary	-	🔴	02-19-2025 06:48 PM
Building	TEXTELIC Calgary Office	28.1	55.83	-	-	f518f53a-3665-446a-9e03-630638f8e1ce	647FDA000000D940	PELICAN	03-18-2025 12:15 PM	94%	-51	11.5	-	Calgary	-	🔴	03-04-2025 05:30 AM
ing 1	Private, Full Map (all floors)	18.75	9.03	-	-	e24dc2c-6f22-4a70-ba30-2b18f5ca9b1	647FDA00000F13C	CHICKADEE	03-18-2025 12:15 PM	75%	-73	11.5	-	Private Residence 1	-	🔴	12-23-2024 11:55 PM
Building	TEXTELIC Calgary Office	30.57	51.14	-	-	0048be2f-4f56-4a76-8c56-0db46af79f93	647FDA000000F12C	CHICKADEE	03-18-2025 12:15 PM	92%	-67	9.5	-	Calgary	-	🔴	02-07-2025 12:58 AM
Building	TEXTELIC Calgary Office	21.13	54.72	-	-	9b5f7930-08af-4ba0-943c-85f4aa101cd	647FDA00000106DC	PELICAN	03-18-2025 12:14 PM	96%	-73	11.8	-	Calgary	-	🔴	02-15-2025 12:31 PM
Building	TEXTELIC Calgary Office	31.9	62.35	-	-	c6d8143c-0f6f-4605-8595-018e40a11cd	647FDA000000F12A	CHICKADEE	03-18-2025 12:14 PM	88%	-53	10.8	-	Calgary	-	🔴	02-07-2025 01:00 AM
Building	TEXTELIC Calgary Office	23.36	31.48	-	-	14d8f998-aaa0-42a5-8d6f-1a32c3bb5239	647FDA000000F12S	CHICKADEE	03-18-2025 12:14 PM	91%	-72	10.5	-	Calgary	-	🔴	02-03-2025 07:39 PM
Building	TEXTELIC Calgary Office	-	15.07	-	-	2247b0f-0443-40be-af69-3f5eacdf9b8f	647FDA000000F12D	CHICKADEE	03-18-2025 12:14 PM	91%	-71	10	-	Calgary	-	🔴	02-05-2025 01:27 AM
Building	TEXTELIC Calgary Office	23	33.05	-	-	0c93a66b-523a-46cc-99a0-6b7ba9f96444	647FDA00000F11E	CHICKADEE	03-18-2025 12:14 PM	90%	-78	10.8	-	Calgary	-	🔴	02-03-2025 08:10 PM
Building	TEXTELIC Calgary Office	38.67	21.53	-	-	cf62a8e8-df84-4053-9187-79367646413f	647FDA000000F13A	CHICKADEE	03-18-2025 12:14 PM	91%	-47	9.5	-	Calgary	-	🔴	02-03-2025 05:42 PM
Building	TEXTELIC Calgary Office	30.88	8.65	-	-	4e7be1f3-a844-4f2c-8103-3a0393196a74	647FDA000000F138	CHICKADEE	03-18-2025 12:14 PM	92%	-69	10.2	-	TEXTELIC North Office - IM DEMO	107715	🔴	01-09-2025 07:21 PM
Building	TEXTELIC Calgary Office	3.77	47.62	5112006	-114.04214	c0f95e11-a9d9-4b70-810c-f865c8a18fcf	647FDA000000F136	CHICKADEE	03-18-2025 12:14 PM	92%	-86	9	-	Calgary	-	🔴	02-03-2025 07:35 PM
Building	TEXTELIC Calgary Office	14.25	61.12	-	-	78d75d3c-d7cd-48b0-9176-ca2b6857ed59	647FDA000000F125	CHICKADEE	03-18-2025 12:14 PM	92%	-81	11.2	-	TEXTELIC North Office - IM DEMO	-	🔴	01-09-2025 07:22 PM
Building	TEXTELIC Calgary Office	14.79	8.68	-	-	f971a62a-3a28-4943-b830-8959a6a3265a	647FDA000000F137	CHICKADEE	03-18-2025 12:14 PM	91%	-78	10	-	Calgary	-	🔴	02-03-2025 08:10 PM
Building	TEXTELIC Calgary Office	32.36	62.71	-	-	777d4eb-d2ac-4345-856e-d2a8a810414f	647FDA000000F13F	CHICKADEE	03-18-2025 12:14 PM	92%	-65	7.5	-	Calgary	-	🔴	02-03-2025 08:09 PM
Building	TEXTELIC Calgary Office	30.83	62.57	51119963	-114.042072	83a00a2c-035d-4d3a-b097-78a6d47a6bcf	647FDA000000F12I	CHICKADEE	03-18-2025 12:14 PM	95%	-47	8	-	TEXTELIC North Office - IM DEMO	-	🔴	01-09-2025 07:19 PM
Building	TEXTELIC Calgary Office	34.18	45.1	51119783	-114.041695	0a5c612e-0a33-42f0-bcc8-206032ba5373	647FDA000000F131	CHICKADEE	03-18-2025 11:21 AM	98%	-80	7.8	-	Calgary	-	🔴	03-04-2025 10:55 PM
-	-	-	-	1.30862	103.88466	1d1815f8-b845-4f5c-b82b-fbb22a6c77b	647FDA000000I98Z	STORX	03-18-2025 12:21 AM	89%	-75	12.2	-	CS-Demo	68.47	🔴	02-13-2025 10:29 AM
Building	TEXTELIC Calgary Office	30.48	60.61	51.030841	-114.068521	cb25c0f0-22a1-4650-a26b-445c8b67caae	647FDA000000F128	CHICKADEE	03-18-2025 02:48 AM	94%	-107	-7.5	-	Calgary	-	🔴	02-14-2025 10:59 PM

Table preferences

- Status
- Name
- Asset Type
- Site
- Building
- Floor Plan
- X (m)
- Y (m)

CANCEL SAVE

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Detailed View

- Open the detailed view by clicking an asset in the table (e.g., "Zenon's Chickadee" or "Tom's Pelican 3").
- The detailed view provides tabs for **Details**, **History**, and **Events**, with modal windows for additional actions.

6.2.1 Add New Asset

Conditions: You need admin permissions or explicit rights to add assets.

Modes:

- **Manual:**
 - **Steps:**
 1. Click the **Add Asset** button and select **Manual**.
 2. Enter the following fields in the modal:
 - **Asset Name** (Required): Unique name (e.g., "New Asset").
 - **Home Site** (Required): Select from dropdown (e.g., Calgary).
 - **Asset Type** (Required): Select from dropdown (e.g., Chickadee, Pelican).
 - **Device EUI** (Required): Enter or select a device identifier.
 - **Tags** (Optional): Add tags for organization.
 - **Description** (Optional): Add a note.
 3. Click **Save** to create the asset.
 - **Expectations:** The new asset appears in the list and can be tracked if associated with a device.

The screenshot displays the 'Assets' management interface. At the top, there is a search bar and buttons for 'Download CSV' and 'Add Asset'. Below is a table with columns: Status, Name, Asset Type, Site, Building, Floor Plan, X (m), Y (m), Latitude, Longitude, ID, Device EUI, Device Type, Last Activity, Battery, and RSSI (dBm). A modal window titled 'Add Asset' is open, showing two tabs: 'Manual' (selected) and 'Bulk'. The 'Manual' tab contains input fields for 'Asset Name', a dropdown for 'Home Site', a dropdown for 'Asset Type', a dropdown for 'Device EUI', a dropdown for 'Tags', and a text area for 'Description'. At the bottom of the modal are 'CANCEL' and 'SAVE' buttons. The background table lists various assets like 'Roman's Chickadee', 'Tom's Pelican 3', etc., with their respective details.

- **Bulk:**
 - **Steps:**
 1. Click the **Add Asset** button and select **Bulk**.
 2. Download the CSV template file by clicking **Download the CSV template file**.
 3. Fill in the required fields (Asset Name, Home Site, Asset Type, Device EUI) in the template.

4. Upload the completed CSV file by dragging and dropping or using the **Select File** button.
 5. Click **Next** to process the upload.
 6. Review and confirm the data, then click **Save**.
- **Expectations:** Multiple assets are added based on the uploaded CSV, appearing in the list for tracking.

The screenshot displays the 'Assets' management interface. A table lists various assets with columns for Status, Name, Asset Type, Site, Building, Floor Plan, X (m), Y (m), Latitude, Longitude, ID, Device EUI, Device Type, Last Activity, Battery, and RSSI (dBm). An 'Add Asset' modal dialog is open in the center, providing instructions for adding assets via a CSV file. The dialog includes a 'Manual' button and a 'Bulk' button. It instructs the user to download a CSV template, fill it in, and upload the completed CSV file. A 'SELECT FILE' button is visible within the dialog, along with 'CANCEL' and 'NEXT' buttons at the bottom.

Status	Name	Asset Type	Site	Building	Floor Plan	X (m)	Y (m)	Latitude	Longitude	ID	Device EUI	Device Type	Last Activity	Battery	RSSI (dBm)
<input type="checkbox"/>	Roman's Chickadee (T000834 AO 243T005)	Chickadee	Private Residence 1	Building 1	Private, Full Map (all floors)	18.75	9.03	-	-	e246c1c3-6f12-4a70-ba30-2618f5ca9b61	647FDA000000F13C	CHICKADEE	03-18-2025 12:07 PM	75%	-72
<input type="checkbox"/>	Tom's Pelican 3	BLE	Calgary	Main Building	TEXTELIC Calgary Office	27.49	59.74	-	-	3a025034-e82c-481a-bf13-22e8d116e924	647FDA000000F029	PELICAN	03-18-2025 12:07 PM	87%	-55
<input type="checkbox"/>	Tom's Pelican 2	BLE	Calgary	Main Building	TEXTELIC Calgary Office	34.1	62.73	-	-	59864c7f-9886-4268-b85e-5c742e411384	647FDA000000FFC7	PELICAN	03-18-2025 12:07 PM	94%	-45
<input type="checkbox"/>	Tom's Pelican 1	BLE	Calgary	Main Building	TEXTELIC Calgary Office	28.1	55.83	-	-	6018f33a-3665-446a-9a03-610a086a6e5a	647FDA0000000940	PELICAN	03-18-2025 12:07 PM	94%	-50
<input type="checkbox"/>	Nadia's Chickadee	Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	23	33.08	-	-	0c93a66b-521a-46cc-99a0-6a73a9f94444	647FDA0000000F1E	CHICKADEE	03-18-2025 12:07 PM	90%	-60
<input type="checkbox"/>	Zanon's Nearest Pelican 1	BLE	Calgary	Main Building	TEXTELIC Calgary Office	23	33.08	-	-	9167f930-08af-4b40-943c-816f4aa051d6	647FDA00000006DC	PELICAN	03-18-2025 12:06 PM	96%	-74
<input type="checkbox"/>	Jack's Chickadee	Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	27.49	59.74	-	-	4e7ba1f3-a844-4f2c-8103-1a039319da74	647FDA000000F138	CHICKADEE	03-18-2025 12:06 PM	92%	-69
<input type="checkbox"/>	Eugene's Chickadee	Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	27.49	59.74	-	-	cf402a8e-df84-4053-9187-79367a6413f9	647FDA000000F13A	CHICKADEE	03-18-2025 12:06 PM	91%	-87
<input type="checkbox"/>	Zanon's Chickadee	Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	23	33.08	-	-	cdff5a61-a9d9-4f60-810c-0b5c3a17bf6f	647FDA000000F136	CHICKADEE	03-18-2025 12:06 PM	92%	-68
<input type="checkbox"/>	Emma's Chickadee	Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	27.49	59.74	-	-	78c75a3c-87c0-4840-9176-ca2ba817ed59	647FDA000000F125	CHICKADEE	03-18-2025 12:06 PM	92%	-77
<input type="checkbox"/>	Alfredo's Chickadee	Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	27.49	59.74	-	-	f973482a-1a28-4943-ba30-8959846326e6	647FDA000000F137	CHICKADEE	03-18-2025 12:05 PM	91%	-78
<input type="checkbox"/>	Ioana's Chickadee	Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	27.49	59.74	-	-	0046bc2f-4f56-4a76-8c56-0cb46af759d3	647FDA000000F12C	CHICKADEE	03-18-2025 12:04 PM	92%	-66
<input type="checkbox"/>	Dhan's Chickadee	Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	27.49	59.74	-	-	cd6d43c-0f6f-4605-8995-018e40a11c8d	647FDA000000F12A	CHICKADEE	03-18-2025 12:04 PM	88%	-49
<input type="checkbox"/>	Abigail's Chickadee	Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	27.49	59.74	-	-	14aaf998-eaa0-42a5-8a6f-1a32c18a6239	647FDA000000F12F	CHICKADEE	03-18-2025 12:03 PM	91%	-72
<input type="checkbox"/>	Shania's Chickadee	GPS-BLE	Calgary	Main Building	TEXTELIC Calgary Office	27.49	59.74	-	-	224780f-0443-4a8e-af49-1f6aacc0f9b8f	647FDA000000F12D	CHICKADEE	03-18-2025 12:02 PM	91%	-72
<input type="checkbox"/>	Andrew's Chickadee	Chickadee	Calgary	Main Building	TEXTELIC Calgary Office	27.49	59.74	-	-	7770b4eb-d2ac-4345-856e-d2f6f010444f	647FDA000000F13F	CHICKADEE	03-18-2025 12:02 PM	92%	-61
<input type="checkbox"/>	David's Chickadee	Chickadee IM DEMO	Calgary	Main Building	TEXTELIC Calgary Office	27.49	59.74	-	-	82bf00c2-0350-4c1a-b097-78cdd47adbcf	647FDA000000F121	CHICKADEE	03-18-2025 12:01 PM	95%	-49
<input type="checkbox"/>	Tom's Chickadee	GPS-BLE	Calgary	Main Building	TEXTELIC Calgary Office	27.49	59.74	-	-	0edc112b-0e33-42f0-bcc6-206032bd3373	647FDA000000F131	CHICKADEE	03-18-2025 11:57 AM	98%	-85
<input type="checkbox"/>	CS2 Demo Stark3	CS DEMO	-	-	-	-	-	-	-	1d1813f8-b845-4f5c-b82b-f8b222a0c73b	647FDA000000E382	STORK	03-18-2025 11:21 AM	89%	-75
<input type="checkbox"/>	Margr's Chickadee	GPS-BLE	Calgary	Main Building	TEXTELIC Calgary Office	27.49	59.74	-	-	cb25c0f0-22a1-4650-a26b-445c8647eeae	647FDA000000F128	CHICKADEE	03-18-2025 02:48 AM	94%	-107

6.2.2 Edit Asset

Conditions: You need admin permissions or explicit rights to edit assets. The asset must already exist.

Modes:

- **From Main Table:**
 - **Steps:**
 1. Click the pencil icon next to an asset (e.g., "Tom's Pelican 3") in the table.
 2. In the **Edit Asset** modal, modify the following fields:
 - **Asset Name** (Editable): Update the name.
 - **Home Site** (Editable): Change the site.
 - **Asset Type** (Editable): Update the type.
 - **Device EUI** (Editable): Reassign a device.
 - **Tags** (Editable): Add or remove tags.
 - **Description** (Editable): Update the note.
 3. Click **Save** to confirm changes; **Cancel** to discard.
 - **Expectations:** The updated asset reflects changes in the list and continues to be monitored.

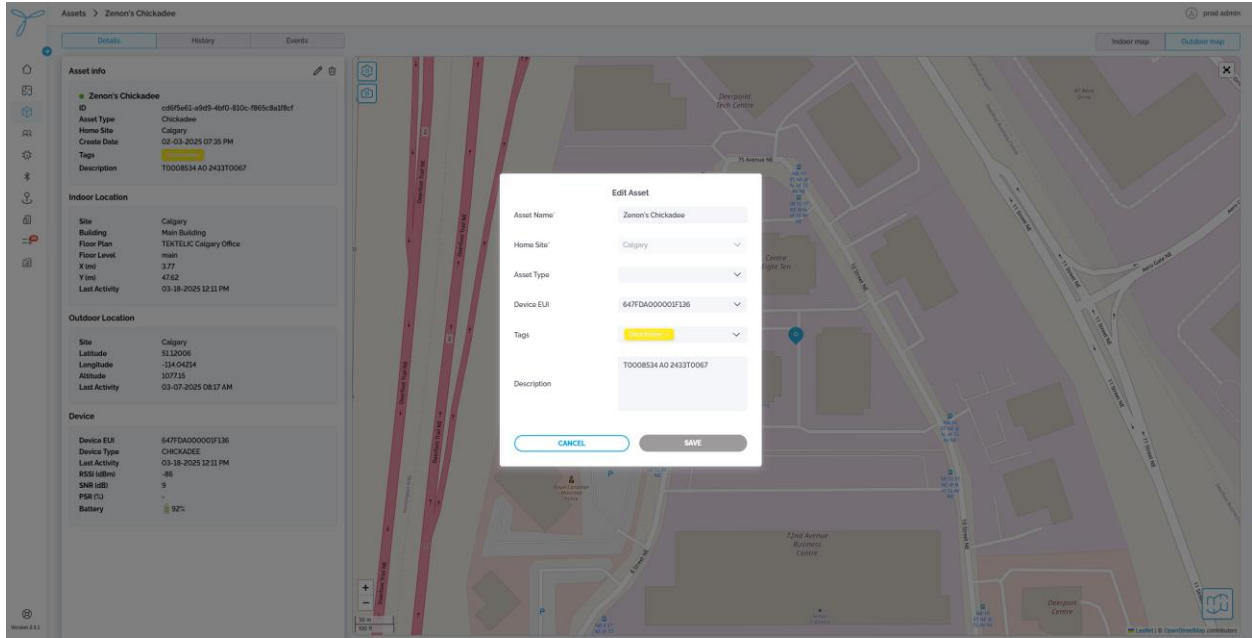
The screenshot displays the 'Assets' management interface. At the top, there is a search bar and a user profile 'prod admin'. Below the search bar is a table of assets with columns: 'ing', 'Floor Plan', 'X (m)', 'Y (m)', 'Latitude', 'Longitude', 'ID', 'Device EUI', 'Device Type', 'Last Activity', 'Battery', 'RSSI (dBm)', 'SNR (dB)', 'FSR (%)', 'Home Site', 'Altitude', 'Tags', and 'Create Date'. A modal window titled 'Edit Asset' is open over the table, showing the following fields: 'Asset Name' (Tom's Pelican 3), 'Home Site' (Calgary), 'Asset Type' (BLE), 'Device EUI' (647DA000001C929), 'Tags' (Pelican 3), and 'Description'. The modal has 'CANCEL' and 'SAVE' buttons at the bottom. The table below the modal shows various assets, including 'Building' and 'ing 1', with their respective coordinates and device information.

- **From Detailed View:**

- **Steps:**

1. Open the detailed view of an asset (e.g., "Zenon's Chickadee").
2. Click the pencil icon (if available) or edit fields directly in the **Details** tab.
3. Update the same fields as above and save via the respective section.

- **Expectations:** Same as above.



6.2.3 Delete Asset

Conditions: You need admin permissions or explicit rights to delete assets. The asset must not be linked to active event rules.

Consequences: Deleting an asset removes it from the system and stops its tracking. This affects associated data, including historical records, location logs, paired devices, event logs, geofence notifications, and map visibility.

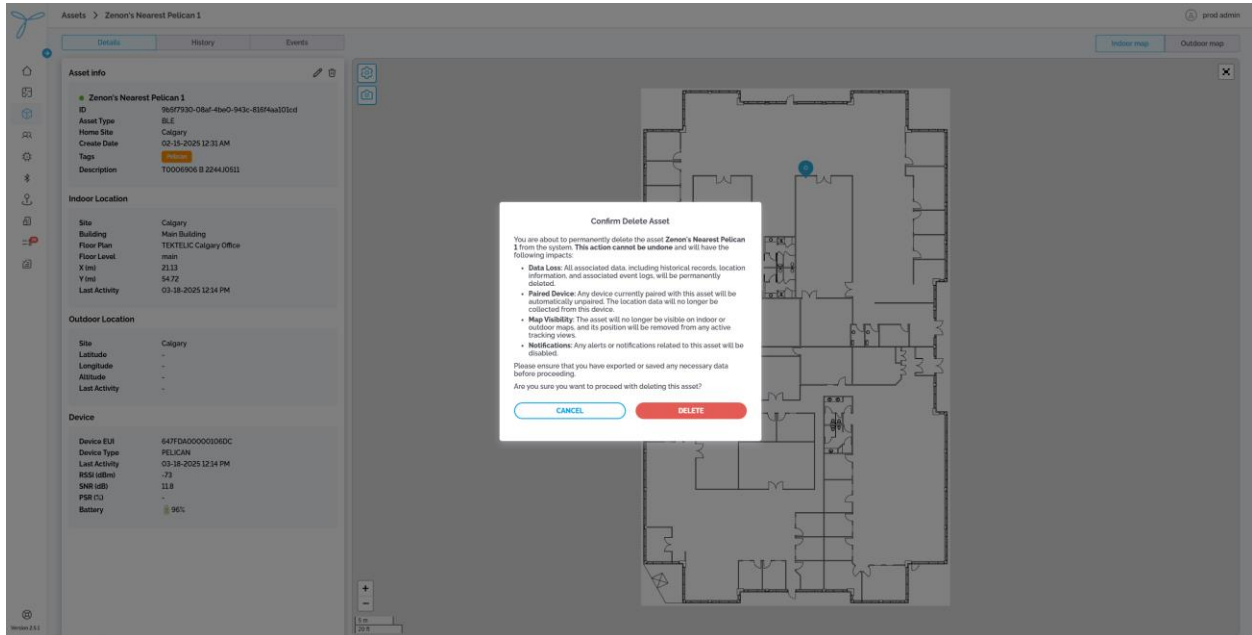
Modes:

- **From Main Table:**
 - **Steps:**
 1. Click the trash icon next to an asset (e.g., "Zenon's Nearest Pelican 1") in the table.
 2. In the **Confirm Delete Asset** modal, review the warning about permanent deletion and its impacts.
 3. Click **Delete** to confirm; **Cancel** to abort.
 - **Expectations:** The asset is permanently removed from the list and cannot be restored.

The screenshot displays the 'Assets' management interface. A table lists various assets with columns for ID, Device EUI, Device Type, Last Activity, Battery, RSSI (dBm), SNR (dB), PSR (C), Home Site, Altitude, Tags, and Create Date. A modal dialog titled 'Confirm Delete Asset' is overlaid on the table, providing a warning about the permanent deletion of the asset 'Chickadee GMS5' and listing the impacts: Data Loss, Paired Device, and Map Visibility. The modal includes 'CANCEL' and 'DELETE' buttons.

#	X (m)	Y (m)	Latitude	Longitude	ID	Device EUI	Device Type	Last Activity	Battery	RSSI (dBm)	SNR (dB)	PSR (C)	Home Site	Altitude	Tags	Create Date	
1	Calgary Office	23	33.05	-	-	0c93b66b-521a-46cc-9b60-b973b96444	647FDA000003F1E1	CHICKADEE	03-18-2025 12:32 PM	91%	-71	20	-	Calgary	-	02-03-2025 08:30 PM	
2	Calgary Office	38.67	25.53	-	-	cfa02b8e-df84-4053-9187-f036764419f	647FDA000003F1E1	CHICKADEE	03-18-2025 12:31 PM	91%	-87	55	-	Calgary	-	02-03-2025 05:42 PM	
3	Calgary Office	30.88	6.65	-	-	467be1f3-4844-4f2c-6103-1a0393196a74	647FDA000003F1E1	CHICKADEE	03-18-2025 12:31 PM	92%	-69	10.2	-	TEKTELIC North Office - IM DEMO	-	01-09-2025 07:21 PM	
4	Calgary Office	32.35	62.71	-	-	777b4eb-d2ac-4345-896a-d2e8810414f	647FDA000003F1E1	CHICKADEE	03-18-2025 12:30 PM	92%	-65	75	-	Calgary	-	02-03-2025 08:09 PM	
5	Calgary Office	30.83	62.57	51.119963	-114.042072	83b700c2-0356-46da-b097-78a647a6bcf	647FDA000003F1E1	CHICKADEE	03-18-2025 12:09 PM	95%	-47	8	-	TEKTELIC North Office - IM DEMO	-	01-09-2025 07:58 PM	
6	Calgary Office	34.18	45.1	51.119783	-114.041695	04c6112e-0a33-42f0-bcc8-20a032b65373	647FDA000003F1E1	CHICKADEE	03-18-2025 12:07 PM	98%	-80	78	-	Calgary	-	03-04-2025 10:58 PM	
7	Calgary Office	-	-	13.0862	303.88466	1d51519-b845-4f5c-b22b-f4b22b2b47b	-	-	-	-	-	-	CS-Demo	68.47	BLE	02-13-2025 10:29 AM	
8	Calgary Office	30.48	60.61	51.030841	-114.068821	c825c0f0-2261-4830-a265-445c8b67ecae	-	-	-	-	-	-	Calgary	-	BLE	02-14-2025 10:59 PM	
9	Calgary Office	25.52	-	-	-	17a1e823-7c4e-402f-8a8b-83ab07a4d777	-	-	-	-	-	-	Calgary	-	BLE	02-03-2025 07:33 PM	
10	Calgary Office	3.01	7.34	-	-	63f0ba84-a673-4287-a614-4a08254c091	-	-	-	-	-	-	Madrid (test)	-	BLE	03-12-2025 02:09 PM	
11	Calgary Office	-	-	51.1654651	-114.0907216	183751a-f468-4bea-ecf7-5ba01282cc82	-	-	-	-	-	-	Kyiv	1128.9	BLE	02-25-2025 01:51 PM	
12	Calgary Office	31.09	83.17	-	-	713b0acb-0eaf-42af-8a68-976a09c7e45	-	-	-	-	-	-	Calgary	-	BLE	12-09-2024 10:13 PM	
13	Calgary Office	-	-	50.31196	34.93862	19c4a890-076e-404b-ae7b-83a057c2865a	-	-	-	-	-	-	Kyiv	131	BLE	03-12-2025 12:57 PM	
14	floor	14.48	7.59	13.909332	200.678024	10a6f455-a28a-4355-b492-8f34d0764117	-	-	-	-	-	-	CS-Demo	-	BLE	01-30-2025 01:55 PM	
15	Calgary Office	39.64	52.63	-	-	4ee5fcb7-2261-4354-8167-5a152ab2e043	-	-	-	-	-	-	TEKTELIC North Office - IM DEMO	-	BLE	01-09-2025 07:58 PM	
16	floor	7.45	4.39	-	-	0f9590cb-7091-418e-b6e5-6976b63e8b69	-	-	-	-	-	-	Madrid (test)	-	BLE	02-26-2025 01:50 PM	
17	floor	14.48	7.59	-	-	dc6f6234-1ad1-42a2-4393-6d7a61f19914	-	-	-	-	-	-	CS-Demo	-	BLE	01-30-2025 01:58 PM	
18	TEKTELIC Calgary Office - IM DEMO	27.52	38.87	-	-	ec5531a-e46e-4ca0-94bc-97b35454b995	647FDA000003C205	PELICAN	02-15-2025 01:41 AM	95%	-56	10.2	-	TEKTELIC North Office - IM DEMO	-	BLE	01-13-2025 07:12 PM
19	Calgary Office	23.51	5.66	-	-	2ae211da-5782-4088-a723-0f61d6bc3357	647FDA0000034965	PELICAN EX	02-14-2025 07:33 PM	100%	-42	10.2	-	Kyiv	-	BLE	02-14-2025 12:06 PM
20	Calgary Office	31.56	6.97	50.467608	30.5064581	c04rc07b-07a2-483a-8ab6-e6979a0b398	647FDA000003D829	SEAL	02-14-2025 07:29 PM	100%	-68	8.5	-	Calgary	127.38	BLE	12-18-2024 04:48 PM
21	Calgary Office	1.27	1.44	50.4374921	30.4652381	2c567ba6-a14f-4192-bec3-83aa3a77f44a	647FDA0000033354	SEAL	02-07-2025 05:59 PM	100%	-	-	-	Calgary	205.22	BLE	12-03-2024 05:57 PM
22	Calgary Office	31.56	6.97	-	-	e58f954-87a7-4c19-b527-f25741e4703	647FDA000003D864	PELICAN	01-30-2025 06:07 PM	100%	-36	9	-	Kyiv	-	BLE	01-08-2025 12:46 PM
23	Calgary Office	1.43	8.69	-	-	584c559c-43af-419a-8104-33207b2d62bb	647FDA000003D950	PELICAN	01-28-2025 01:55 PM	100%	-57	9	-	Kyiv	-	BLE	01-22-2025 07:52 AM
24	Calgary Office	-	-	-	-	b9b15a98-345a-4309-9c19-0a5e895634c	647FDA000003D823	STORK	01-22-2025 10:39 AM	100%	-99	12.2	-	Kyiv	-	BLE	01-23-2025 07:37 AM
25	Calgary Office	-	-	49.59226	34.54757	70b135f1-c54e-4ac8-9a82-8d47a8688a82	647FDA000003D82C	CHICKADEE	01-21-2025 05:50 PM	100%	-42	10.2	-	Kyiv	201.51	BLE	01-21-2025 03:18 PM

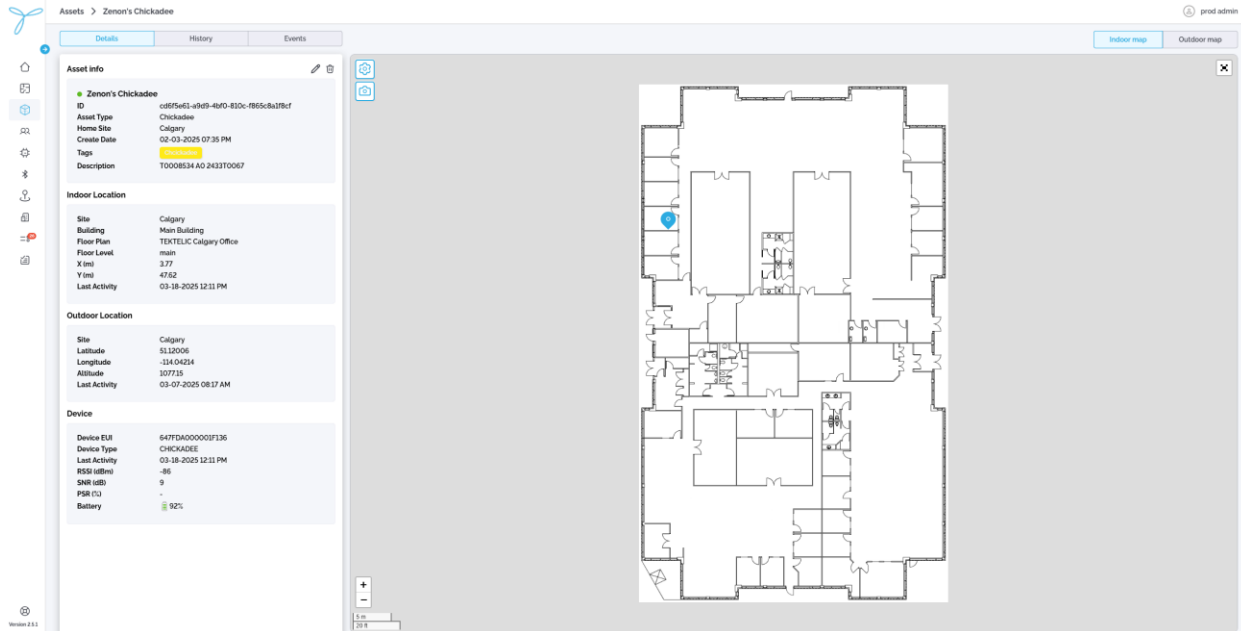
- **From Detailed View:**
 - **Steps:**
 1. Open the detailed view of an asset (e.g., "Zenon's Nearest Pelican 1").
 2. Click the trash icon (if available) to open the **Confirm Delete Asset** modal.
 3. Review the warning and click **Delete** to confirm; **Cancel** to abort.
 - **Expectations:** Same as above.



Detailed View Modals

- **Details Tab:**
 - **Fields:**
 - **Asset Info:** Name, Home Site, Create Date, Tags, Description.
 - **Indoor Location:** Site, Building, Floor Plan, X(m), Y(m), Last Activity.
 - **Outdoor Location:** Site, Latitude, Longitude, Altitude, Last Activity.
 - **Device:** Device EUI, Device Type, Last Activity, RSSI (dBm), SNR (dB), Battery.
 - **Actions:** Edit asset details (pencil icon), delete asset (trash icon), view indoor/outdoor map by switching between **Indoor Map** and **Outdoor Map** tabs, toggle asset visibility with **Visibility Preferences**.
 - **Expectations:** Displays real-time or last-known location data on the selected map.
- **History Tab:**
 - **Fields:** Table with columns for Timestamp, X(m), Y(m), Latitude, Longitude, Altitude, Site, Building, Floor Plan.
 - **Actions:** Filter by date range (e.g., 03/17/2025 12:13 PM - 03/18/2025 12:13 PM) and export to .csv.
 - **Expectations:** Shows a historical log of the asset's positions over time.
- **Events Tab:**

- **Fields:** Table with columns for Timestamp, Event Status, Event Type, Asset Name, Asset ID.
- **Actions:** Filter by date range and export to .csv.
- **Expectations:** Displays event logs (e.g., entry/exit from geofences) associated with the asset.
- **Visibility Preferences:**
 - **Options:** Toggle **Assets** and **Geofences** on/off.
 - **Actions:** Click **Apply** to update the map view; **Cancel** to discard changes.
 - **Expectations:** Controls which elements are visible on the indoor/outdoor map.



6.2.4 Asset types

Overview

Purpose: The Asset Types page allows users to create and manage types for assets, which can then be assigned to assets during their creation or editing. An asset type defines a category for assets, such as "Chickadee" or "Pelican," and is tied to a specific site.

Access: This functionality is currently available only through the backend API. In the future, it will be accessible via the main navigation menu under the Assets section, in a subsection called "Asset Types."

Intended Users: Admins and users with permissions to manage assets can create and manage asset types.

Key Features and Functions

List View

The table will display all asset types with the following default columns: Name, Site ID, Create Date.

- **Name:** The name of the asset type (e.g., "Chickadee beacon_model").
- **Site ID:** The unique identifier of the site to which the asset type is tied (e.g., "ddf86946-f157-47bb-a942-ed9f358d9850").
- **Create Date:** The date when the asset type was created (e.g., "03-21-2025 10:00 AM").

Column Configuration (Table Preferences):

- Click the gear icon to open the Table Preferences modal.
- Select which columns to show or hide (e.g., Name, Site ID, Create Date).
- Columns can be rearranged by dragging, hidden by deselecting, but resizing is not supported.
- Click **Save** to apply changes; **Cancel** to discard.

Search and Sort: Use the search bar to find asset types by name. Sort columns like Create Date in ascending or descending order.

Export Data: Export the table to a .csv file by clicking the CSV button, including all visible columns.

Actions (Based on Permissions):

- **Admins:** Add, edit, or delete asset types.
- **Standard Users:** View asset types; edit or delete if granted explicit permissions.

Detailed View

Open the detailed view by clicking an asset type in the table (e.g., "Chickadee beacon_model").

The detailed view provides the following fields:

- **ID:** A unique identifier for the asset type (e.g., "at123").
- **Name:** The name of the asset type (e.g., "Chickadee beacon_model").
- **Site ID:** The site identifier (e.g., "ddf86946-f157-47bb-a942-ed9f358d9850").
- **Create Date:** When the asset type was created (e.g., "03-21-2025 10:00 AM").
- **Last Modified:** The last update timestamp (e.g., "03-21-2025 10:00 AM").
- **Last Modified By:** The user who last edited the asset type (e.g., "admin@tektelic.com").

Actions (Based on Permissions):

- **Admins:** Edit or delete the asset type.
- **Standard Users:** View details; edit or delete if permitted.

6.2.4.1 Add asset type

Conditions: You need admin permissions or explicit rights to add beacon models. This functionality is currently available only through the backend API.

Steps (via API):

6. Use an API client (e.g., Postman) to send a POST request to the endpoint for creating asset types (e.g., <https://api.locus.tektelic.com/asset-types>).
7. In the request body, provide the following JSON payload:

```
{
  "name": "Chickadee beacon_model",
  "siteId": "ddf86946-f157-47bb-a942-ed9f358d9850"
}
```
8. Set the appropriate headers (e.g., Content-Type: application/json, and include an authorization token).
9. Send the request and verify the response (e.g., a 201 Created status with the created asset type's details, including a generated id).

6.3 Devices

Overview

Purpose: The Devices page allows you to manage and monitor all devices within the system, including their status, models, location associations, and activity metrics. Devices are typically paired with assets for tracking purposes.

Access: Access this page via the main navigation menu under the **Devices** section.

Intended Users: Admins and users with permissions to view or manage devices can access and use this page.

Key Features and Functions

List View (Main Table)

- The table displays all devices with the following default columns: Status, Device Name, Device EUI, Device Model, Home Site, Tags, Inactivity Timeout (min), Last Activity, Battery, Create Date, Asset Name, RSSI (dBm), SNR (dB), PSR (%).
- **Column Configuration (Table Preferences):**
 - Click the gear icon to open the **Table Preferences** modal.
 - Select which columns to show or hide (e.g., Status, Device Name, Device EUI, Device Model, Home Site, Tags, Inactivity Timeout (min), Last Activity, Battery, Create Date, Asset Name, RSSI (dBm), SNR (dB), PSR (%)).
 - Columns can be rearranged by dragging, hidden by deselecting, but resizing is not supported.
 - Click **Save** to apply changes; **Cancel** to discard.

- **Search and Sort:** Use the search bar to find devices by name, Device EUI, or other criteria, and sort columns like Last Activity or Battery in ascending or descending order. Filtering by Home Site is available via the filter dropdown (e.g., Calgary, Kyiv, Madrid (test)).
- **Export Data:** Export the table to a .csv file by clicking the **CSV** button, including data matching current search and filter criteria.
- **Actions (Based on Permissions):**
 - Click the **More Actions (...)** button next to a device in the table to open a context menu with **Edit** and **Delete** options.
 - Admins: Add, edit, or delete devices; pair devices with assets.
 - Standard Users: View devices; edit or delete if granted explicit permissions.

Status	Device Name	Device EUI	Device Model	Home Site	Tags	Last Activity	Battery
●	Andrii Pelican	647FDA00000107E8	PELICAN	Madrid (test)	-	03-13-2025 01:05 PM	100%
●	TO008534 AD 2433T0044	647FDA000001F131	CHOKADEE	Calgary	Checkmate	03-18-2025 01:17 PM	98%
●	TO006906 BI 2346J0469	647FDA000001C329	PELICAN	Calgary	Pelican	03-18-2025 01:23 PM	87%
●	TO006906 BI 2244J0543	647FDA0000010940	PELICAN	Calgary	Pelican	03-18-2025 01:23 PM	94%
●	Seal API Kyiv	647FDA0000015354	SEAL	Kyiv	API	03-13-2025 12:35 PM	-
●	TO006906 B 2242J0257	647FDA000000FFC7	PELICAN	Calgary	API	03-18-2025 01:23 PM	94%
●	TO006906 B 2244J0511	647FDA00000106DC	PELICAN	Calgary	Pelican	03-18-2025 01:23 PM	96%
●	TO008534 AD 2433T0043	647FDA000001F128	CHOKADEE	Calgary	Checkmate	03-18-2025 12:51 PM	94%
●	Pelican Roman O	647FDA0000014965	PELICAN EX	Kyiv	-	02-14-2025 07:33 PM	100%
●	CS Demo Stork3	647FDA000001E9B2	STORK	CS-Demo	API	03-18-2025 01:22 PM	89%
●	Pelican Kyiv	647FDA00000106D0	PELICAN	Madrid (test)	API, Checkmate	02-28-2025 04:31 PM	100%
●	TO008534 AD 2433T0038	647FDA000001F12C	CHOKADEE	Calgary	Checkmate	03-18-2025 01:21 PM	92%
●	TO008534 AD 2433T0039	647FDA000001F12D	CHOKADEE	Calgary	Checkmate	03-18-2025 01:18 PM	91%
●	TO008534 AD 2433T0036	647FDA000001F12A	CHOKADEE	Calgary	Checkmate	03-18-2025 01:20 PM	88%
●	TO008534 AD 2433T0053	647FDA000001F13F	CHOKADEE	Calgary	Checkmate	03-18-2025 01:22 PM	92%
●	TO008534 AD 2433T0027	647FDA000001F11E	CHOKADEE	Calgary	Checkmate	03-18-2025 01:23 PM	90%
●	TO008534 AD 2433T0047	647FDA000001F137	CHOKADEE	Calgary	Checkmate	03-18-2025 01:21 PM	91%
●	TO008534 AD 2433T0067	647FDA000001F136	CHOKADEE	Calgary	Checkmate	03-18-2025 01:22 PM	91%
●	TO008534 AD 2433T0042	647FDA000001F130	CHOKADEE	Calgary	Checkmate	03-18-2025 01:52 AM	90%
●	Chickadee LPGNS5	647FDA0000010FC	CHOKADEE	Kyiv	-	01-21-2025 05:53 PM	100%
●	STORK LPGNS5	647FDA0000010923	STORK	Kyiv	-	01-22-2025 10:39 AM	100%
●	CS DEMO Pelican	647FDA000001C3B8	PELICAN	CS-Demo	-	02-20-2025 08:34 AM	99%
●	CS DEMO Stork	647FDA000001E9B1	STORK	CS-Demo	-	03-12-2025 01:11 PM	100%
●	Chickadee Iana 4 IM DEMO	647FDA000001F125	CHOKADEE	TEKTELIC North Office - IM DEMO	-	03-18-2025 01:22 PM	92%
●	Chickadee Iana 3 IM DEMO	647FDA000001F138	CHOKADEE	TEKTELIC North Office - IM DEMO	-	03-18-2025 01:22 PM	92%
●	Chickadee Iana 2 IM DEMO	647FDA000001F121	CHOKADEE	TEKTELIC North Office - IM DEMO	Checkmate	03-18-2025 01:22 PM	95%

Status	Device Name	Device EUI	Device Model	Home Site	Tags	Last Activity	Battery
●	Andrii Pelican	647FDA00000107E8	PELICAN	Madrid (test)	-	03-13-2025 01:05 PM	100%
●	TO008534 AD 2433T0044	647FDA000001F131	CHOKADEE	Calgary	Checkmate	03-18-2025 01:17 PM	98%
●	TO006906 BI 2346J0469	647FDA000001C329	PELICAN	Calgary	Pelican	03-18-2025 01:24 PM	87%
●	TO006906 BI 2244J0543	647FDA0000010940	PELICAN	Calgary	Pelican	03-18-2025 01:23 PM	94%
●	Seal API Kyiv	647FDA0000015354	SEAL	Kyiv	API	03-13-2025 12:35 PM	-
●	TO006906 B 2242J0257	647FDA000000FFC7	PELICAN	Calgary	API	03-18-2025 01:24 PM	94%
●	TO006906 B 2244J0511	647FDA00000106DC	PELICAN	Calgary	Pelican	03-18-2025 01:23 PM	96%
●	TO008534 AD 2433T0043	647FDA000001F128	CHOKADEE	Calgary	Checkmate	03-18-2025 12:51 PM	94%
●	Pelican Roman O	647FDA0000014965	PELICAN EX	Kyiv	-	02-14-2025 07:33 PM	100%
●	CS Demo Stork3	647FDA000001E9B2	STORK	CS-Demo	API	03-18-2025 01:22 PM	89%
●	Pelican Kyiv	647FDA00000106D0	PELICAN	Madrid (test)	API, Checkmate	02-28-2025 04:31 PM	100%
●	TO008534 AD 2433T0038	647FDA000001F12C	CHOKADEE	Calgary	Checkmate	03-18-2025 01:21 PM	92%
●	TO008534 AD 2433T0036	647FDA000001F12A	CHOKADEE	Calgary	Checkmate	03-18-2025 01:20 PM	88%
●	TO008534 AD 2433T0053	647FDA000001F13F	CHOKADEE	Calgary	Checkmate	03-18-2025 01:22 PM	92%
●	TO008534 AD 2433T0027	647FDA000001F11E	CHOKADEE	Calgary	Checkmate	03-18-2025 01:23 PM	90%
●	TO008534 AD 2433T0047	647FDA000001F137	CHOKADEE	Calgary	Checkmate	03-18-2025 01:21 PM	91%
●	TO008534 AD 2433T0067	647FDA000001F136	CHOKADEE	Calgary	Checkmate	03-18-2025 01:22 PM	91%
●	TO008534 AD 2433T0042	647FDA000001F130	CHOKADEE	Calgary	Checkmate	03-18-2025 01:52 AM	90%
●	Chickadee LPGNS5	647FDA0000010FC	CHOKADEE	Kyiv	-	01-21-2025 05:53 PM	100%
●	STORK LPGNS5	647FDA0000010923	STORK	Kyiv	-	01-22-2025 10:39 AM	100%
●	CS DEMO Pelican	647FDA000001C3B8	PELICAN	CS-Demo	-	02-20-2025 08:34 AM	99%
●	CS DEMO Stork	647FDA000001E9B1	STORK	CS-Demo	-	03-12-2025 01:11 PM	100%
●	Chickadee Iana 4 IM DEMO	647FDA000001F125	CHOKADEE	TEKTELIC North Office - IM DEMO	-	03-18-2025 01:22 PM	92%
●	Chickadee Iana 3 IM DEMO	647FDA000001F138	CHOKADEE	TEKTELIC North Office - IM DEMO	-	03-18-2025 01:22 PM	92%
●	Chickadee Iana 2 IM DEMO	647FDA000001F121	CHOKADEE	TEKTELIC North Office - IM DEMO	Checkmate	03-18-2025 01:22 PM	95%

Status	Device Name	Device EUI	Device Model	Home Site	Tags	Last Activity	Battery
●	Andrii Pelican	647FDA00000107E6	PELICAN	Madrid (test)	-	03-13-2025 03:05 PM	100%
●	TOO08534 AO 2433T0044	647FDA000001F131	CHEKKADEE	Calgary	Checkmate	03-18-2025 01:17 PM	98%
●	TOO06906 BI 2346J0469	647FDA000001C929	PELICAN	Calgary	Preheat	03-18-2025 01:24 PM	87%
●	TOO06906 BI 2244J0543	647FDA0000010940	PELICAN	Calgary	Preheat	03-18-2025 01:24 PM	94%
●	Seal API Kyiv	647FDA0000015354	SEAL	Kyiv	IM-B	03-13-2025 12:35 PM	-
●	TOO06906 B 2242J0257	647FDA000001FFC7	PELICAN	Calgary	IM-B	03-18-2025 01:24 PM	94%
●	TOO06906 B 2244J0511	647FDA00000106DC	PELICAN	Calgary	Preheat	03-18-2025 01:24 PM	96%
●	TOO08534 AO 2433T0043	647FDA000001F128	CHEKKADEE	Calgary	Checkmate	03-18-2025 12:11 PM	94%
●	Pelican Roman O	647FDA0000014965	PELICAN	-	-	02-14-2025 07:33 PM	100%
●	CS Demo Stork3	647FDA000001E9B2	STORK	-	IM-B	03-18-2025 01:22 PM	89%
●	Pelican Kyiv	647FDA000001005D	PELICAN	-	IM-B, Checkmate	02-28-2025 04:31 PM	100%
●	TOO08534 AO 2433T0038	647FDA000001F12C	CHEKKADEE	Calgary	Checkmate	03-18-2025 01:21 PM	92%
●	TOO08534 AO 2433T0039	647FDA000001F12D	CHEKKADEE	Calgary	Checkmate	03-18-2025 01:23 PM	91%
●	TOO08534 AO 2433T0036	647FDA000001F12A	CHEKKADEE	Calgary	Checkmate	03-18-2025 01:20 PM	88%
●	TOO08534 AO 2433T0053	647FDA000001F13F	CHEKKADEE	Calgary	Checkmate	03-18-2025 01:22 PM	92%
●	TOO08534 AO 2433T0027	647FDA000001F11E	CHEKKADEE	Calgary	Checkmate	03-18-2025 01:23 PM	90%
●	TOO08534 AO 2433T0047	647FDA000001F137	CHEKKADEE	Calgary	Checkmate	03-18-2025 01:21 PM	91%
●	TOO08534 AO 2433T0067	647FDA000001F136	CHEKKADEE	Calgary	Checkmate	03-18-2025 01:22 PM	91%
●	TOO08534 AO 2433T0042	647FDA000001F130	CHEKKADEE	Calgary	Checkmate	03-18-2025 01:52 AM	90%
●	Chickadee LPGNS5	647FDA0000010FC	CHEKKADEE	Kyiv	-	01-21-2025 09:53 PM	100%
●	STORK LPGNS5	647FDA000001D923	STORK	Kyiv	-	01-22-2025 10:39 AM	100%
●	CS DEMO Pelican	647FDA000001C938	PELICAN	CS-Demo	-	02-20-2025 08:34 AM	99%
●	CS DEMO Stork	647FDA000001E9B1	STORK	CS-Demo	-	03-12-2025 01:11 PM	100%
●	Chickadee Iona4 4 IM DEMO	647FDA000001F125	CHEKKADEE	TEKTELIC North Office - IM DEMO	-	03-18-2025 01:22 PM	92%
●	Chickadee Iona4 3 IM DEMO	647FDA000001F138	CHEKKADEE	TEKTELIC North Office - IM DEMO	-	03-18-2025 01:22 PM	92%
●	Chickadee Iona4 2 IM DEMO	647FDA000001F121	CHEKKADEE	TEKTELIC North Office - IM DEMO	Checkmate	03-18-2025 01:22 PM	95%

Detailed View

- Open the detailed view by clicking a device in the table (e.g., "TOO08534 AO 243370044").
- The detailed view provides tabs for **Details**, with information about the device and its associated asset, as well as indoor/outdoor location data.

6.3.1 Add New Device

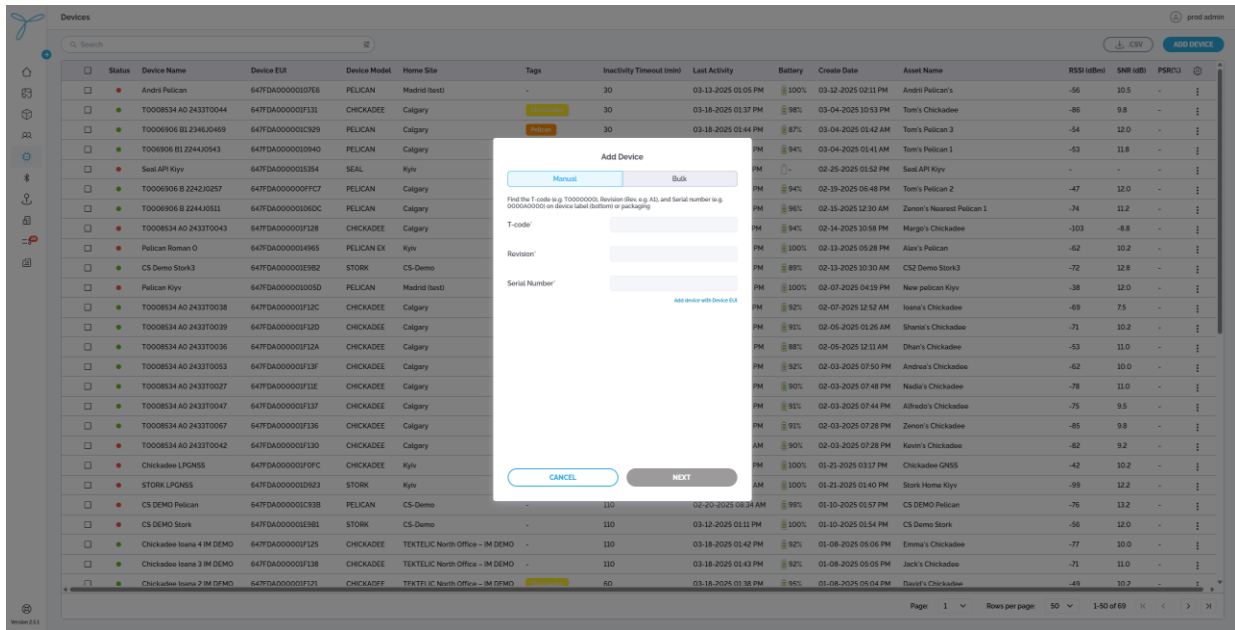
Conditions: You need admin permissions or explicit rights to add devices.

Modes:

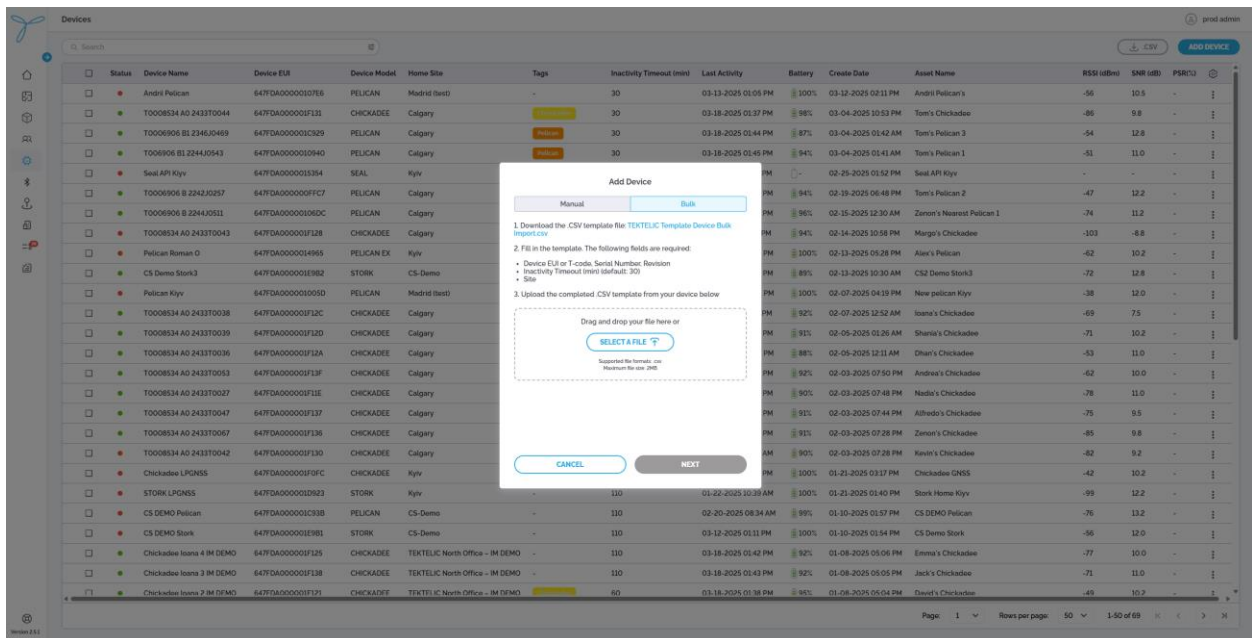
- **With T-code/Revision/Serial Number:**
 - **Steps:**
 1. Click the **Add Device** button and select **Manual**.
 2. In the **Add Device** modal, ensure the **Manual** tab is selected.
 3. Enter the following fields:
 - **T-code/Revision/Serial Number** (Required): Input the device identifier (e.g., "TOO0A0D0 on device label (bottom) packaging").
 - **Inactivity Timeout (min)** (Optional): Set a timeout (default is 30 minutes).
 4. Click **Next** to proceed.
 - **Expectations:** The device is added to the system and can be paired with an asset.

The screenshot displays the 'Devices' management interface. At the top, there is a search bar and an 'ADD DEVICE' button. Below this is a table listing various devices with columns for Status, Device Name, Device EUI, Device Model, Home Site, Tags, Inactivity Timeout (min), Last Activity, Battery, Create Date, Asset Name, RSSI (dBm), SNR (dB), and PSR (C). A modal window titled 'Add Device' is open in the center, showing the 'Manual' tab selected. The modal contains fields for Device EUI, Device Name, Inactivity Timeout (min) (set to 30), Home Site, Asset Name, Tags, and Description. At the bottom of the modal are 'CANCEL' and 'SAVE' buttons.

- **Via DevEUI:**
 - **Steps:**
 1. Click the **Add Device** button and select **Manual**.
 2. In the **Add Device** modal, ensure the **Manual** tab is selected.
 3. Click the **Add device with DevEUI** link.
 4. Enter the following fields:
 - **Device EUI** (Required): Input the device's unique EUI (e.g., "647FDA000001F136").
 - **Device Name** (Optional): Assign a name to the device.
 - **Inactivity Timeout (min)** (Optional): Set a timeout (default is 30 minutes).
 - **Home Site** (Required): Select from dropdown (e.g., Calgary).
 - **Asset Name** (Optional): Select an asset to pair with the device.
 - **Tags** (Optional): Add tags for organization.
 - **Description** (Optional): Add a note.
 5. Click **Save** to create the device.
 - **Expectations:** The device is added and paired with the selected asset, if specified.



- **Bulk:**
 - **Steps:**
 1. Click the **Add Device** button and select **Bulk**.
 2. In the **Add Device** modal, ensure the **Bulk** tab is selected.
 3. Follow these steps:
 - Download the CSV template file by clicking **Download the CSV template file**.
 - Fill in the required fields (e.g., Device EUI, Device Name, Inactivity Timeout, Home Site, Asset Name) in the template.
 - Upload the completed CSV file by dragging and dropping or using the **Select File** button (supports .csv files, maximum size 2MB).
 4. Click **Next** to process the upload.
 5. Review and confirm the data, then click **Save**.
 - **Expectations:** Multiple devices are added based on the uploaded CSV, appearing in the list for tracking.



6.3.2 Edit Device

Conditions: You need admin permissions or explicit rights to edit devices. The device must already exist.

Modes:

- **From Main Table:**
 - **Steps:**
 1. Click the **More Actions (...)** button next to a device (e.g., "TOO08534 AO 243370044") in the table.
 2. Select **Edit** from the context menu to open the edit modal.
 3. Update the following fields:

- **Device Name (Editable):** Update the name.
 - **Home Site (Editable):** Change the site.
 - **Inactivity Timeout (min) (Editable):** Adjust the timeout.
 - **Tags (Editable):** Add or remove tags.
 - **Description (Editable):** Update the note.
4. Click **Save** to confirm changes; **Cancel** to discard.
- **Expectations:** The updated device reflects changes in the list and continues to be monitored.

The screenshot displays a 'Devices' management interface. At the top, there is a search bar and a user profile 'prof admin'. Below is a table with columns: Status, Device Name, Device EUI, Device Model, Home Site, Tags, Inactivity Timeout (min), Last Activity, Battery, Create Date, Asset Name, RSSI (dBm), SNR (dB), and PSR(dB). An 'Edit Device' modal is open, showing fields for Device EUI (647FDA00000307E6), Device Name (Andrii Pelican), Inactivity Timeout (30), Home Site (Madrid (best)), Asset Name, Tags, and Description. The modal has 'CANCEL' and 'SAVE' buttons. The table below shows various devices with their respective details.

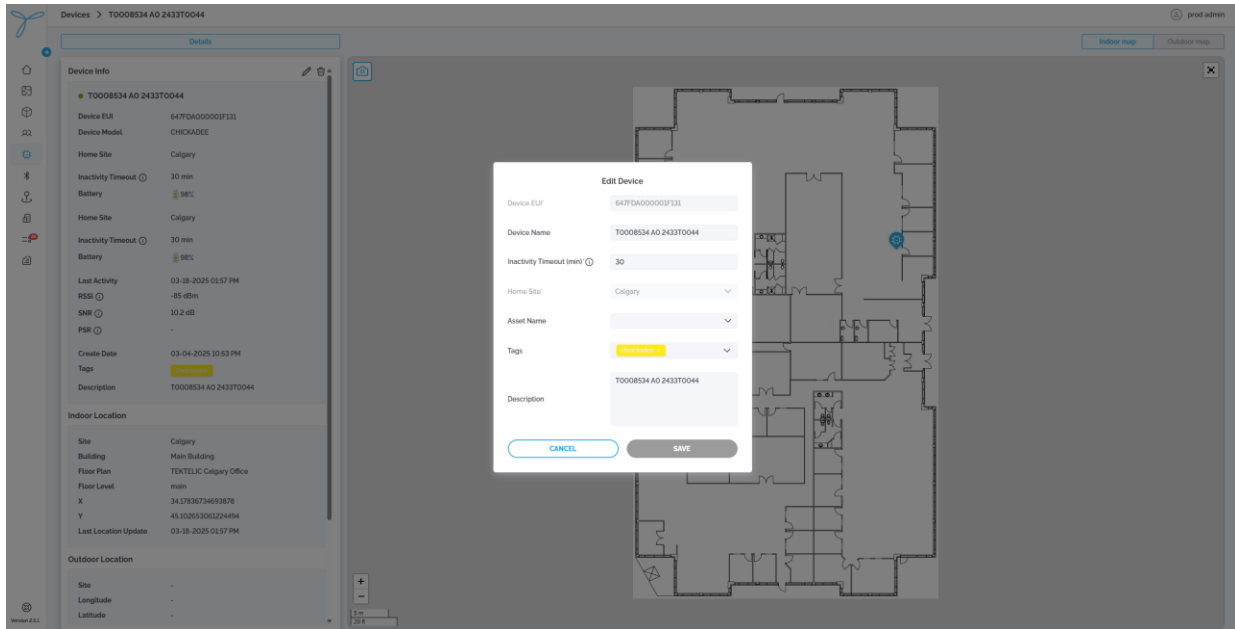
Status	Device Name	Device EUI	Device Model	Home Site	Tags	Inactivity Timeout (min)	Last Activity	Battery	Create Date	Asset Name	RSSI (dBm)	SNR (dB)	PSR(dB)
❑	Andrii Pelican	647FDA00000307E6	PELICAN	Madrid (best)	-	30	03-13-2025 01:05 PM	100%	03-12-2025 02:11 PM	Andrii Pelican's	-56	10.5	-
❑	T0008534 AD 2433T0044	647FDA000003F131	CHEKADDE	Calgary	Chickadee	30	03-18-2025 01:57 PM	98%	03-04-2025 10:53 PM	Tom's Chickadee	-85	10.2	-
❑	T0006906 BI 2346J0469	647FDA000003C929	PELICAN	Calgary	Chickadee	30	03-18-2025 02:03 PM	87%	03-04-2025 03:42 AM	Tom's Pelican 3	-54	11.8	-
❑	T006906 BI 2244J0543	647FDA0000030940	PELICAN	Calgary	Chickadee	30	03-18-2025 02:03 PM	94%	03-04-2025 01:41 AM	Tom's Pelican 1	-55	12.0	-
❑	Seal API Kyiv	647FDA000003354	SEAL	Kyiv	-	-	02-25-2025 01:52 PM	-	02-25-2025 01:52 PM	Seal API Kyiv	-	-	-
❑	T0006906 B 2442J0257	647FDA000000FFC7	PELICAN	Calgary	Chickadee	30	02-19-2025 06:48 PM	94%	02-19-2025 06:48 PM	Tom's Pelican 2	-47	9.2	-
❑	T0006906 B 2244J0511	647FDA00000306DC	PELICAN	Calgary	Chickadee	30	02-15-2025 12:30 AM	96%	02-15-2025 12:30 AM	Zanon's Newest Pelican 1	-73	11.0	-
❑	T0008534 AD 2433T0043	647FDA000003F128	CHEKADDE	Calgary	Chickadee	30	02-14-2025 10:58 PM	94%	02-14-2025 10:58 PM	Margo's Chickadee	-105	-6.5	-
❑	Pelican Roman O	647FDA0000034955	PELICAN EX	Kyiv	-	-	02-13-2025 05:29 PM	100%	02-13-2025 05:29 PM	Alex's Pelican	-62	10.2	-
❑	CS Demo Stork3	647FDA000003E982	STORK	CS-Demo	-	-	02-13-2025 10:30 AM	89%	02-13-2025 10:30 AM	CS2 Demo Stork3	-72	12.8	-
❑	Pelican Kyiv	647FDA00000305D0	PELICAN	Madrid (best)	-	-	02-07-2025 04:19 PM	100%	02-07-2025 04:19 PM	New pelican Kyiv	-38	12.0	-
❑	T0008534 AD 2433T0038	647FDA000003F12C	CHEKADDE	Calgary	Chickadee	30	02-07-2025 12:52 AM	92%	02-07-2025 12:52 AM	Isana's Chickadee	-70	9.8	-
❑	T0008534 AD 2433T0039	647FDA000003F12D	CHEKADDE	Calgary	Chickadee	30	02-06-2025 01:26 AM	91%	02-06-2025 01:26 AM	Shana's Chickadee	-71	9.5	-
❑	T0008534 AD 2433T0036	647FDA000003F12A	CHEKADDE	Calgary	Chickadee	30	02-05-2025 12:11 AM	88%	02-05-2025 12:11 AM	Dhan's Chickadee	-59	10.0	-
❑	T0008534 AD 2433T0053	647FDA000003F13F	CHEKADDE	Calgary	Chickadee	30	02-03-2025 07:50 PM	92%	02-03-2025 07:50 PM	Andrea's Chickadee	-63	7.5	-
❑	T0008534 AD 2433T0027	647FDA000003F11E	CHEKADDE	Calgary	Chickadee	30	02-03-2025 07:48 PM	90%	02-03-2025 07:48 PM	Nadia's Chickadee	-77	10.8	-
❑	T0008534 AD 2433T0047	647FDA000003F137	CHEKADDE	Calgary	Chickadee	30	02-03-2025 07:44 PM	91%	02-03-2025 07:44 PM	Allredo's Chickadee	-77	8.0	-
❑	T0008534 AD 2433T0067	647FDA000003F136	CHEKADDE	Calgary	Chickadee	30	02-03-2025 07:28 PM	91%	02-03-2025 07:28 PM	Zanon's Chickadee	-85	9.2	-
❑	T0008534 AD 2433T0042	647FDA000003F130	CHEKADDE	Calgary	Chickadee	30	02-03-2025 07:28 PM	90%	02-03-2025 07:28 PM	Kevin's Chickadee	-82	9.2	-
❑	Chickadee LPCN55	647FDA0000030FC	CHEKADDE	Kyiv	-	-	01-21-2025 03:17 PM	100%	01-21-2025 03:17 PM	Chickadee CN55	-42	10.2	-
❑	STORK LPCN55	647FDA0000030923	STORK	Kyiv	-	110	01-22-2025 10:39 AM	100%	01-21-2025 01:40 PM	Stork Home Kyiv	-99	12.2	-
❑	CS DEMO Pelican	647FDA000003E938	PELICAN	CS-Demo	-	110	02-20-2025 08:34 AM	99%	01-10-2025 01:57 PM	CS DEMO Pelican	-76	13.2	-
❑	CS DEMO Stork	647FDA000003E9E1	STORK	CS-Demo	-	110	03-12-2025 01:11 PM	100%	01-10-2025 01:54 PM	CS Demo Stork	-56	12.0	-
❑	Chickadee Isana 4 IM DEMO	647FDA000003F125	CHEKADDE	TEKTELIC North Office - IM DEMO	-	110	03-18-2025 02:03 PM	92%	01-08-2025 05:06 PM	Emma's Chickadee	-75	10.0	-
❑	Chickadee Isana 3 IM DEMO	647FDA000003F138	CHEKADDE	TEKTELIC North Office - IM DEMO	-	110	03-18-2025 01:58 PM	92%	01-08-2025 05:05 PM	Jack's Chickadee	-69	10.8	-
❑	Chickadee Isana 2 IM DEMO	647FDA000003F131	CHEKADDE	TEKTELIC North Office - IM DEMO	Chickadee	60	03-18-2025 03:03 PM	95%	01-08-2025 05:04 PM	Dave's Chickadee	-47	9.0	-

- **From Detailed View:**

- **Steps:**

1. Open the detailed view of a device (e.g., "TOO08534 AO 243370044").
2. Click the pencil icon in the **Details** tab to edit fields.
3. Update the same fields as above and save via the respective section.

- **Expectations:** Same as above.



6.3.3 Delete Device

Conditions: You need admin permissions or explicit rights to delete devices. The device must not be linked to active event rules or assets.

Consequences: Deleting a device removes it from the system, unpairs it from any associated asset, and stops its tracking. This affects associated data, including historical records, location logs, event logs, and map visibility.

Modes:

- **From Main Table:**
 - **Steps:**
 1. Click the **More Actions (...)** button next to a device (e.g., "TOO08534 AO 243370044") in the table.
 2. Select **Delete** from the context menu to open the **Confirm Delete Device** modal.
 3. Review the warning about permanent deletion and its impacts (unpairing from assets, data loss).
 4. Click **Delete** to confirm; **Cancel** to abort.
 - **Expectations:** The device is permanently removed from the list and cannot be restored.

The screenshot shows a web interface titled "Devices" with a search bar and a table of device records. A context menu is open over the device "TOO08534 AO 243370044", showing options for "Edit" and "Delete".

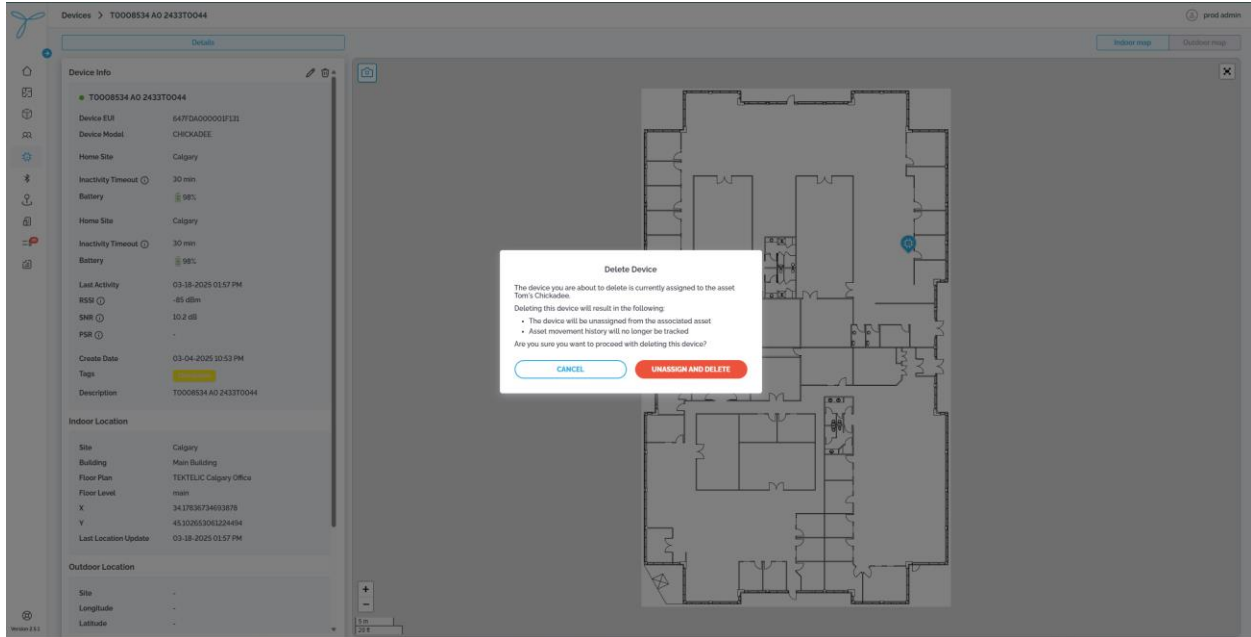
Status	Device Name	Device EUI	Device Model	Home Site	Tags	Inactivity Timeout (min)	Last Activity	Battery	Create Date	Asset Name	RSSI (dBm)	SNR (dB)	PSR (%)
●	Andri Pelican	647FDA00000007E6	PELICAN	Madrid (test)	-	30	03-13-2025 01:05 PM	100%	03-12-2025 02:11 PM	Andri Pelican's	-56	10.5	-
●	TOO08534 AO 243370044	647FDA00000007131	CHICKADEE	Calgary	Chickadee	30	03-18-2025 01:57 PM	98%	03-04-2025 10:53 PM	Tom's Chickadee	-85	10.2	-
●	TOO06906 BL 2346J0469	647FDA0000000329	PELICAN	Calgary	Pelican	30	03-18-2025 02:04 PM	87%	03-04-2025 01:42 AM	Tom's Pelican 3	-54	12.2	-
●	TOO06906 BL 2244J0543	647FDA00000005940	PELICAN	Calgary	Pelican	30	03-18-2025 02:04 PM	94%	03-04-2025 01:41 AM	Tom's Pelican 1	-51	11.2	-
●	Seal API Kiyy	647FDA0000000354	SEAL	Kiyy	Seal	30	03-13-2025 12:35 PM	-	02-25-2025 01:52 PM	Seal API Kiyy	-	-	-
●	TOO06906 B 2242J0257	647FDA0000000FFC7	PELICAN	Calgary	Pelican	30	03-18-2025 02:04 PM	94%	02-19-2025 06:48 PM	Tom's Pelican 2	-47	9.0	-
●	TOO06906 B 2244J0511	647FDA00000006DC	PELICAN	Calgary	Pelican	30	03-18-2025 02:04 PM	96%	02-15-2025 12:30 AM	Zenon's Nearest Pelican 1	-73	11.2	-
●	TOO08534 AO 243370043	647FDA00000009128	CHICKADEE	Calgary	Chickadee	30	03-18-2025 01:51 PM	94%	02-14-2025 10:58 PM	Margo's Chickadee	-105	-6.5	-
●	Pelican Roman O	647FDA00000004965	PELICAN EX	Kiyy	-	110	02-14-2025 07:33 PM	100%	02-13-2025 05:28 PM	Alan's Pelican	-62	10.2	-
●	CS Demo Stork3	647FDA0000000E982	STORK	C5-Demo	-	110	03-18-2025 01:22 PM	89%	02-13-2025 10:30 AM	CS2 Demo Stork3	-72	12.8	-
●	Pelican Kiyy	647FDA000000005D	PELICAN	Madrid (test)	Seal	5	02-28-2025 04:31 PM	100%	02-07-2025 04:19 PM	New pelican Kiyy	-38	12.0	-
●	TOO08534 AO 243370038	647FDA0000000912C	CHICKADEE	Calgary	Chickadee	60	03-18-2025 02:01 PM	92%	02-07-2025 12:52 AM	Isana's Chickadee	-70	9.8	-
●	TOO08534 AO 243370039	647FDA0000000912D	CHICKADEE	Calgary	Chickadee	60	03-18-2025 02:04 PM	91%	02-05-2025 01:26 AM	Shania's Chickadee	-71	9.2	-
●	TOO08534 AO 243370036	647FDA0000000912A	CHICKADEE	Calgary	Chickadee	60	03-18-2025 02:01 PM	88%	02-05-2025 12:11 AM	Dhan's Chickadee	-59	10.0	-
●	TOO08534 AO 243370053	647FDA0000000913F	CHICKADEE	Calgary	Chickadee	60	03-18-2025 02:03 PM	92%	02-03-2025 07:50 PM	Andrea's Chickadee	-63	7.5	-
●	TOO08534 AO 243370027	647FDA0000000911E	CHICKADEE	Calgary	Chickadee	60	03-18-2025 02:03 PM	90%	02-03-2025 07:48 PM	Nadia's Chickadee	-79	10.0	-
●	TOO08534 AO 243370047	647FDA00000009137	CHICKADEE	Calgary	Chickadee	60	03-18-2025 02:02 PM	91%	02-03-2025 07:44 PM	Alfredo's Chickadee	-77	8.0	-
●	TOO08534 AO 243370067	647FDA00000009136	CHICKADEE	Calgary	Chickadee	60	03-18-2025 02:03 PM	91%	02-03-2025 07:28 PM	Zenon's Chickadee	-87	9.2	-
●	TOO08534 AO 243370042	647FDA00000009130	CHICKADEE	Calgary	Chickadee	60	03-18-2025 01:52 AM	90%	02-03-2025 07:28 PM	Kevin's Chickadee	-82	9.2	-
●	Chickadee LPCNS5	647FDA00000009FC	CHICKADEE	Kiyy	-	110	05-21-2025 05:53 PM	100%	01-21-2025 03:17 PM	Chickadee GNS5	-42	10.2	-
●	STORK LPCNS5	647FDA0000000923	STORK	Kiyy	-	110	01-22-2025 10:39 AM	100%	01-21-2025 01:40 PM	Stork Home Kiyy	-99	12.2	-
●	CS DEMO Pelican	647FDA000000093B	PELICAN	C5-Demo	-	110	02-20-2025 08:34 AM	99%	01-10-2025 01:57 PM	CS DEMO Pelican	-76	13.2	-
●	CS DEMO Stork	647FDA0000000E981	STORK	C5-Demo	-	110	03-12-2025 01:11 PM	100%	01-10-2025 01:54 PM	CS Demo Stork	-56	12.0	-
●	Chickadee Isana 4 IM DEMO	647FDA00000009125	CHICKADEE	TEKTELIC North Office - IM DEMO	-	110	03-18-2025 02:03 PM	92%	01-08-2025 05:05 PM	Emma's Chickadee	-75	10.0	-
●	Chickadee Isana 3 IM DEMO	647FDA00000009128	CHICKADEE	TEKTELIC North Office - IM DEMO	-	110	03-18-2025 02:03 PM	92%	01-08-2025 05:05 PM	Jack's Chickadee	-69	9.8	-
●	Chickadee Isana 2 IM DEMO	647FDA00000009121	CHICKADEE	TEKTELIC North Office - IM DEMO	-	60	03-18-2025 02:02 PM	95%	01-08-2025 05:04 PM	David's Chickadee	-47	9.0	-

- **From Detailed View:**

- **Steps:**

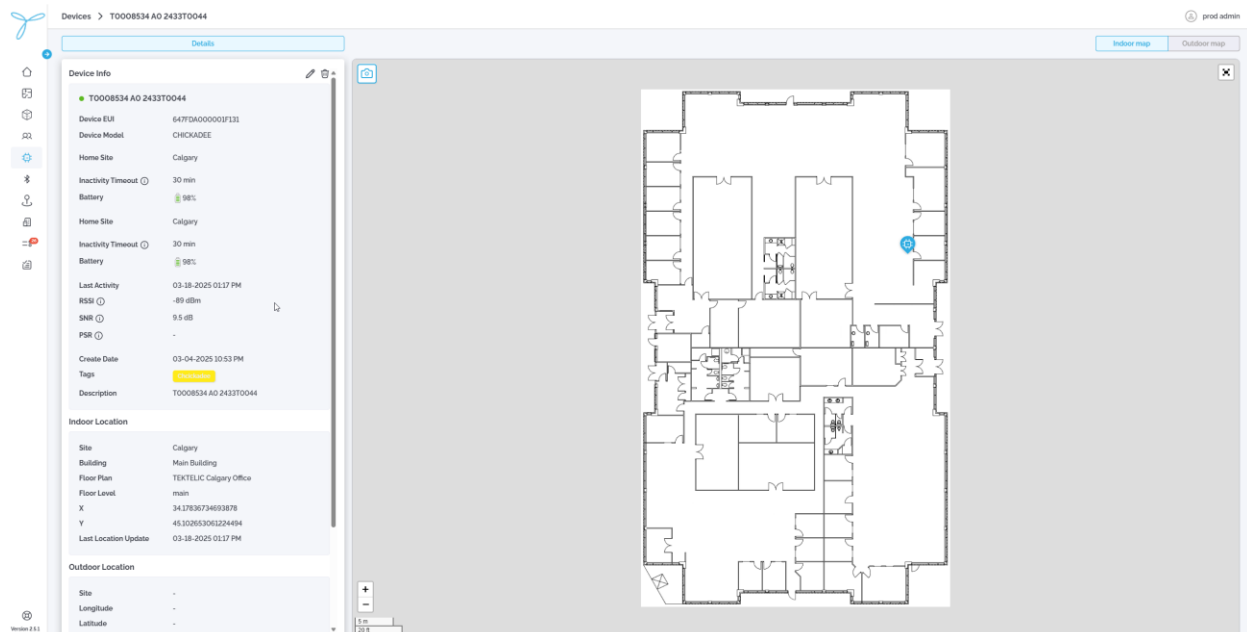
1. Open the detailed view of a device (e.g., "TOO08534 AO 243370044").
2. Click the trash icon (next to the pencil icon) to open the **Confirm Delete Device** modal.
3. Review the warning about permanent deletion and its impacts (unpairing from assets, data loss).
4. Click **Delete** to confirm; **Cancel** to abort.

- **Expectations:** Same as above.



6.3.4 Detailed View Modals

- **Details Tab:**
 - **Fields:**
 - **Device Info:** Device EUI, Device Model, Home Site, Inactivity Timeout (min), Battery, Last Activity, RSSI (dBm), SNR (dB), PSR (%), Create Date, Tags, Description.
 - **Indoor Location:** Site, Building, Floor Plan, Floor Level, X(m), Y(m), Last Location Update.
 - **Outdoor Location:** Site, Latitude, Longitude, Altitude, Last Location Update.
 - **Asset:** Asset Name, Asset ID, Asset Type.
 - **Actions:** View indoor/outdoor map by switching between **Indoor Map** and **Outdoor Map** tabs. Toggle visibility with **Visibility Preferences** (if available).
 - **Expectations:** Displays real-time or last-known location data on the selected map.



6.4 Beacons

Overview

Purpose: The Beacons page allows you to manage and monitor all beacons within the system, including their status, MAC addresses, localization modes, battery levels, and spatial data. Beacons are used for indoor positioning and asset tracking.

Access: Access this page via the main navigation menu under the **Beacons** section.

Intended Users: Admins and users with permissions to view or manage beacons can access and use this page.

Key Features and Functions

List View (Main Table)

- The table displays all beacons with the following default columns: Status, Beacon Name, MAC Address, Localization Mode, Battery, Site, Building, Floor Plan, X (m), Y (m), Tags.
- **Column Configuration (Table Preferences):**
 - Click the gear icon to open the **Table Preferences** modal.
 - Select which columns to show or hide (e.g., Status, Beacon Name, MAC Address, Localization Mode, Battery, Site, Building, Floor Plan).
 - Columns can be rearranged by dragging, hidden by deselecting, but resizing is not supported.
 - Click **Save** to apply changes; **Cancel** to discard.
- **Search and Sort:** Use the search bar to find beacons by name, MAC Address, or other criteria, and sort columns like Battery or Last Modified in ascending or descending order. Filtering by Site is available via the filter dropdown (e.g., Calgary, Madrid (test)).
- **Export Data:** Export the table to a .csv file by clicking the **CSV** button, including data matching current search and filter criteria.
- **Actions (Based on Permissions):**
 - Click the **More Actions (...)** button next to a beacon in the table to open a context menu with **Edit** and **Delete** options.
 - Admins: Add, edit, or delete beacons.
 - Standard Users: View beacons; edit or delete if granted explicit permissions.

Status	Beacon Name	MAC Address	Localization Mode	Battery	Site	Building	Floor Plan	X (m)	Y (m)	Tags	
<input type="checkbox"/>	Chickadee beacon Andri	647F DA 02 01 82	Regular	<input type="checkbox"/>	Madrid (test)	Japon	-	-	-	-	
<input type="checkbox"/>	beacon model other (recently edited) (changed with confirmed email)	647F DA 00 11 23	Nearest	<input type="checkbox"/>	Calgary	-	-	42.25	35.89	-	
<input type="checkbox"/>	T0006906 B1 2418J0257	647F DA 01 ED 08	Regular	<input type="checkbox"/>	Calgary	Main Building	TEXTELIC Calgary Office	27.28	45.84	-	
<input type="checkbox"/>	T0006906 B1 2418J0378	647F DA 01 EE 80	Nearest	<input type="checkbox"/>	TEXTELIC North Office - IM DEMO	Main Building	TEXTELIC Calgary Office	24.28	39.56	-	
<input type="checkbox"/>	T0006906 B1 2418J0372	647F DA 01 EE 89	Nearest	<input type="checkbox"/>	TEXTELIC North Office - IM DEMO	Main Building	TEXTELIC Calgary Office	21.13	54.72	-	
<input type="checkbox"/>	T0006906 B1 2418J0383	647F DA 01 EE 93	Nearest	<input type="checkbox"/>	TEXTELIC North Office - IM DEMO	Main Building	TEXTELIC Calgary Office	13.94	39.53	-	
<input type="checkbox"/>	T0006906 B1 2418J0274	647F DA 01 ED A9	Regular	<input type="checkbox"/>	Calgary	Main Building	TEXTELIC Calgary Office	34.94	41.31	-	
<input type="checkbox"/>	T0006906 B1 2418J0385	647F DA 01 EE 97	Nearest	<input type="checkbox"/>	Calgary	Main Building	TEXTELIC Calgary Office	7.29	54.62	-	
<input type="checkbox"/>	T0006906 B1 2418J0370	647F DA 01 EC CE	Regular	<input type="checkbox"/>	Calgary	Main Building	TEXTELIC Calgary Office	20.24	33.31	-	
<input type="checkbox"/>	F822	AC 23 3F 65 F8 22	Regular	<input type="checkbox"/>	Madrid (test)	Japon	Flat room	3.22	8.13	IN	
<input type="checkbox"/>	F824	AC 23 3F 65 F8 24	Regular	<input type="checkbox"/>	Madrid (test)	Japon	Flat room	4.27	7.09	Christmas Day	
<input type="checkbox"/>	8CE7	AC 23 3F 5B 8C E7	Regular	<input type="checkbox"/>	Madrid (test)	Japon	Flat room	3.22	7.1	IN	
<input type="checkbox"/>	8C9A	AC 23 3F 5B 8C 9A	Regular	<input type="checkbox"/>	Madrid (test)	Japon	Flat room	4.24	8.13	IN Christmas Day	
<input type="checkbox"/>	T0006906 B 2244J0521	647F DA 01 82 D2	Nearest	<input type="checkbox"/>	Calgary	TEXTELIC Office	-	-	-	-	
<input type="checkbox"/>	T0006906 B 2244J0508	647F DA 01 84 38	Nearest	<input type="checkbox"/>	Calgary	TEXTELIC Office	-	-	-	-	
<input type="checkbox"/>	T0006906 B 2244J0547	647F DA 01 85 85	Nearest	<input type="checkbox"/>	Calgary	TEXTELIC Office	-	-	-	-	
<input type="checkbox"/>	T0006906 B 2244J0504	647F DA 01 82 A2	Nearest	<input type="checkbox"/>	Calgary	TEXTELIC Office	-	-	-	-	
<input type="checkbox"/>	T0006906 B 2244J0531	647F DA 01 82 DC	Nearest	<input type="checkbox"/>	Calgary	TEXTELIC Office	-	-	-	-	
<input type="checkbox"/>	T0006906 B 2244J0534	647F DA 01 82 D0	Nearest	<input type="checkbox"/>	Calgary	TEXTELIC Office	-	-	-	-	
<input type="checkbox"/>	T0006906 B 2244J0539	647F DA 01 82 98	Nearest	<input type="checkbox"/>	TEXTELIC North Office - IM DEMO	TEXTELIC Office	-	-	-	-	

Beacons prod admin

ADD BEACON

Status	Beacon Name	MAC Address	Localization Mode	Battery	Site	Building	Floor Plan	X (m)	Y (m)	Tags
<input type="checkbox"/>	Chickadee beacon Andrii	64:7F:DA:02:01:82	Regular	<input type="checkbox"/>	Madrid (test)	Japon	-	-	-	
<input type="checkbox"/>	beacon model other (recently edited)	64:7F:DA:00:11:23	Nearest	<input type="checkbox"/>	Calgary	-	-	42.25	35.89	
<input type="checkbox"/>	T0006906 B1 2418J0297	64:7F:DA:01:ED:08	Regular	<input type="checkbox"/>	Calgary	Main Building	TEKTELIC Calgary Office	27.28	45.84	
<input type="checkbox"/>	T0006906 B1 2418J0378	64:7F:DA:01:EE:8D	Nearest	<input type="checkbox"/>	TEKTELIC North Office - IM DEMO	Main Building	TEKTELIC Calgary Office	24.28	39.56	
<input type="checkbox"/>	T0006906 B1 2418J0372	64:7F:DA:01:EE:89	Nearest	<input type="checkbox"/>	TEKTELIC North Office - IM DEMO	Main Building	TEKTELIC Calgary Office	21.13	54.72	
<input type="checkbox"/>	T0006906 B1 2418J0383	64:7F:DA:01:EE:93	Nearest	<input type="checkbox"/>	TEKTELIC North Office - IM DEMO	Main Building	TEKTELIC Calgary Office	13.94	39.53	
<input type="checkbox"/>	T0006906 B1 2418J0274	64:7F:DA:01:ED:A9	Regular	<input type="checkbox"/>	Calgary	Main Building	TEKTELIC Calgary Office	34.94	41.31	
<input type="checkbox"/>	T0006906 B1 2418J0385	64:7F:DA:01:EE:97	Nearest	<input type="checkbox"/>	Calgary	Main Building	TEKTELIC Calgary Office	7.29	54.62	
<input type="checkbox"/>	T0006906 B1 2418J0370	64:7F:DA:01:EC:CE	Regular	<input type="checkbox"/>	Calgary	Main Building	TEKTELIC Calgary Office	20.24	33.31	
<input type="checkbox"/>	F822	AC:23:3F:65:F8:22	Regular	<input type="checkbox"/>	Madrid (test)	Japon	Flat room	3.22	8.13	Rel
<input type="checkbox"/>	F824	AC:23:3F:65:F8:24	Regular	<input type="checkbox"/>	Japon	Japon	Flat room	4.27	7.09	Christmas tree
<input type="checkbox"/>	BC17	AC:23:3F:58:9C:E7	Regular	<input type="checkbox"/>	Madrid (test)	Japon	Flat room	3.22	7.1	Rel
<input type="checkbox"/>	BC3A	AC:23:3F:58:9C:9A	Regular	<input type="checkbox"/>	Madrid (test)	Japon	Flat room	4.24	8.13	Rel Christmas tree
<input type="checkbox"/>	T0006906 B 2244J0521	64:7F:DA:01:82:D2	Nearest	<input type="checkbox"/>	Calgary	TEKTELIC Office	-	-	-	
<input type="checkbox"/>	T0006906 B 2244J0508	64:7F:DA:01:84:38	Nearest	<input type="checkbox"/>	Calgary	TEKTELIC Office	-	-	-	
<input type="checkbox"/>	T0006906 B 2244J0547	64:7F:DA:01:85:85	Nearest	<input type="checkbox"/>	Calgary	TEKTELIC Office	-	-	-	
<input type="checkbox"/>	T0006906 B 2244J0504	64:7F:DA:01:82:A2	Nearest	<input type="checkbox"/>	Calgary	TEKTELIC Office	-	-	-	
<input type="checkbox"/>	T0006906 B 2244J0531	64:7F:DA:01:82:DC	Nearest	<input type="checkbox"/>	Calgary	TEKTELIC Office	-	-	-	
<input type="checkbox"/>	T0006906 B 2244J0534	64:7F:DA:01:82:DD	Nearest	<input type="checkbox"/>	Calgary	TEKTELIC Office	-	-	-	
<input type="checkbox"/>	T0006906 B 2244J0639	64:7F:DA:01:82:9B	Nearest	<input type="checkbox"/>	TEKTELIC North Office - IM DEMO	TEKTELIC Office	-	-	-	

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ADD BEACON

Status	Beacon Name	MAC Address	Localization Mode	Battery	Site	Building	Floor Plan	X (m)	Y (m)	Tags
<input type="checkbox"/>	Chickadee beacon Andrii	64:7F:DA:02:01:82	Regular	<input type="checkbox"/>	Madrid (test)	Japon	-	-	-	
<input type="checkbox"/>	beacon model other (recently edited) (changed with confirmed email)	64:7F:DA:00:11:23	Nearest	<input type="checkbox"/>	Calgary	-	-	42.25	35.89	
<input type="checkbox"/>	T0006906 B1 2418J0297	64:7F:DA:01:ED:08	Regular	<input type="checkbox"/>	Calgary	Main Building	TEKTELIC Calgary Office	27.28	45.84	
<input type="checkbox"/>	T0006906 B1 2418J0378	64:7F:DA:01:EE:8D	Nearest	<input type="checkbox"/>	TEKTELIC North Office - IM DEMO	Main Building	TEKTELIC Calgary Office	24.28	39.56	
<input type="checkbox"/>	T0006906 B1 2418J0372	64:7F:DA:01:EE:89	Nearest	<input type="checkbox"/>	TEKTELIC North Office - IM DEMO	Main Building	TEKTELIC Calgary Office	21.13	54.72	
<input type="checkbox"/>	T0006906 B1 2418J0383	64:7F:DA:01:EE:93	Nearest	<input type="checkbox"/>	TEKTELIC North Office - IM DEMO	Main Building	TEKTELIC Calgary Office	13.94	39.53	
<input type="checkbox"/>	T0006906 B1 2418J0274	64:7F:DA:01:ED:A9	Regular	<input type="checkbox"/>	Calgary	Main Building	TEKTELIC Calgary Office	34.94	41.31	
<input type="checkbox"/>	T0006906 B1 2418J0385	64:7F:DA:01:EE:97	Nearest	<input type="checkbox"/>	Calgary	Main Building	TEKTELIC Calgary Office	7.29	54.62	
<input type="checkbox"/>	T0006906 B1 2418J0370	64:7F:DA:01:EC:CE	Regular	<input type="checkbox"/>	Calgary	Main Building	TEKTELIC Calgary Office	20.24	33.31	
<input type="checkbox"/>	F822	AC:23:3F:65:F8:22	Regular	<input type="checkbox"/>	Madrid (test)	Japon	Flat room	3.22	8.13	Rel
<input type="checkbox"/>	F824	AC:23:3F:65:F8:24	Regular	<input type="checkbox"/>	Japon	Japon	Flat room	4.27	7.09	Christmas tree
<input type="checkbox"/>	BC17	AC:23:3F:58:9C:E7	Regular	<input type="checkbox"/>	Madrid (test)	Japon	Flat room	3.22	7.1	Rel
<input type="checkbox"/>	BC3A	AC:23:3F:58:9C:9A	Regular	<input type="checkbox"/>	Madrid (test)	Japon	Flat room	4.24	8.13	Rel Christmas tree
<input type="checkbox"/>	T0006906 B 2244J0521	64:7F:DA:01:82:D2	Nearest	<input type="checkbox"/>	Calgary	TEKTELIC Office	-	-	-	
<input type="checkbox"/>	T0006906 B 2244J0508	64:7F:DA:01:84:38	Nearest	<input type="checkbox"/>	Calgary	TEKTELIC Office	-	-	-	
<input type="checkbox"/>	T0006906 B 2244J0547	64:7F:DA:01:85:85	Nearest	<input type="checkbox"/>	Calgary	TEKTELIC Office	-	-	-	
<input type="checkbox"/>	T0006906 B 2244J0504	64:7F:DA:01:82:A2	Nearest	<input type="checkbox"/>	Calgary	TEKTELIC Office	-	-	-	
<input type="checkbox"/>	T0006906 B 2244J0531	64:7F:DA:01:82:DC	Nearest	<input type="checkbox"/>	Calgary	TEKTELIC Office	-	-	-	
<input type="checkbox"/>	T0006906 B 2244J0534	64:7F:DA:01:82:DD	Nearest	<input type="checkbox"/>	Calgary	TEKTELIC Office	-	-	-	
<input type="checkbox"/>	T0006906 B 2244J0639	64:7F:DA:01:82:9B	Nearest	<input type="checkbox"/>	TEKTELIC North Office - IM DEMO	TEKTELIC Office	-	-	-	

Table preferences

- Status
- Beacon Name
- MAC Address
- Localization Mode
- Battery
- Site
- Building
- Floor Plan

CANCEL SAVE

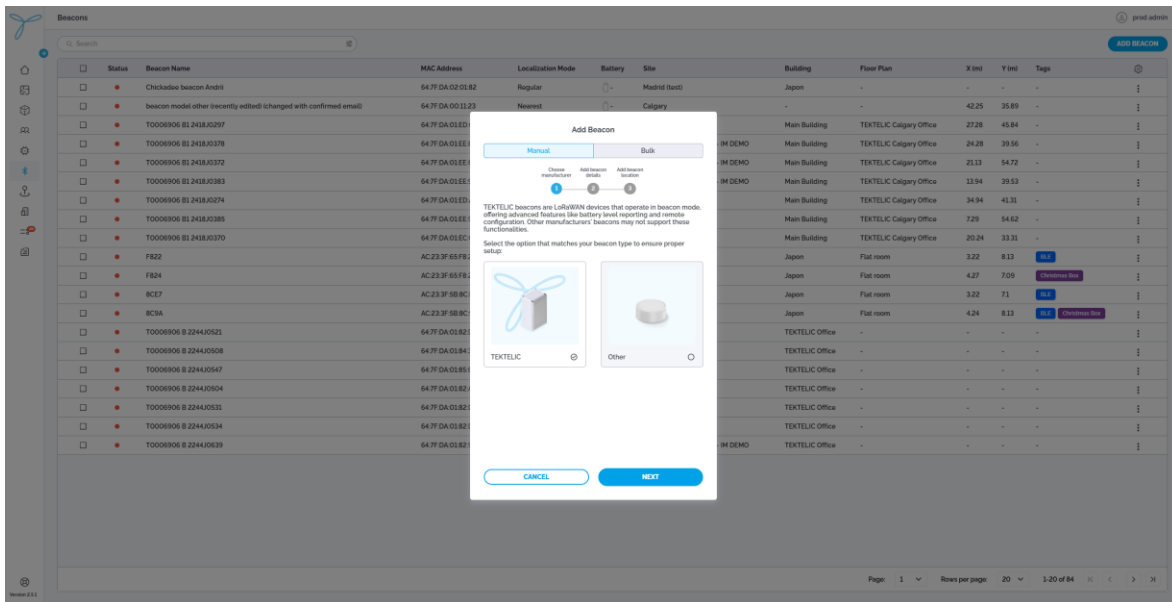
Page: 1 Rows per page: 20 1-20 of 84

Detailed View

- Open the detailed view by clicking a beacon in the table (e.g., "Chickadee beacon Andrii").
- The detailed view provides tabs for **Details**, with comprehensive beacon information (to be detailed separately due to numerous nuances).

6.4.1 Add New Beacon

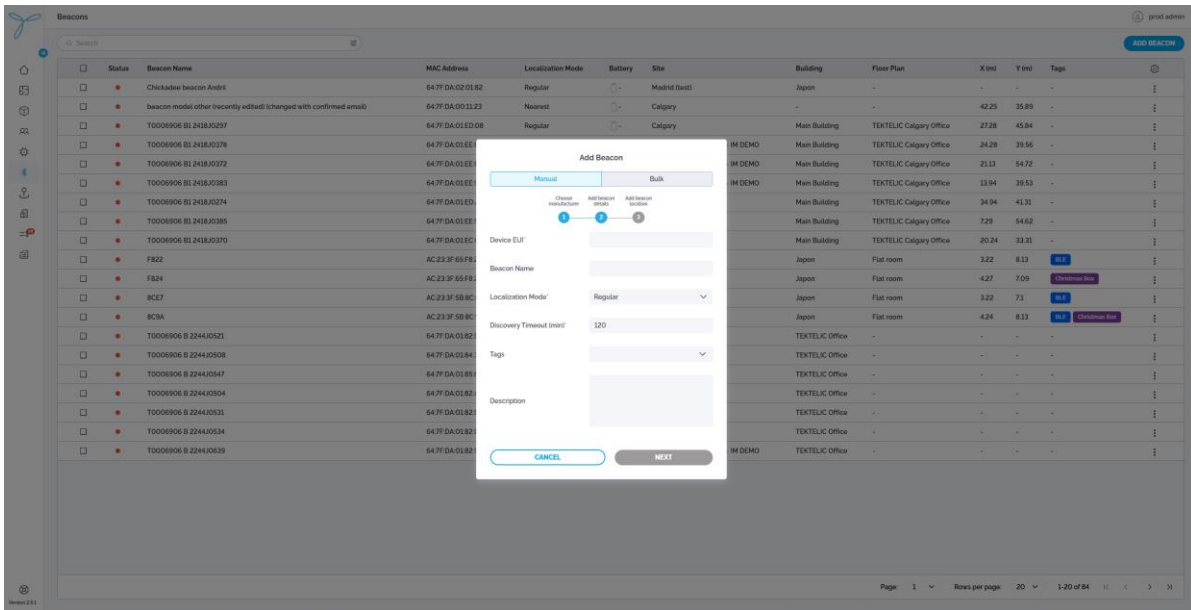
Conditions: You need admin permissions or explicit rights to add beacons.



Modes:

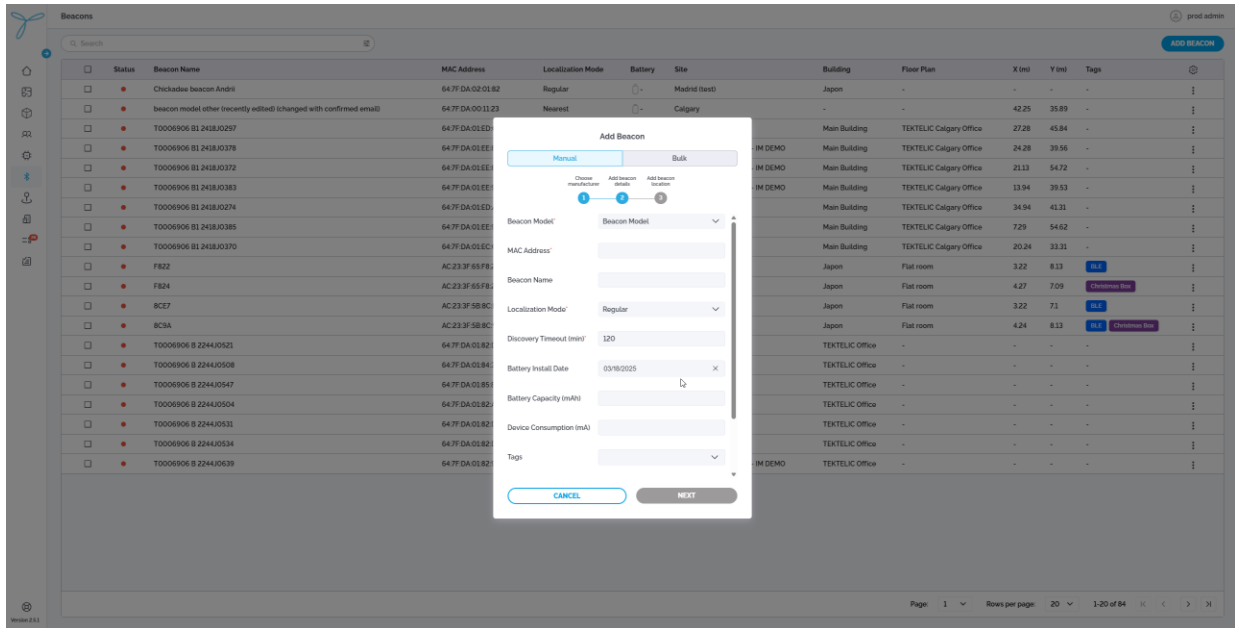
- **Tektelic:**
 - **Steps:**
 1. Click the **Add Beacon** button.
 2. In the **Add Beacon** modal, ensure the **Manual** tab is selected.
 3. Select **Tektelic** as the manufacturer.
 4. Enter the following fields (marked with * are required):
 - **Device EUI*** (Required): Input the beacon's unique EUI (e.g., "647FDA000001F136").
 - **Localization Mode*** (Required): Select from dropdown (e.g., Regular, Nearest).
 - ***Discovery Timeout (min)** (Required): Set a timeout (default is 120 minutes).
 - **Beacon Name** (Optional): Assign a name to the beacon.
 - **Battery Install Date** (Optional): Set the installation date (default is current date, e.g., 03/18/2025).
 - **Battery Capacity (mAh)** (Optional): Input battery capacity.
 - **Device Consumption (mA)** (Optional): Input device consumption.
 - **X (m)** (Optional): Input X-coordinate.
 - **Y (m)** (Optional): Input Y-coordinate.
 - **Tags** (Optional): Add tags for organization.
 - **Description** (Optional): Add a note.

5. Click **Save** to create the beacon.
- **Expectations:** The Tektelic beacon is added to the system with the specified parameters.

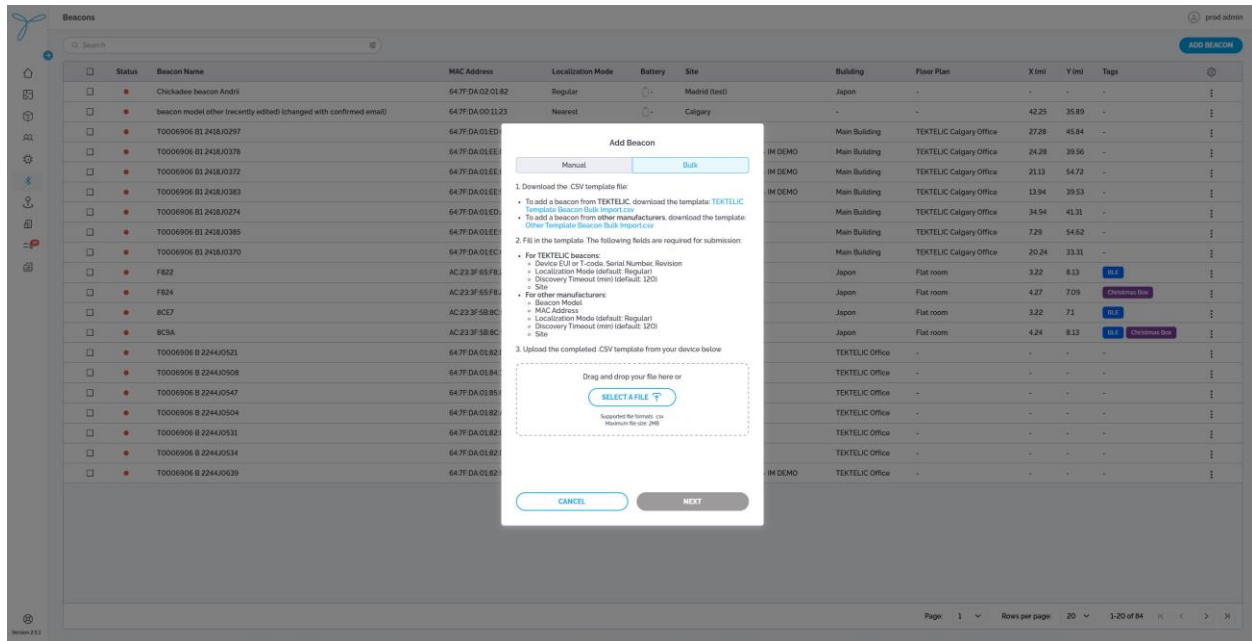


- **3rd Party:**
 - **Steps:**
 1. Click the **Add Beacon** button.
 2. In the **Add Beacon** modal, ensure the **Manual** tab is selected.
 3. Select **Other** as the manufacturer.
 4. Enter the following fields (marked with * are required):
 - **Beacon Model*** (Required): Select from dropdown (e.g., AC23F-65F-8F24, AC23F-58-BC-E7).
 - **MAC Address*** (Required): Input the beacon's MAC address (e.g., "64:7F:DA:01:82:02").
 - **Localization Mode*** (Required): Select from dropdown (e.g., Regular).
 - ***Discovery Timeout (min)** (Required): Set a timeout (default is 120 minutes).
 - **Beacon Name** (Optional): Assign a name to the beacon.
 - **Battery Install Date** (Optional): Set the installation date (default is current date, e.g., 03/18/2025).

- **Battery Capacity (mAh)** (Optional): Input battery capacity.
 - **Device Consumption (mA)** (Optional): Input device consumption.
 - **X (m)** (Optional): Input X-coordinate.
 - **Y (m)** (Optional): Input Y-coordinate.
 - **Tags** (Optional): Add tags for organization.
 - **Description** (Optional): Add a note.
5. Click **Save** to create the beacon.
- **Expectations:** The 3rd party beacon is added to the system with the specified parameters.



- **Bulk:**
 - **Steps:**
 1. Click the **Add Beacon** button and select **Bulk**.
 2. In the **Add Beacon** modal, ensure the **Bulk** tab is selected.
 3. Follow these steps:
 - Download the CSV template file by clicking **Download the CSV template file**.
 - Fill in the required fields (e.g., Beacon Model, MAC Address, Localization Mode, Discovery Timeout, X (m), Y (m)) in the template.
 - Upload the completed CSV file by dragging and dropping or using the **Select File** button (supports .csv files, maximum size 2MB).
 4. Click **Next** to process the upload.
 5. Review and confirm the data, then click **Save**.
 - **Expectations:** Multiple beacons are added based on the uploaded CSV, appearing in the list for tracking.

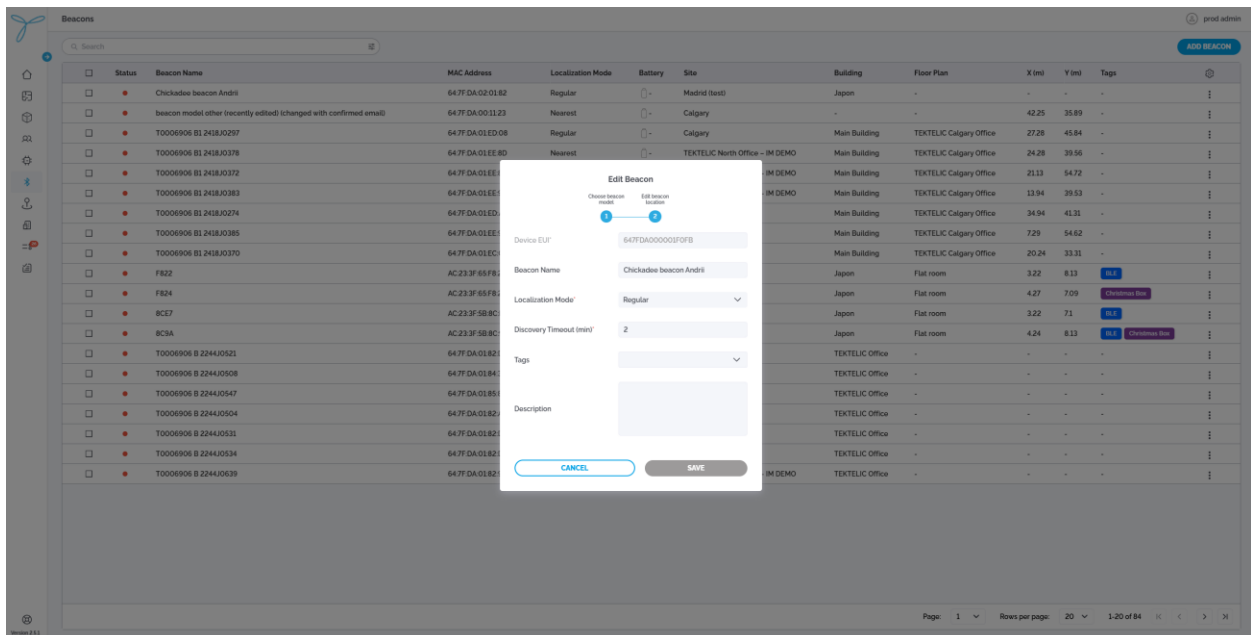


6.4.2 Edit Beacon

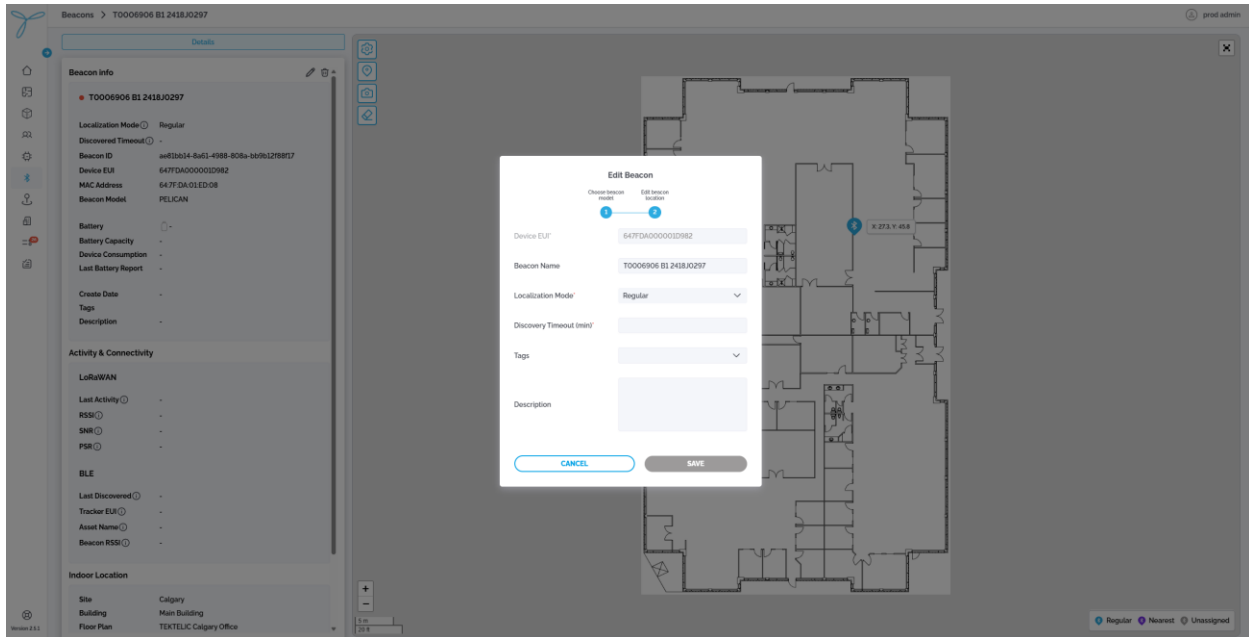
Conditions: You need admin permissions or explicit rights to edit beacons. The beacon must already exist.

Modes:

- **From Main Table:**
 - **Steps:**
 1. Click the **More Actions (...)** button next to a beacon (e.g., "Chickadee beacon Andrii") in the table.
 2. Select **Edit** from the context menu to open the edit modal.
 3. Update the following fields:
 - **Beacon Name** (Editable): Update the name.
 - **Localization Mode** (Editable): Change the mode.
 - **Discovery Timeout (min)** (Editable): Adjust the timeout.
 - **Battery Install Date** (Editable): Update the date.
 - **Battery Capacity (mAh)** (Editable): Update capacity.
 - **Device Consumption (mA)** (Editable): Update consumption.
 - **X (m)** (Editable): Update X-coordinate.
 - **Y (m)** (Editable): Update Y-coordinate.
 - **Tags** (Editable): Add or remove tags.
 - **Description** (Editable): Update the note.
 4. Click **Save** to confirm changes; **Cancel** to discard.
 - **Expectations:** The updated beacon reflects changes in the list and continues to be monitored.



- **From Detailed View:**
 - **Steps:**
 1. Open the detailed view of a beacon (e.g., "Chickadee beacon Andrii").
 2. Click the pencil icon in the **Details** tab to edit fields.
 3. Update the same fields as above and save via the respective section.
 - **Expectations:** Same as above.



6.4.3 Delete Beacon

Conditions: You need admin permissions or explicit rights to delete beacons. The beacon must not be linked to active event rules or assets.

Consequences: Deleting a beacon removes it from the system, unpairs it from any associated data, and stops its tracking. This affects historical records, location logs, and map visibility.

Modes:

- **From Main Table:**
 - **Steps:**
 1. Click the **More Actions (...)** button next to a beacon (e.g., "Chickadee beacon Andrii") in the table.
 2. Select **Delete** from the context menu to open the **Confirm Delete Beacon** modal.
 3. Review the warning about permanent deletion and its impacts (unpairing, data loss).
 4. Click **Delete** to confirm; **Cancel** to abort.
 - **Expectations:** The beacon is permanently removed from the list and cannot be restored.

Status	Beacon Name	MAC Address	Localization Mode	Battery	Site	Building	Floor Plan	X (m)	Y (m)	Tags
❑	Chickadee beacon Andrii	64:7F:DA:02:01:82	Regular	🔋	Madrid (test)	Japon	-	-	-	
❑	beacon modal other (recently edited) (changed with confirmed email)	64:7F:DA:00:11:23	Nearest	🔋	Calgary	-	-	42.25	35.89	
❑	T0006906 B1 2418J0297	64:7F:DA:01:ED:08	Regular	🔋	Calgary	Main Building	TEKTELIC Calgary Office	27.28	45.84	
❑	T0006906 B1 2418J0378	64:7F:DA:01:EE:8D	Nearest	🔋	TEKTELIC North Office - IM DEMO	Main Building	TEKTELIC Calgary Office	24.28	39.56	
❑	T0006906 B1 2418J0372	64:7F:DA:01:EE:89	Nearest	🔋	TEKTELIC North Office - IM DEMO	Main Building	TEKTELIC Calgary Office	21.13	54.72	
❑	T0006906 B1 2418J0383	64:7F:DA:01:EE:93	Nearest	🔋	TEKTELIC North Office - IM DEMO	Main Building	TEKTELIC Calgary Office	13.94	39.53	
❑	T0006906 B1 2418J0274	64:7F:DA:01:ED:A9	Regular	🔋	Calgary	Main Building	TEKTELIC Calgary Office	34.94	41.31	
❑	T0006906 B1 2418J0385	64:7F:DA:01:EE:97	Nearest	🔋	Calgary	Main Building	TEKTELIC Calgary Office	7.29	54.62	
❑	T0006906 B1 2418J0370	64:7F:DA:01:EC:CE	Regular	🔋	Calgary	Main Building	TEKTELIC Calgary Office	20.24	33.31	
❑	F822	AC:23:3F:65:F8:22	Regular	🔋	Madrid (test)	Japon	Flat room	3.22	8.13	📅
❑	F824	AC:23:3F:65:F8:24	Regular	🔋	Madrid (test)	Japon	Flat room	4.27	7.09	📅 Christmas Eve
❑	BCE7	AC:23:3F:58:9C:E7	Regular	🔋	Madrid (test)	Japon	Flat room	3.22	7.1	📅
❑	BC3A	AC:23:3F:58:9C:9A	Regular	🔋	Madrid (test)	Japon	Flat room	4.24	8.13	📅 📅 Christmas Eve
❑	T0006906 B 2244J0521	64:7F:DA:01:82:D2	Nearest	🔋	Calgary	TEKTELIC Office	-	-	-	
❑	T0006906 B 2244J0508	64:7F:DA:01:84:38	Nearest	🔋	Calgary	TEKTELIC Office	-	-	-	
❑	T0006906 B 2244J0547	64:7F:DA:01:85:85	Nearest	🔋	Calgary	TEKTELIC Office	-	-	-	
❑	T0006906 B 2244J0504	64:7F:DA:01:82:A2	Nearest	🔋	Calgary	TEKTELIC Office	-	-	-	
❑	T0006906 B 2244J0531	64:7F:DA:01:82:DC	Nearest	🔋	Calgary	TEKTELIC Office	-	-	-	
❑	T0006906 B 2244J0534	64:7F:DA:01:82:DD	Nearest	🔋	Calgary	TEKTELIC Office	-	-	-	
❑	T0006906 B 2244J0639	64:7F:DA:01:82:98	Nearest	🔋	TEKTELIC North Office - IM DEMO	TEKTELIC Office	-	-	-	

- From Detailed View:**
 - Steps:**
 - Open the detailed view of a beacon (e.g., "Chickadee beacon Andrii").
 - Click the trash icon (next to the pencil icon) to open the **Confirm Delete Beacon** modal.
 - Review the warning about permanent deletion and its impacts (unpairing, data loss).
 - Click **Delete** to confirm; **Cancel** to abort.
 - Expectations:** Same as above.

6.4.4 Detailed view

Overview

Purpose: The Detailed View provides an in-depth look at a specific beacon's configuration, activity, connectivity, and location data. It includes a map interface for visualizing and managing the beacon's position.

Access: Open the detailed view by clicking a beacon in the **Beacons** list (e.g., "T0006906 B1 2418J0297").

Intended Users: Admins and users with permissions to view or manage beacon details.

Key Features and Functions

Tabs and Sections

- **Details Tab:**
 - Displays comprehensive information about the selected beacon, organized into sections.

Beacon Info

- **Parameters:**
 - **Beacon Name:** T0006906 B1 2418J0297
 - **Localization Mode:** Regular
 - **Discovered Timeout:** -
 - **Beacon ID:** ae81bb14-8a61-4988-808a-bb9b12f88f17
 - **Device EUI:** 647FDA000001D982
 - **MAC Address:** 64:7F:DA:01:ED:08
 - **Beacon Model:** PELICAN
 - **Battery:** -
 - **Battery Capacity:** -
 - **Device Consumption:** -
 - **Last Battery Report:** -
 - **Create Date:** -
 - **Tags:** -
 - **Description:** -

Activity & Connectivity

- **Parameters:**
 - **LoRaWAN:** -
 - **Last Activity:** -
 - **RSSI:** -
 - **SNR:** -
 - **PSR:** -
 - **BLE:**
 - **Last Discovered:** -
 - **Tracker EUI:** -
 - **Asset Name:** -
 - **Beacon RSSI:** -

Indoor Location

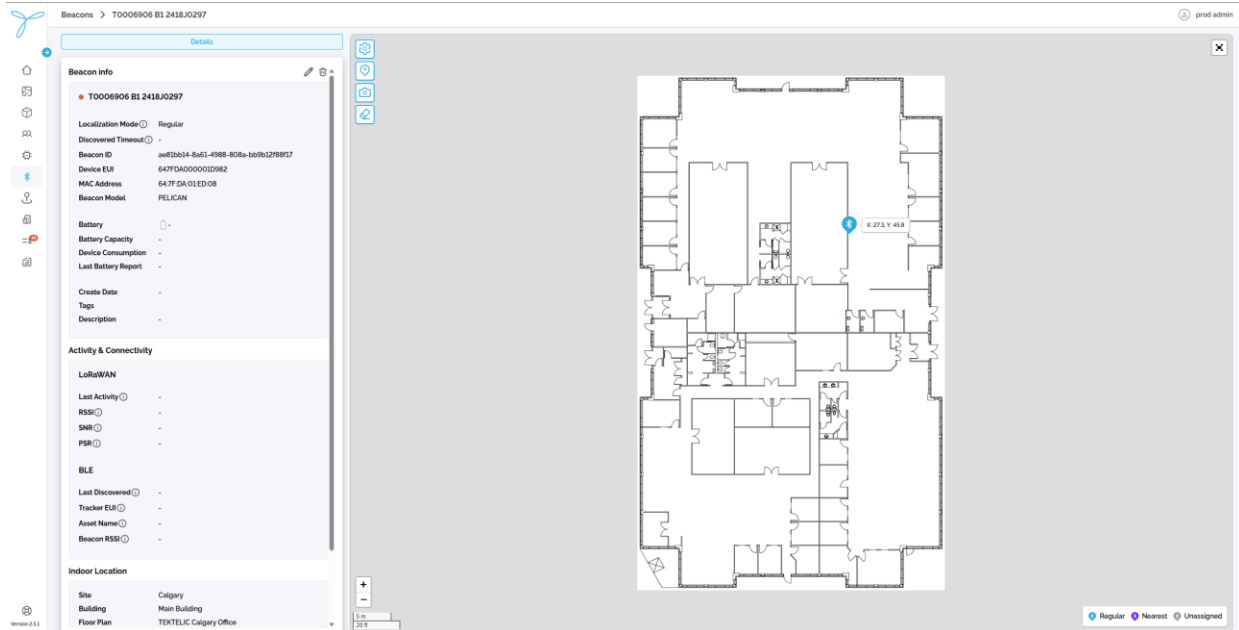
- **Parameters:**
 - **Site:** Calgary
 - **Building:** Main Building
 - **Floor Plan:** TEKTELIC Calgary Office
 - **Floor Level:** main

- **X (m):** 27.28
- **Y (m):** 45.84
- **Last Activity:** 02-14-2025 01:19 AM
- **Last Modified by:** orassykhin@tektelic.com

Map Interface

- **Visual Representation:** Displays the beacon's position on the selected floor plan (e.g., TEKTELIC Calgary Office) with a marker (e.g., blue icon at X:27.28, Y:45.84).
- **Buttons and Actions:**
 - **Visibility Preferences:**
 - Option: Only Geofence.
 - Allows toggling visibility settings to show only geofence boundaries on the map.
 - **Draw Mode:**
 - Enables repositioning of the beacon on the map.
 - **Steps:** Click to activate, drag the beacon to a new position, click again to confirm and save the new coordinates (X (m), Y (m)).
 - **Expectations:** Updates the beacon's location in real-time on the map and in the Indoor Location section.
 - **Export (Screenshot):**
 - Captures the current map view as a screenshot.
 - **Steps:** Click to download the image file.
 - **Expectations:** Saves the screenshot to the user's device.

- **Delete:**
 - Initiates the deletion process for the beacon.
 - **Steps:** Click to open the delete mode, click the beacon marker on the map to select it, click again to confirm deletion in the **Confirm Delete Beacon** modal.
 - **Consequences:** Removes the beacon from the system, unpairs it from associated data, and affects historical records and map visibility.
 - **Expectations:** The beacon is permanently removed and cannot be restored.



6.4.5 Add third-party beacon model (available only via API)

Conditions: You need admin permissions or explicit rights to add beacon models. This functionality is currently available only through the backend API.

Steps (via API):

Preconditions:

To operate with the API, you will need to receive an access token for LOCUS account. Please contact astarchenko@tektelic.com

1. Use an API client (e.g., Postman) to send a POST request to the endpoint for creating beacon models (e.g., <https://api.locus.tektelic.com/beacon-models>).
2. In the request body, provide the following JSON payload:

```
{
  "name": "beacon_model",
  "description": "beacon_model",
  "manufacturer": "Other",
  "tenantId": "5348f3a1-0d65-4c78-a19e-a604d83e3512"
}
```

3. Set the appropriate headers (e.g., Content-Type: application/json, and include an authorization token).
4. Send the request and verify the response (e.g., a 201 Created status with the created model's details, including a generated id).

6.5 Sites

Overview

Purpose: The Sites page allows users to manage and monitor all sites within the system, including their names, assets inside, tags, Site IDs, and creation dates. Sites represent geographical locations where beacons and assets are deployed.

Access: Access this page via the main navigation menu under the **Sites** section.

Intended Users: Admins and users with permissions to view or manage sites.

Key Features and Functions

List View (Main Table)

- The table displays all sites with the following default columns: Site Name, Assets Inside, Tags, Site ID, Create Date.
- **Column Configuration (Table Preferences):**
 - Click the gear icon to open the **Table Preferences** modal.
 - Select which columns to show or hide (e.g., Site Name, Assets Inside, Tags, Site ID, Create Date).
 - Columns can be rearranged by dragging, hidden by deselecting, but resizing is not supported.
 - Click **Save** to apply changes; **Cancel** to discard.
 - **Note:** Only the specified columns (Site Name, Assets Inside, Tags, Site ID, Create Date) are available.
- **Search and Filter:**
 - Use the **Search** bar to find sites by Site Name.
 - Use the **Tags** filter dropdown to filter sites by tags (e.g., BLE).
 - **Steps:** Click the filter icon, select tags (e.g., BLE), click **Apply** to filter, or **Clear** to reset.
 - **Expectations:** Displays only sites matching the selected tags.
- **Actions (Based on Permissions):**
 - Click the **More Actions (...)** button next to a site in the table to open a context menu with **Edit** and **Delete** options (to be detailed if needed).
 - Admins: Add, edit, or delete sites.
 - Standard Users: View sites; edit or delete if granted explicit permissions.
- **Pagination:** Adjust rows per page (e.g., 50) and navigate pages (e.g., 1 of 7) using the pagination controls at the bottom.

Sites prof admin

Search

Site Name	Assets Inside	Tags	
<input type="checkbox"/> Calgary	1	-	
<input type="checkbox"/> Kyiv	-	-	
<input type="checkbox"/> Private Residence 1	-	-	
<input type="checkbox"/> TEXTELIC North Office - IM DEMO	-	-	
<input type="checkbox"/> CS-Demo	-	-	
<input type="checkbox"/> Dubai	-	-	
<input type="checkbox"/> Madrid (test)	-	1	

Page 1 Rows per page: 50 1 of 7

Sites prof admin

Search

Tag

Site Name	Assets Inside	Tags	
<input type="checkbox"/> Calgary	1	-	
<input type="checkbox"/> Kyiv	-	-	
<input type="checkbox"/> Private Residence 1	-	-	
<input type="checkbox"/> TEXTELIC North Office - IM DEMO	-	-	
<input type="checkbox"/> CS-Demo	-	-	
<input type="checkbox"/> Dubai	-	-	
<input type="checkbox"/> Madrid (test)	-	1	

Page 1 Rows per page: 50 1 of 7

Sites prof admin

Search

Site Name	Assets Inside	Tags	Site ID	Create Date
<input type="checkbox"/> Calgary	1	-	4d289fa0-8614-400d-9548-5846a38556bc	-
<input type="checkbox"/> Kyiv	-	-	0d8f04f5-205f-45ee-9d28-524c418bd0fb	-
<input type="checkbox"/> Private Residence 1	-	-	18a20a53-8773-4c1e-8460-ba7899f556a1	-
<input type="checkbox"/> TEXTELIC North Office - IM DEMO	-	-	cc17a3ee-7586-4444-988c-df90a62fbaef	-
<input type="checkbox"/> CS-Demo	-	-	54265413-848d-45ee-ad78-ee706279e79e	-
<input type="checkbox"/> Dubai	-	-	a61c120f-a669-4801-8770-d56a8f567033	-
<input type="checkbox"/> Madrid (test)	-	1	9961379-eaf1-4400-a83b-7182a04688c7	02-07-2025 03:00 PM

Table preferences

Site Name

Assets Inside

Tags

Site ID

Create Date

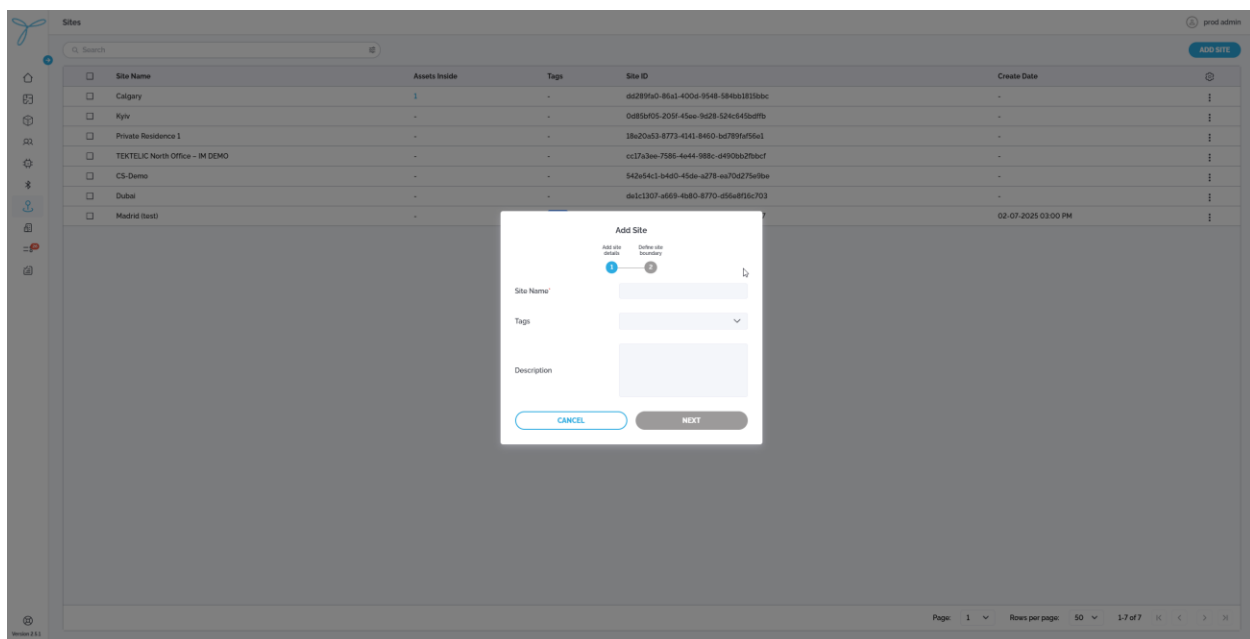
Page 1 Rows per page: 50 1 of 7

6.5.1 Add New Site

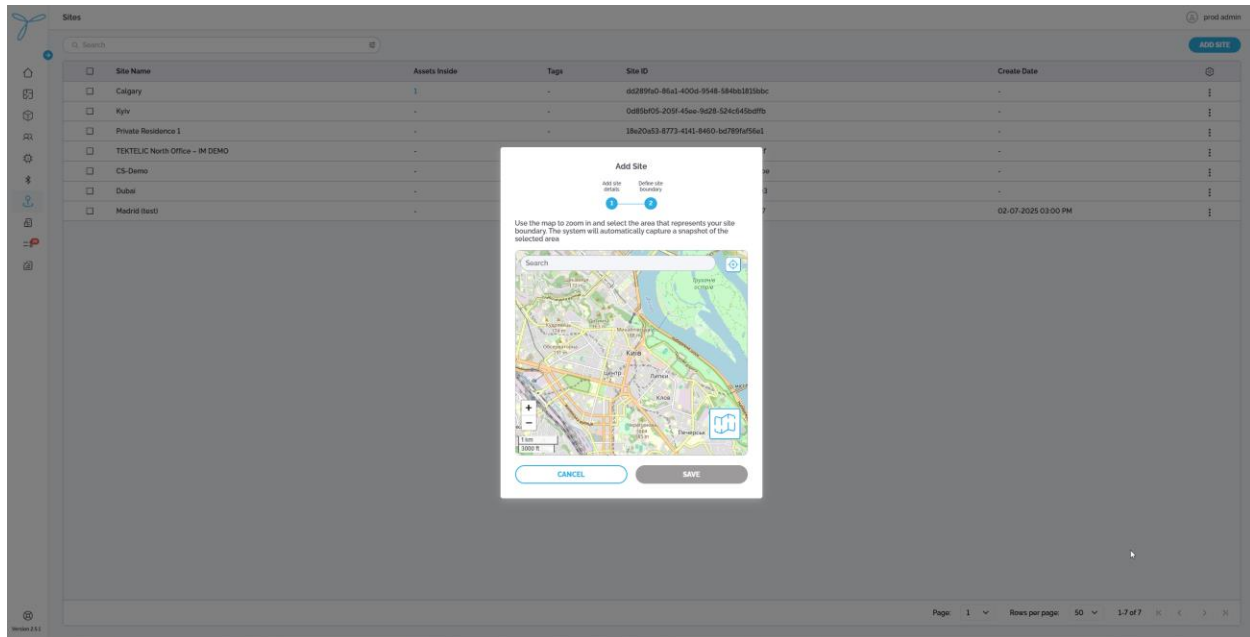
Conditions: You need admin permissions or explicit rights to add sites.

Steps:

1. Click the **Add Site** button to open the **Add Site** modal.
2. **Step 1: Enter Site Details:**
 - **Site Name:** Input the site name (e.g., "Madrid (test)").
 - **Tags:** Select from dropdown or add new tags (e.g., BLE).
 - **Description:** Input an optional description.
 - Click **Next** to proceed or **Cancel** to discard.



3. **Step 2: Define Site Boundary:**
 - A map interface appears with a search bar to locate the site.
 - **Options:**
 - Enter an address in the search bar, and the map will load the corresponding coordinates.
 - Manually drag the map to adjust the view and select the area.
 - The system automatically captures a screenshot of the selected area as the site boundary.
 - Click **Save** to confirm; **Cancel** to discard.
- **Expectations:** The new site is added to the system with the specified name, tags, description, and boundary map.

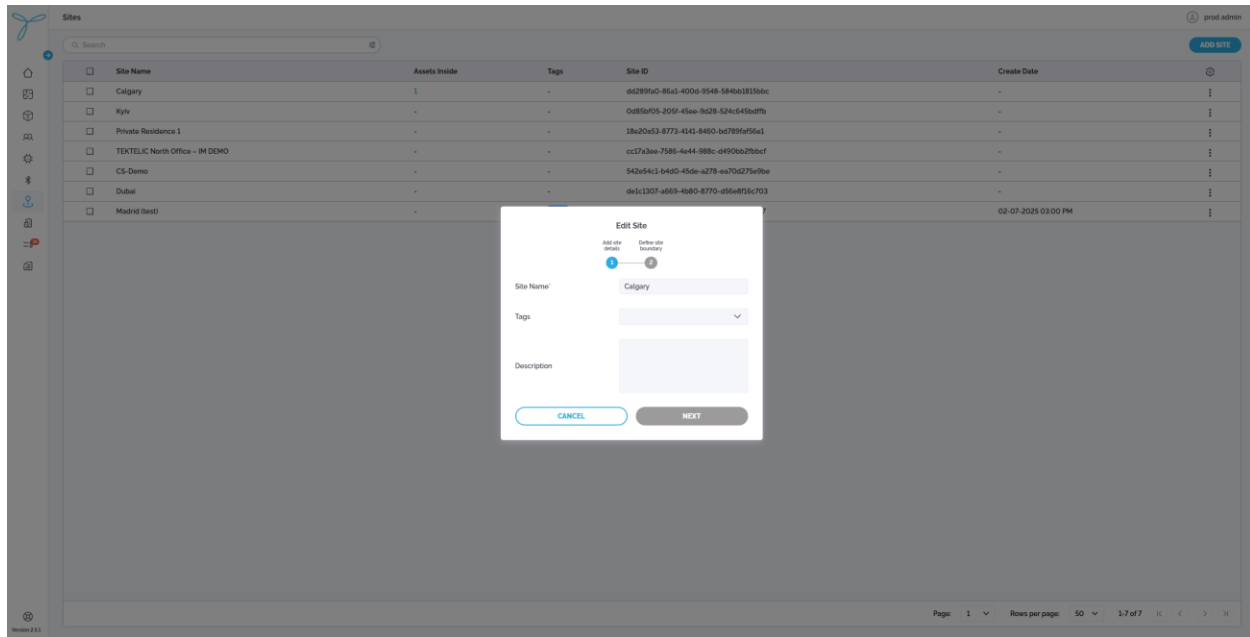


6.5.2 Edit Site

Conditions: You need admin permissions or explicit rights to edit sites. The site must already exist.

Steps:

- Click the **More Actions (...)** button next to a site (e.g., "Madrid (test)") in the table.
- Select **Edit** from the context menu to open the **Edit Site** modal.
- Update the following fields:
 - **Site Name:** Modify the name.
 - **Tags:** Add or remove tags.
 - **Description:** Modify the description.
- **Modify Boundary:** Use the same map component as in Add Site to adjust the site boundary.
 - **Steps:** Enter a new address or manually drag the map, then save the updated boundary.
- Click **Save** to confirm changes; **Cancel** to discard.
- **Expectations:** The updated site reflects changes in the list, including the boundary.



6.5.3 Delete Site

Conditions: You need admin permissions or explicit rights to delete sites. The site must not be linked to active buildings, assets, or geofences.

Consequences: Deleting a site removes it from the system, unpairs it from associated data, and affects related records. If the site is associated with buildings, assets, or geofences, deletion is blocked until all dependencies are removed.

Steps:

- Click the **More Actions (...)** button next to a site (e.g., "Madrid (test)") in the table.
- Select **Delete** from the context menu to open the **Confirm Delete Site** modal.
- **If Dependencies Exist:**
 - A warning modal appears: "Delete Site is disabled in the system because it is associated with other entities in the system. To proceed with deletion, you must first remove all associated entities. Please review the dependencies and try again."
 - Click **OK** to close the modal and address dependencies.
- **If No Dependencies:**
 - Review the warning about permanent deletion and its impacts (unpairing, data loss).
 - Click **Delete** to confirm; **Cancel** to abort.
- **Expectations:**
 - If dependencies exist, the site remains until all associated buildings, assets, or geofences are deleted.
 - If no dependencies, the site is permanently removed and cannot be restored.

The screenshot shows a web application interface for managing sites. At the top, there is a search bar and an 'ADD SITE' button. Below is a table with columns: Site Name, Assets Inside, Tags, Site ID, and Create Date. The table contains several rows of site data. A modal dialog titled 'Delete Site' is open in the center, displaying an error message: 'The selected site cannot be deleted because it is associated with other entities in the system. To proceed with deletion, you must first remove all associated entities. Please review the dependencies and try again.' with an 'OK' button.

Site Name	Assets Inside	Tags	Site ID	Create Date
Calgary	1	-	d4289f9d-86a1-4006-9548-5848a38135bc	-
Kyiv	-	-	0d85af05-209f-456e-9d28-524c445a0f8b	-
Private Residence 1	-	-	18e20a53-6773-4141-8460-bc7895af56e1	-
TEKTELIC North Office - IM DEMO	-	-	cc17a3ee-7586-4e44-988c-d493cb62fbcf	-
CS-Demo	-	-	542e54c1-b480-45de-a278-ea70d273e9ba	-
Dubai	-	-	d4e1c1307-a669-4860-8770-d56e8f16c703	-
Madrid (test)	-	BLU	9961379-ea71-4400-ab09-7e42a045d8c7	02-07-2025 03:00 PM

6.6 Buildings

Overview

Purpose: The Buildings page allows users to manage and monitor all buildings within the system, including their names, addresses, sites, assets inside, floor plans, tags, Building IDs, and creation dates. Buildings represent specific structures within sites where beacons and assets are located.

Access: Access this page via the main navigation menu under the **Buildings** section.

Intended Users: Admins and users with permissions to view or manage buildings.

Key Features and Functions

List View (Main Table)

- The table displays all buildings with the following default columns: Building Name, Building Address, Site, Assets Inside, Floor Plans Inside, Tags, Building ID, Create Date.
- **Column Configuration (Table Preferences):**
 - Click the gear icon to open the **Table Preferences** modal.
 - Select which columns to show or hide (e.g., Building Name, Building Address, Site, Assets Inside, Floor Plans Inside, Tags, Building ID, Create Date).
 - Columns can be rearranged by dragging, hidden by deselecting, but resizing is not supported.
 - Click **Save** to apply changes; **Cancel** to discard.
- **Search and Filter:**
 - Use the **Search** bar to find buildings by Building Name.

- Use the **Tags** filter dropdown to filter buildings by tags.
 - **Steps:** Click the filter icon, select tags, click **Apply** to filter, or **Clear** to reset.
 - **Expectations:** Displays only buildings matching the selected tags.
- Use the **Site** filter dropdown to filter buildings by site (e.g., CS-Demo, Kyiv (test)).
 - **Steps:** Click the filter icon, select a site, click **Apply** to filter, or **Clear** to reset.
 - **Expectations:** Displays only buildings associated with the selected site.
- **Actions (Based on Permissions):**
 - Click the **More Actions (...)** button next to a building in the table to open a context menu with **Edit** and **Delete** options (to be detailed if needed).
 - Admins: Add, edit, or delete buildings.
 - Standard Users: View buildings; edit or delete if granted explicit permissions.
- **Pagination:** Adjust rows per page (e.g., 50) and navigate pages (e.g., 1 of 8) using the pagination controls at the bottom.

Building Name	Building Address	Site	Assets Inside	Floor Plans Inside	Tags	Building ID	Create Date
Kyrylivska 15	-	Kyiv	-	5	-	8412a740-f0b3-43aa-8a05-43a643e4ed81	-
Main Building	-	Calgary	-	2	-	ae44ea66-1182-46cc-ab04-984636ee0801	-
Building 1	-	Private Residence 1	-	1	-	3c3384ba-7a37-4010-b776-0a0b773888a5	-
TEXTELIC Office	-	TEXTELIC North Office - IM DEMO	1	-	-	08f061b4-4a20-402e-b22e-3ee420eb31a1a	-
HBD	-	CS-Demo	-	1	-	6f350477-17e6-4990-b287-52aedf67dfbc	-
Car Parking	-	Dubai	-	1	-	7c0b358e-1a35-4e43-bd57-8b074400b6d3	-
Japon	C. del Berroto, 10 Centro, 28013 Madrid	Madrid test0	-	1	no actions	6a38e817-3090-465d-b8bc-44fb473e6f33	02-07-2025 03:30 PM
rs_text	-	Kyiv	1	1	-	Hcbeb00-4a71-48fb-8c3e-99339b9f6e4e	03-17-2025 11:25 AM

Buildings print admin

Search

ADD BUILDING

Building Name	Building Address	Site	Assets Inside	Floor Plans Inside	Tags	Building ID	Create Date
<input type="checkbox"/> Myrlyivka 15	-	Kyiv	-	5	-	8412a740-f5b3-43aa-8a05-434643a4edf5	-
<input type="checkbox"/> Main Building	-	Calgary	-	2	-	ae64ae66-1182-46cc-ab94-984b39ae0861	-
<input type="checkbox"/> Building 1	-	Private Residence 1	-	1	-	3c8384ba-7e37-4010-b776-0d65773888a5	-
<input type="checkbox"/> TEKTELIC Office	-	TEKTELIC North Office - IM DEMO	1	-	-	08b061b4-4a20-402e-b226-3aa420eb3a1a	-
<input type="checkbox"/> HBD	-	CS-Demo	-	1	-	6f350477-17a6-4990-b267-52ed757d7fbc	-
<input type="checkbox"/> Car Parking	-	Dubai	-	1	-	7ceb358a-3a35-4a63-bd57-8b971400b6d3	-
<input type="checkbox"/> Japon	C. del Bonetillo, 10, Centro, 28013 Madrid.	Madrid (test)	-	1		6a38a817-3090-465d-bfbc-44f8473a6f33	02-07-2025 03:10 PM
<input type="checkbox"/> no_test	-	Kyiv	1	1	-	Hcbeb000-4a71-48fb-8c9a-9939b7f95a4e	03-17-2025 11:25 AM

Page 1 Rows per page: 50 1 of 8

Buildings print admin

Search

ADD BUILDING

Building Name	Building Address	Site	Assets Inside	Floor Plans Inside	Tags	Building ID	Create Date
<input type="checkbox"/> Myrlyivka 15	-	Kyiv	-	5	-	8412a740-f5b3-43aa-8a05-434643a4edf5	-
<input type="checkbox"/> Main Building	-	Calgary	-	2	-	ae64ae66-1182-46cc-ab94-984b39ae0861	-
<input type="checkbox"/> Building 1	-	Private Residence 1	-	1	-	3c8384ba-7e37-4010-b776-0d65773888a5	-
<input type="checkbox"/> TEKTELIC Office	-	TEKTELIC North Office - IM DEMO	1	-	-	08b061b4-4a20-402e-b226-3aa420eb3a1a	-
<input type="checkbox"/> HBD	-	CS-Demo	-	1	-	6f350477-17a6-4990-b267-52ed757d7fbc	-
<input type="checkbox"/> Car Parking	-	Dubai	-	1	-	7ceb358a-3a35-4a63-bd57-8b971400b6d3	-
<input type="checkbox"/> Japon	C. del Bonetillo, 10, Centro, 28013 Madrid.	Madrid (test)	-	1		6a38a817-3090-465d-bfbc-44f8473a6f33	02-07-2025 03:10 PM
<input type="checkbox"/> no_test	-	Kyiv	1	1	-	Hcbeb000-4a71-48fb-8c9a-9939b7f95a4e	03-17-2025 11:25 AM

Table preferences

- Building Name
- Building Address
- Site
- Assets Inside
- Floor Plans Inside
- Tags
- Building ID
- Create Date

CANCEL SAVE

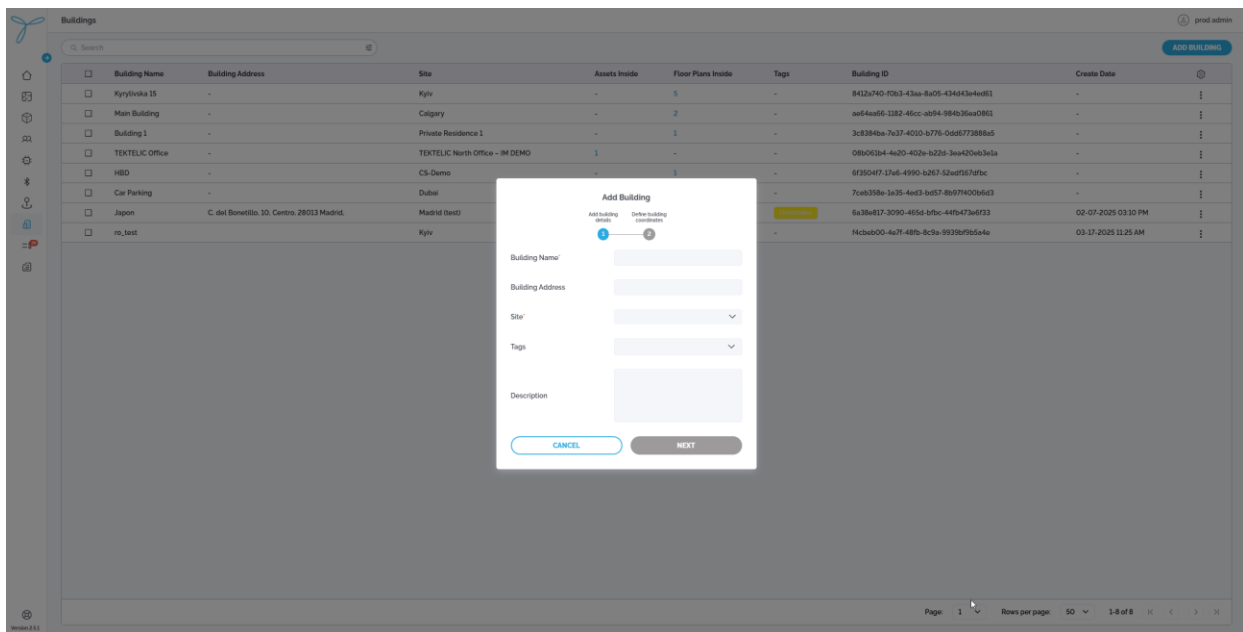
Page 1 Rows per page: 50 1 of 8

6.6.1 Add New Building

Conditions: You need admin permissions or explicit rights to add buildings.

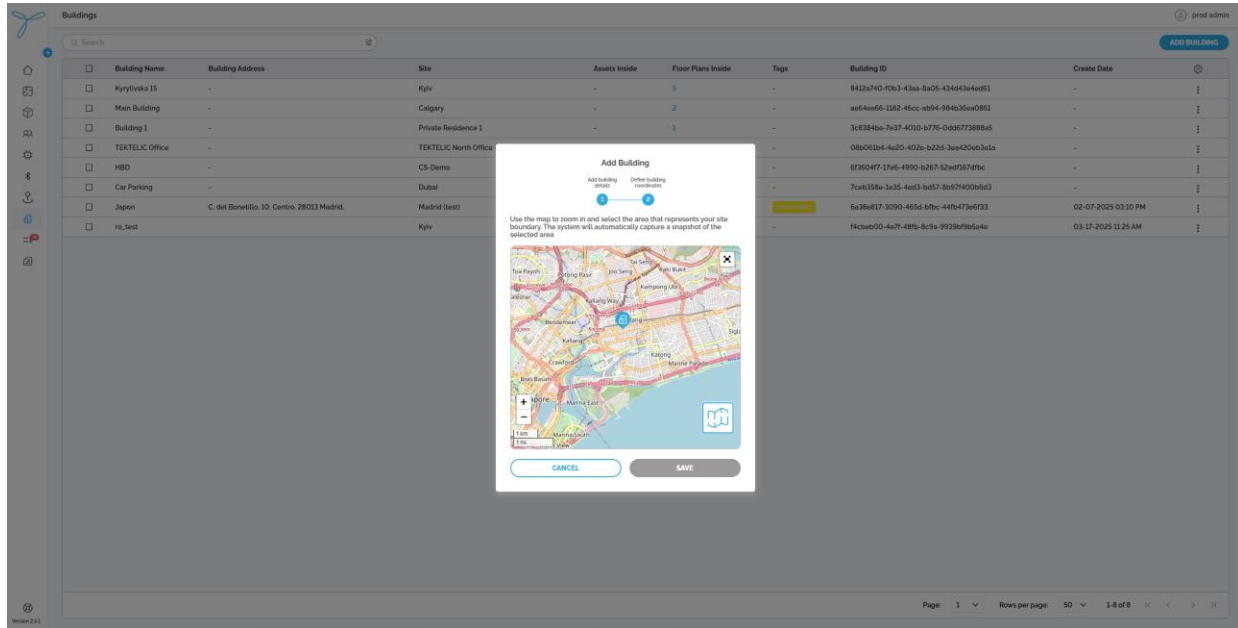
Steps:

1. Click the **Add Building** button to open the **Add Building** modal.
2. **Step 1: Enter Building Details:**
 - **Building Name:** Input the building name (e.g., "ro_test").
 - **Building Address:** Input the address (e.g., "C. del Bonetillo, 10, Centro, 28013 Madrid").
 - **Site:** Select from dropdown or add a new site (e.g., "Kyiv (test)").
 - **Tags:** Select from dropdown or add new tags.
 - **Description:** Input an optional description.
 - Click **Next** to proceed or **Cancel** to discard.



3. **Step 2: Define Building Boundary:**
 - A map interface appears with a search bar to locate the building.
 - **Options:**
 - Enter an address in the search bar, and the map will load the corresponding coordinates.
 - Manually drag the map to adjust the view and select the area.
 - The system automatically captures a screenshot of the selected area as the building boundary.
 - Click **Save** to confirm; **Cancel** to discard.

- **Expectations:** The new building is added to the system with the specified name, address, site, tags, description, and boundary map.



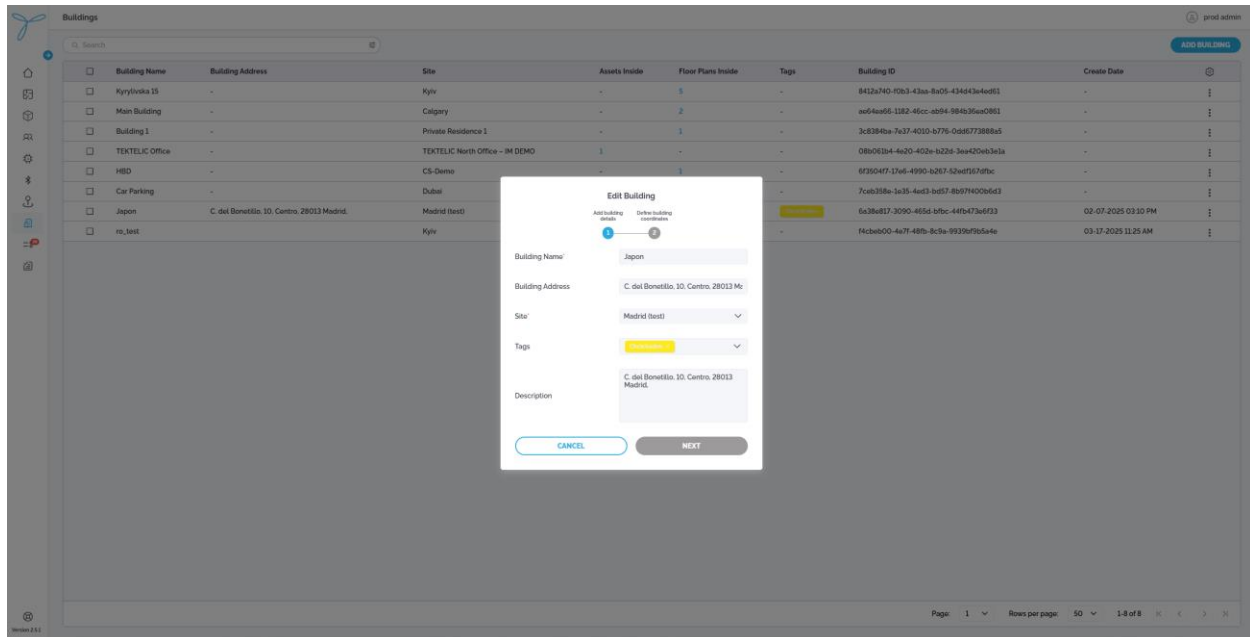
6.6.2 Edit Building

Conditions: You need admin permissions or explicit rights to edit buildings. The building must already exist.

Steps:

- **From List View:** Click the **More Actions (...)** button next to a building (e.g., "ro_test") in the table, then select **Edit** from the context menu to open the **Edit Building** modal.
- **From Details Screen:** Click the pencil icon in the **Building Info** section of the Building Details Screen to open the **Edit Building** modal.
- Update the following fields:
 - **Building Name:** Modify the name.
 - **Building Address:** Modify the address.
 - **Site:** Change the associated site.
 - **Tags:** Add or remove tags.
 - **Description:** Modify the description.
- **Modify Boundary:** Use the same map component as in Add Building to adjust the building boundary.
 - **Steps:** Enter a new address or manually drag the map, then save the updated boundary.

- Click **Save** to confirm changes; **Cancel** to discard.
- **Expectations:** The updated building reflects changes in the list and the Building Details Screen, including the boundary.



6.6.3 Delete Building

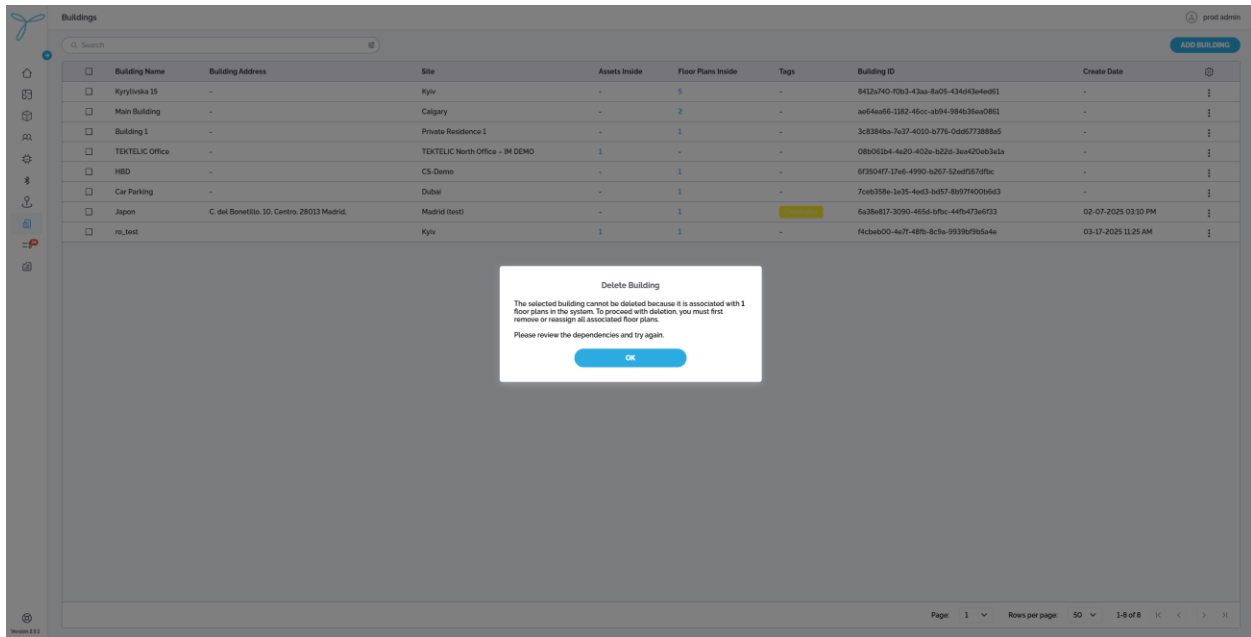
Conditions: You need admin permissions or explicit rights to delete buildings. The building must not be linked to active floor plans, assets, or beacons.

Consequences: Deleting a building removes it from the system, unpairs it from associated data, and affects related records. If the building is associated with floor plans, assets, or beacons, deletion is blocked until all dependencies are removed.

Steps:

- Click the **More Actions (...)** button next to a building (e.g., "ro_test") in the table.
- Select **Delete** from the context menu to open the **Confirm Delete Building** modal.
- **If Dependencies Exist:**
 - A warning modal appears: "Delete Building is disabled in the system because it is associated with other entities in the system. To proceed with deletion, you must first remove all associated entities. Please review the dependencies and try again."
 - Click **OK** to close the modal and address dependencies.
- **If No Dependencies:**
 - Review the warning about permanent deletion and its impacts (unpairing, data loss).
 - Click **Delete** to confirm; **Cancel** to abort.
- **Expectations:**

- If dependencies exist, the building remains until all associated floor plans, assets, or beacons are deleted.
- If no dependencies, the building is permanently removed and cannot be restored.



6.6.4 Building details screen

Overview

Purpose: The Building Details Screen provides a detailed view of a specific building, including its core information (Building Info) and a map interface for visualizing its location and associated assets or beacons.

Access: Access this screen by clicking on a building (e.g., "Japon") in the Buildings list.

Intended Users: Admins and users with permissions to view or manage building details.

Key Features and Functions

Tabs and Sections

- **Details Tab:**
 - Displays comprehensive information about the selected building, organized into sections.

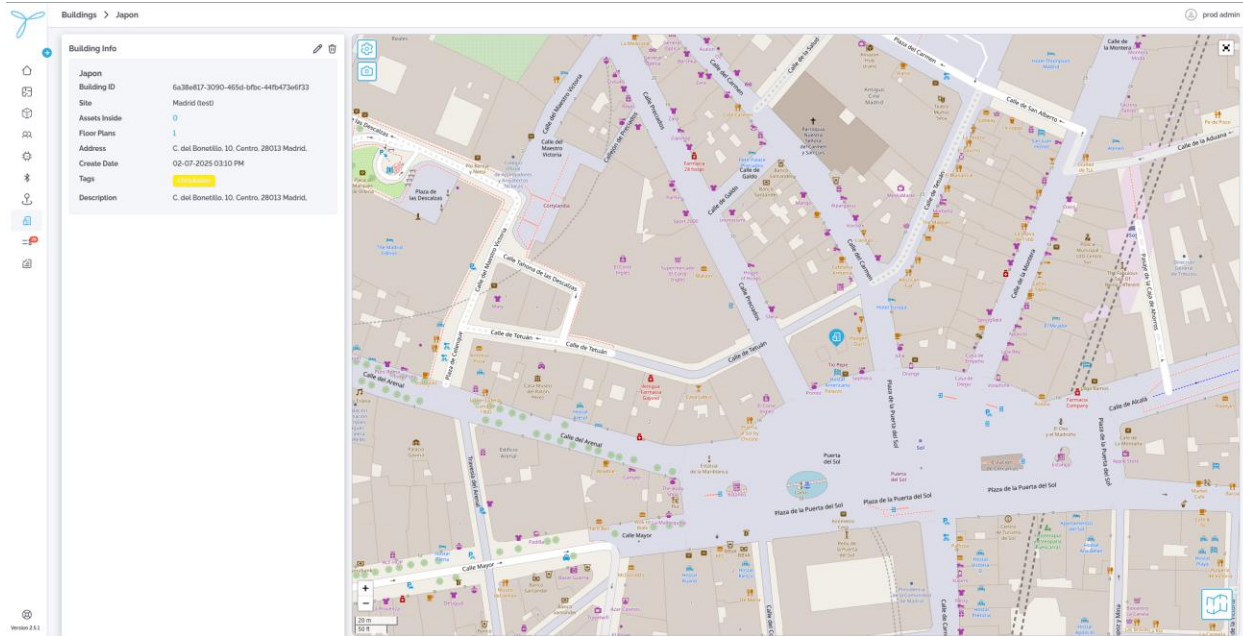
Building Info

- **Parameters:**
 - **Building Name:** Japon

- **Building ID:** 6a38e817-3094-45bd-b4f4-7d7c20456f33
- **Site:** Madrid (test)
- **Assets Inside:** 0
- **Floor Plans:** 1
- **Address:** C. del Bonetillo, 10, Centro, 28013 Madrid
- **Create Date:** 02-07-2025 03:10 PM
- **Tags:** CheckBox
- **Description:** C. del Bonetillo, 10, Centro, 28013 Madrid

Map Interface

- **Visual Representation:** Displays the building's location on a map with markers indicating assets, beacons, or other relevant entities (e.g., purple and blue markers in the Madrid area around Plaza de la Puerta del Sol).
 - The map includes zoom controls (e.g., 20m, 50m scale) and a search bar for navigation.
 - A red outline may represent the building boundary or geofence area.
- **Interactivity:**
 - **Zoom:** Use the + and - controls to zoom in/out on the map.
 - **Search:** Enter an address or location (e.g., "C. del Bonetillo, 10, Madrid") to center the map.
 - **Marker Details:** Click on markers to view associated asset or beacon information (if available).
- **Buttons and Actions:**
 - **Edit:** Click the pencil icon in the Building Info section to open the Edit Building modal (same process as in the Buildings list).
 - **Delete:** Click the trash icon in the Building Info section to initiate deletion (subject to dependency checks, as in the Buildings list).
 - **Visibility Preferences:** Toggle visibility options (e.g., show only geofence or all markers), though specific options may depend on the system configuration.
 - **Export (Screenshot):** Capture the current map view as a screenshot (similar to Beacons map functionality).



6.7 Events

Overview

Purpose: The Events page allows users to monitor and analyze events related to assets, such as entering or exiting geofences, across sites, buildings, and floor plans. It provides a detailed log of events with timestamps, statuses, and associated entities.

Access: Access this page via the main navigation menu under the **Events** section.

Intended Users: Admins and users with permissions to view or manage events.

Key Features and Functions

List View (Main Table)

- The table displays all events with the following default columns: Timestamp, Event Status, Event Type, Asset Name, Asset ID, Site, Building, Floor Plan, Event ID, Asset Type.
- **Column Configuration (Table Preferences):**
 - Click the gear icon to open the **Table Preferences** modal.
 - Select which columns to show or hide (e.g., Timestamp, Event Status, Event Type, Asset Name, Asset ID, Site, Building, Floor Plan, Event ID, Asset Type).
 - Columns can be rearranged by dragging, hidden by deselecting, but resizing is not supported.
 - Click **Save** to apply changes; **Cancel** to discard.
- **Search and Filter:**
 - Use the **Search** bar to find events by Asset Name.

- Use the **Timestamp Filter**: Select a date range (e.g., 03/19/2025 12:31 PM - 03/19/2025 12:29 PM) to filter events within that period.
 - **Steps**: Click the calendar icon, select the start and end dates/times, and apply the filter.
 - **Expectations**: Displays only events within the selected time range.
- Use the **Site** filter dropdown to filter events by site (e.g., Madrid (test)).
 - **Steps**: Click the filter icon, select a site, click **Apply** to filter, or **Clear** to reset.
 - **Expectations**: Displays only events associated with the selected site.
- Use the **Building** filter dropdown to filter events by building (e.g., Japon).
 - **Steps**: Click the filter icon, select a building, click **Apply** to filter, or **Clear** to reset.
 - **Expectations**: Displays only events associated with the selected building.
- Use the **Floor Plan** filter dropdown to filter events by floor plan (e.g., Flat room).
 - **Steps**: Click the filter icon, select a floor plan, click **Apply** to filter, or **Clear** to reset.
 - **Expectations**: Displays only events associated with the selected floor plan.
- Use the **Event Status** filter dropdown to filter events by status (e.g., checked/unchecked).
 - **Steps**: Click the filter icon, select a status, click **Apply** to filter, or **Clear** to reset.
 - **Expectations**: Displays only events matching the selected status.
- Use the **Event Type** filter dropdown to filter events by type (e.g., Asset enters geofence, Asset exits geofence).
 - **Steps**: Click the filter icon, select an event type, click **Apply** to filter, or **Clear** to reset.
 - **Expectations**: Displays only events matching the selected type.

Timestamp	Event Status	Event Type	Asset Name	Site	Building	Floor Plan	Asset Type
03-13-2025 12:35 PM	✓	Asset enters geofence	Seal API Kiyv	-	-	-	GPS
03-13-2025 12:16 PM	✓	Asset enters geofence	Andrii Pelican's	Madrid (test)	Japon	Flat room	Pelican Kiyv
03-13-2025 12:14 PM	✓	Asset exits geofence	Andrii Pelican's	Madrid (test)	Japon	Flat room	Pelican Kiyv
03-13-2025 12:13 PM	✓	Asset exits geofence	Andrii Pelican's	Madrid (test)	Japon	Flat room	Pelican Kiyv
03-13-2025 12:03 PM	✓	Asset exits geofence	Seal API Kiyv	-	-	-	GPS
03-13-2025 12:00 PM	○	Asset enters geofence	Andrii Pelican's	Madrid (test)	Japon	Flat room	Pelican Kiyv
03-13-2025 11:40 AM	○	Asset enters geofence	Seal API Kiyv	-	-	-	GPS

Timestamp	Event Type	Asset Name	Site	Building	Floor Plan	Asset Type
03-13-2025 12:35 PM	Asset enters geofence	Seal API Kiyv	-	-	-	GPS
03-13-2025 12:16 PM	Asset enters geofence	Andril Pelican's	Madrid (test)	Japon	Flat room	Pelican Kiyv
03-13-2025 12:14 PM	Asset exits geofence	Andril Pelican's	Madrid (test)	Japon	Flat room	Pelican Kiyv
03-13-2025 12:13 PM	Asset enters geofence	Andril Pelican's	Madrid (test)	Japon	Flat room	Pelican Kiyv
03-13-2025 12:03 PM	Asset exits geofence	Seal API Kiyv	-	-	-	GPS
03-13-2025 12:00 PM	Asset enters geofence	Andril Pelican's	Madrid (test)	Japon	Flat room	Pelican Kiyv
03-13-2025 11:40 AM	Asset enters geofence	Seal API Kiyv	-	-	-	GPS

Timestamp	Event Status	Event Type	Asset Name	Asset ID	Site	Building	Floor Plan	Event ID	Asset Type
03-13-2025 12:35 PM	<input checked="" type="checkbox"/>	Asset enters geofence	Seal API Kiyv	1837581a-4f68-4bea-acc7-9bb05282cc82	-	-	-	578e566f-d70c-4426-b77f-fd8c9a167c9f	GPS
03-13-2025 12:16 PM	<input checked="" type="checkbox"/>	Asset enters geofence	Andril Pelican's	61f0ba84-aa73-4287-aa14-4a02546c0f1	Madrid (test)	Japon	Flat room	107de536-c94f-4710-86b4-138f5037560a	Pelican Kiyv
03-13-2025 12:14 PM	<input checked="" type="checkbox"/>	Asset exits geofence	Andril Pelican's	61f0ba84-aa73-4287-aa14-4a02546c0f1	Madrid (test)	Japon	Flat room	b148c812-3069-4ab3-9a70-7abb883b0676	Pelican Kiyv
03-13-2025 12:13 PM	<input checked="" type="checkbox"/>	Asset enters geofence	Andril Pelican's	61f0ba84-aa73-4287-aa14-4a02546c0f1	Madrid (test)	Japon	Flat room	2a73fbcf-f571-42be-82bb-69db13a7105a	Pelican Kiyv
03-13-2025 12:03 PM	<input checked="" type="checkbox"/>	Asset exits geofence	Seal API Kiyv	1837581a-4f68-4bea-acc7-9bb05282cc82	-	-	-	b7079651-3a3e-4465-b5cb-cba7ad7a68be	GPS
03-13-2025 12:00 PM	<input checked="" type="checkbox"/>	Asset enters geofence	Andril Pelican's	61f0ba84-aa73-4287-aa14-4a02546c0f1	Madrid (test)	Japon	Flat room	bbd75aed-2720-405e-8748-d10f931c67a70	Pelican Kiyv
03-13-2025 11:40 AM	<input checked="" type="checkbox"/>	Asset enters geofence	Seal API Kiyv	1837581a-4f68-4bea-acc7-9bb05282cc82	-	-	-	2669cf9-a4db-40c4-9743-831914a159d	GPS

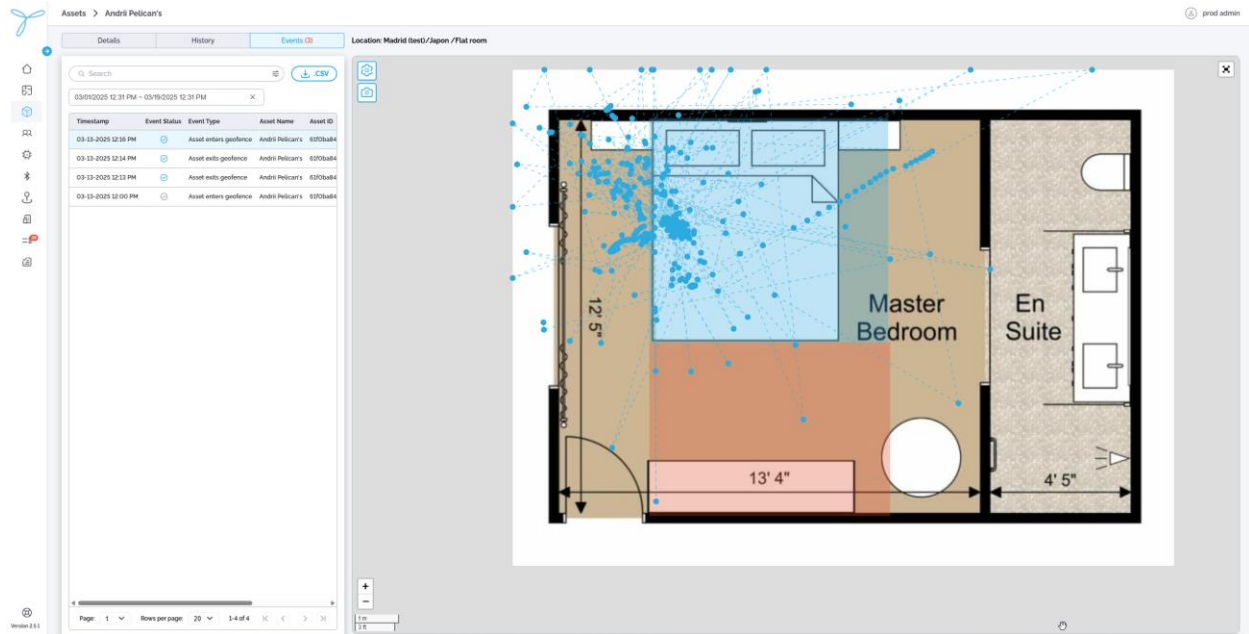
- **Actions:**
 - Click on an event row (e.g., "Asset enters geofence" for "Andril Pelican's" at 03-13-2025 12:16 PM) to open the **Event Details Screen**.
- **Pagination:** Adjust rows per page (e.g., 20) and navigate pages (e.g., 1 of 7) using the pagination controls at the bottom.

Event Details Screen

- **Access:** Click on an event row in the Events list (e.g., "Asset enters geofence" for "Andril Pelican's" at 03-13-2025 12:16 PM) to open the Event Details Screen.
- **Tabs and Sections:**

- **Details Tab:** Displays detailed information about the asset associated with the event.
- **History Tab:** Shows the history of the asset (not detailed in this context).
- **Events Tab:** Displays a list of events for the selected asset (same as the main Events table).
 - **Columns:** Timestamp, Event Status, Event Type, Asset Name, Asset ID.
 - **Filters:** Same as the main Events page, including Timestamp (e.g., 03/19/2025 12:31 PM - 03/19/2025 12:31 PM).
 - **Export:** Download the events list as a CSV file using the download button.
- **Map Interface:**
 - **Location Path:** Displays the location path of the event (e.g., "Madrid (test) / Japon / Flat room").
 - **Floor Plan View:** Shows the floor plan (e.g., "Flat room" in building "Japon" at site "Madrid (test)") with asset movement data.
 - Blue dots represent asset positions over time, with dashed lines indicating movement directions.
 - The floor plan includes labeled rooms (e.g., Master Bedroom, En Suite) with dimensions (e.g., 12'3" x 4'5").
 - **Visibility Preferences:**
 - Click the visibility preferences button to open the **Visibility Preferences** modal.
 - Options:
 - **Movement Directions:** Toggle to show/hide dashed lines indicating the asset's movement path.
 - **Tracks:** Toggle to show/hide the blue dots representing the asset's position history.
 - **Geofences:** Toggle to show/hide geofence boundaries on the floor plan.
 - Click **Apply** to confirm changes; **Cancel** to discard.

- **Interactivity:**
 - Zoom in/out using the + and - controls.
 - Export the current view as a screenshot using the camera icon.
- **Expectations:** The map updates based on the selected visibility preferences, showing or hiding movement directions, tracks, and geofences as configured.



6.8 Event Rules

Overview

Purpose: The Event Rules page allows users to create, manage, and monitor rules that trigger events based on specific conditions, such as assets entering or exiting geofences. Rules can be associated with sites, tags, and webhooks for notifications.

Access: Access this page via the main navigation menu under the **Event Rules** section.

Intended Users: Admins and users with permissions to view or manage event rules.

Key Features and Functions

List View (Main Table)

- The table displays all event rules with the following default columns: State, Event Rule Name, Event Trigger, Site, Tags, Last Triggered, Triggered, Event Rule ID, Create Date, Description.
- **Column Configuration (Table Preferences):**
 - Click the gear icon to open the **Table Preferences** modal.
 - Select which columns to show or hide (e.g., State, Event Rule Name, Event Trigger, Site, Tags, Last Triggered, Triggered, Event Rule ID, Create Date, Description).
 - Columns can be rearranged by dragging, hidden by deselecting, but resizing is not supported.
 - Click **Save** to apply changes; **Cancel** to discard.
- **Search and Filter:**
 - Use the **Search** bar to find event rules by Event Rule Name.
 - Use the **Site** filter dropdown to filter event rules by site (e.g., Madrid (test), Kyiv).
 - **Steps:** Click the filter icon, select a site, click **Apply** to filter, or **Clear** to reset.
 - **Expectations:** Displays only event rules associated with the selected site.
 - Use the **Event Trigger** filter dropdown to filter event rules by trigger type (e.g., Asset enters geofence, Asset exits geofence).
 - **Steps:** Click the filter icon, select a trigger type, click **Apply** to filter, or **Clear** to reset.
 - **Expectations:** Displays only event rules matching the selected trigger type.
- **Column Details:**
 - **Last Triggered:** Displays the timestamp of the last time the rule was triggered (e.g., "03-13-2025 12:16 PM"). If the rule has not been triggered, it shows "—".
 - **Triggered:** Displays a counter of events triggered by the rule (e.g., "5"). If the rule has not been triggered, it shows "0".
- **Actions (Based on Permissions):**
 - Click the **More Actions (...)** button next to an event rule in the table to open a context menu with **Edit** and **Delete** options.

- Admins: Add, edit, or delete event rules.
- Standard Users: View event rules; edit or delete if granted explicit permissions.
- **Pagination:** Adjust rows per page (e.g., 50) and navigate pages (e.g., 1 of 8) using the pagination controls at the bottom.

Event Rules

Search

ADD EVENT RULE

State	Event Rule Name	Site	Event Trigger	Site	Tags	Last Triggered	Triggered
On	outdoor 2 exit	Kyiv	Asset exits geofence	Kyiv	-	-	0
On	outdoor 2 enter	Kyiv	Asset enters geofence	Kyiv	-	-	0
On	indoor 2 exit	Madrid (test)	Asset exits geofence	Madrid (test)	-	-	0
On	indoor 2 enter	Madrid (test)	Asset enters geofence	Madrid (test)	-	-	0
On	indoor 1 exit	Madrid (test)	Asset exits geofence	Madrid (test)	-	-	0
On	outdoor 2 exit	Kyiv	Asset exits geofence	Kyiv	-	-	0
On	outdoor 1 enter	Kyiv	Asset enters geofence	Kyiv	-	-	0
On	indoor 1 enter	Madrid (test)	Asset enters geofence	Madrid (test)	-	-	0

Page: 1 Rows per page: 50 1-8 of 8

Event Rules

Search

ADD EVENT RULE

State	Event Rule Name	Event Trigger	Site	Tags	Last Triggered	Triggered	Event Rule ID	Create Date	Description
On	outdoor 2 exit	Asset exits geofence	Kyiv	-	-	0	18b02327-2151-40f9-ac16-10186b5f69b3	03-13-2025 12:51 PM	outdoor 2 exit
On	outdoor 2 enter	Asset enters geofence	Kyiv	-	-	0	f23d696b-ac70-45a6-904d-c897b76a2377	03-13-2025 12:31 PM	outdoor 2 enter
On	indoor 2 exit	Asset exits geofence	Madrid (test)	-	-	0	5b2b975e-6256-4d5c-97b6-487d940a9869	03-13-2025 11:53 AM	indoor 2 exit
On	indoor 2 enter	Asset enters geofence	Madrid (test)	-	-	0	9fbae9f3-ac36-4377-b127-6c8918181281	03-13-2025 11:51 AM	indoor 2 enter
On	indoor 1 exit	Asset exits geofence	Madrid (test)	-	-	0	9c3d90d4-e5a8-474b-bd37-2938c8c8c62	03-13-2025 11:50 AM	indoor 1 exit
On	outdoor 2 exit	Asset exits geofence	Kyiv	-	-	0	7a735ac5-9721-4e21-8215-045c7c8abc65	03-13-2025 11:48 AM	outdoor 2 exit
On	outdoor 1 enter	Asset enters geofence	Kyiv	-	-	0	8690-a956-48ad-802b-1a71a09a75da	03-13-2025 11:47 AM	outdoor 1 enter
On	indoor 1 enter	Asset enters geofence	Madrid (test)	-	-	0	53a92-5b08-4360-b27f-623413839f7b	03-13-2025 11:34 AM	indoor 1 enter

Table preferences

- State
- Event Rule Name
- Event Trigger
- Site
- Tags
- Last Triggered
- Triggered
- Event Rule ID
- Create Date
- Description

CANCEL SAVE

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6.9 Add New Event Rule

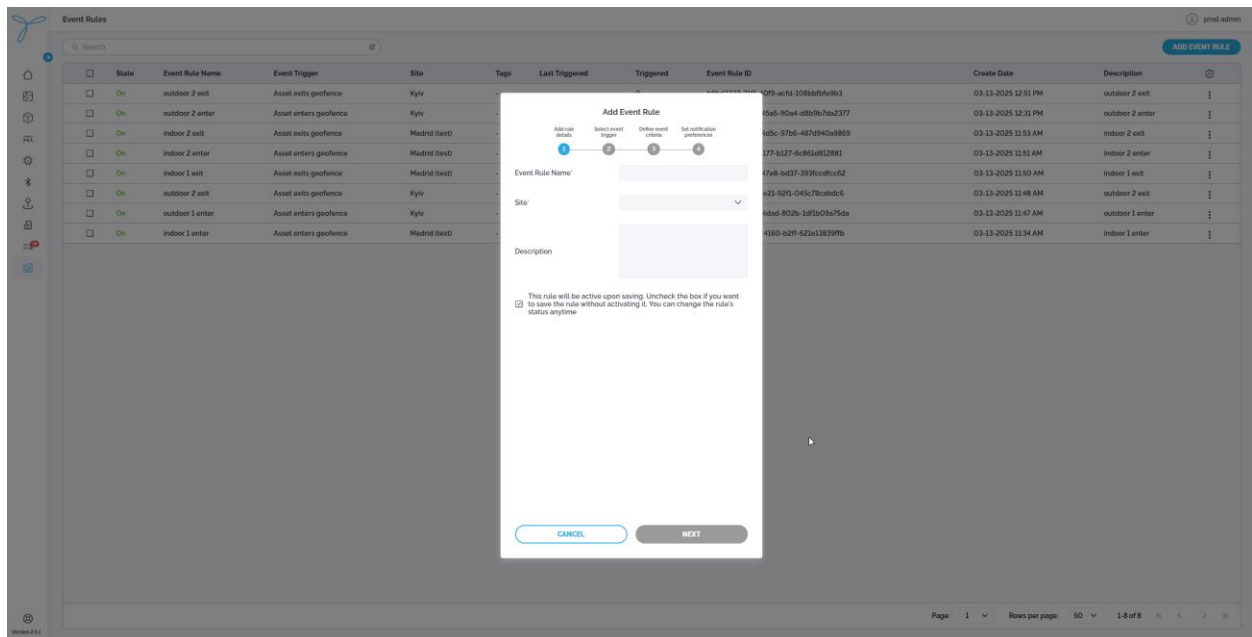
Conditions: You need admin permissions or explicit rights to add event rules.

Steps:

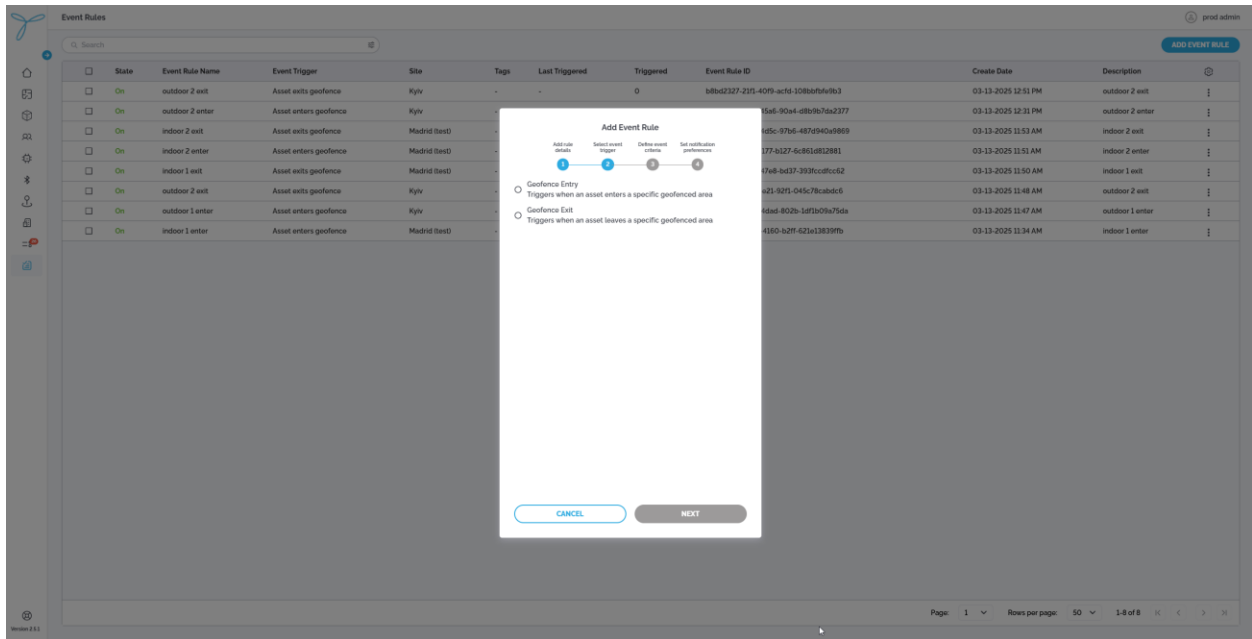
1. Click the **Add Event Rule** button to open the **Add Event Rule** modal.

Step 1: Add Rule Details

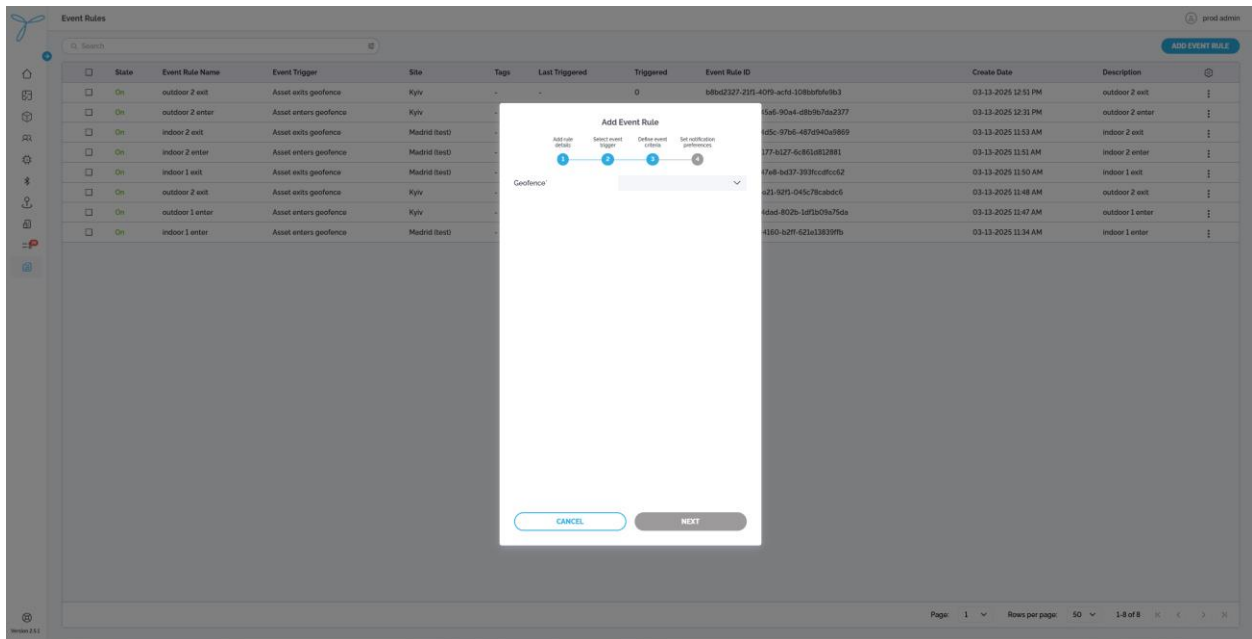
- **Event Rule Name:** Input the name of the event rule (e.g., "indoor 2 enter").
- **Site:** Select a site from the dropdown (e.g., Madrid (test)).
- **Description:** Input an optional description (e.g., "indoor 2 enter").
- **State:** Check the box to enable the rule upon saving (default: enabled). Uncheck to save the rule without activating it.
- Click **Next** to proceed or **Cancel** to discard.



- **Step 2: Select Event Trigger:**
 - Choose the event trigger type:
 - **Geofence Enter:** Triggers when an asset enters a specific geofenced area.
 - **Geofence Exit:** Triggers when an asset leaves a specific geofenced area.
 - Click **Next** to proceed or **Cancel** to discard.

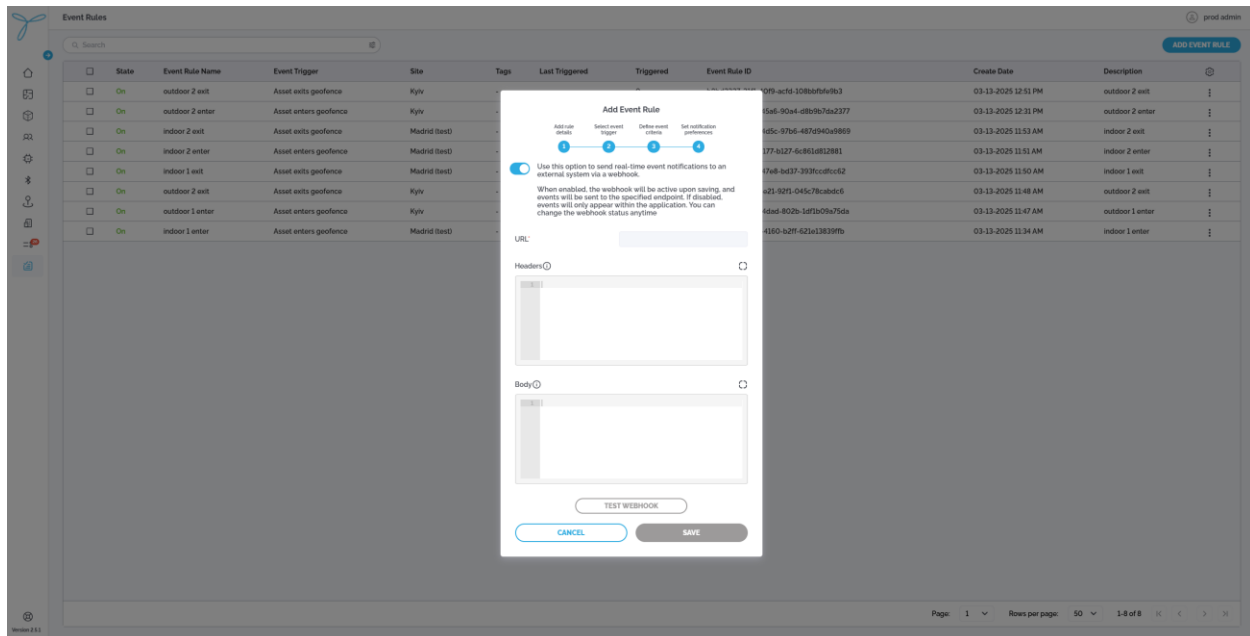


- **Step 3: Define Event Criteria:**
 - **Geofence:** Select an existing geofence from the dropdown to associate the rule with it (e.g., "Flat room").
 - Click **Next** to proceed or **Cancel** to discard.



- **Step 4: Set Notification Preferences:**
 - **Step 4: Set Notification Preferences:**
 - Use this option to send real-time event notifications to an external system via a webhook:
 - Check the box to enable webhook notifications (default: disabled).

- **URL:** Input the webhook URL to receive notifications (e.g., "<https://focus.beeceptor.com>").
- **Headers:** Add optional headers for the webhook request (e.g., {"key": "123"}).
- **Body:** Define the payload structure for the webhook. This field is fully customizable, allowing users to specify any format (e.g., {"type": "message", "content": "<https://schema.org/extensions>"}).
- Click **Test Webhook** to send a test request to the specified URL and verify the connection.
- Click **Save** to confirm the event rule; **Cancel** to discard.



- **Expectations:** The new event rule is added to the system with the specified name, site, description, trigger, geofence, and notification settings. If enabled, it will actively monitor for the specified conditions and trigger events accordingly. The **Triggered** counter starts at "0", and **Last Triggered** shows "—" until the rule is triggered.

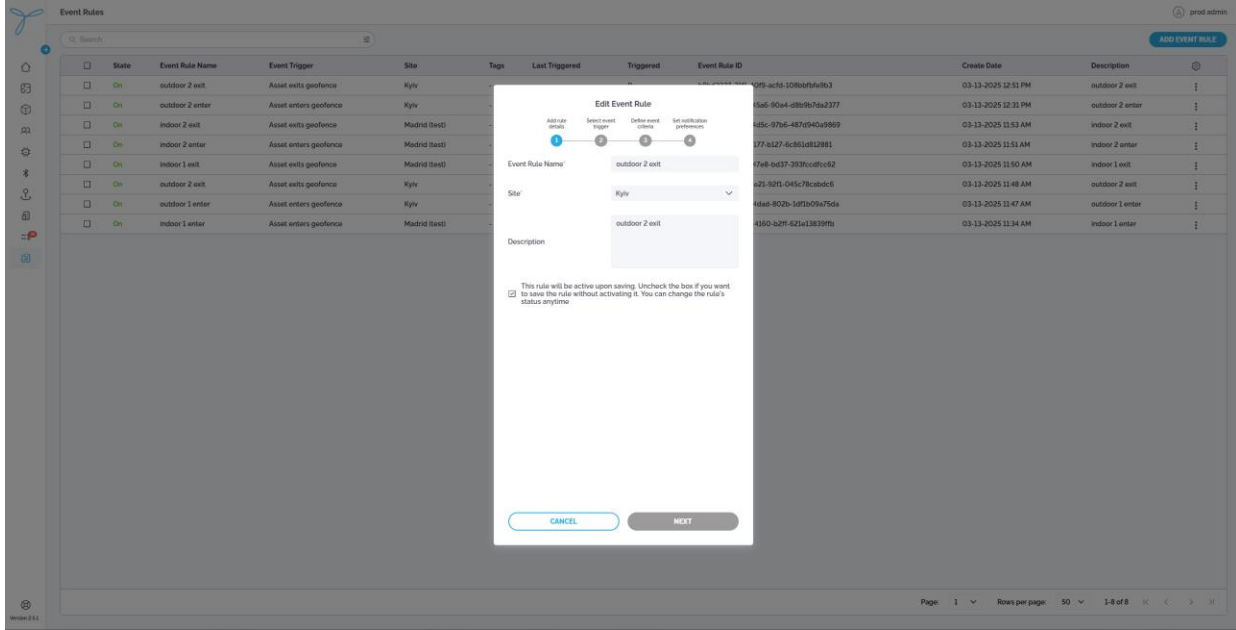
6.9.1 Edit Event Rule

Conditions: You need admin permissions or explicit rights to edit event rules. The event rule must already exist.

Steps:

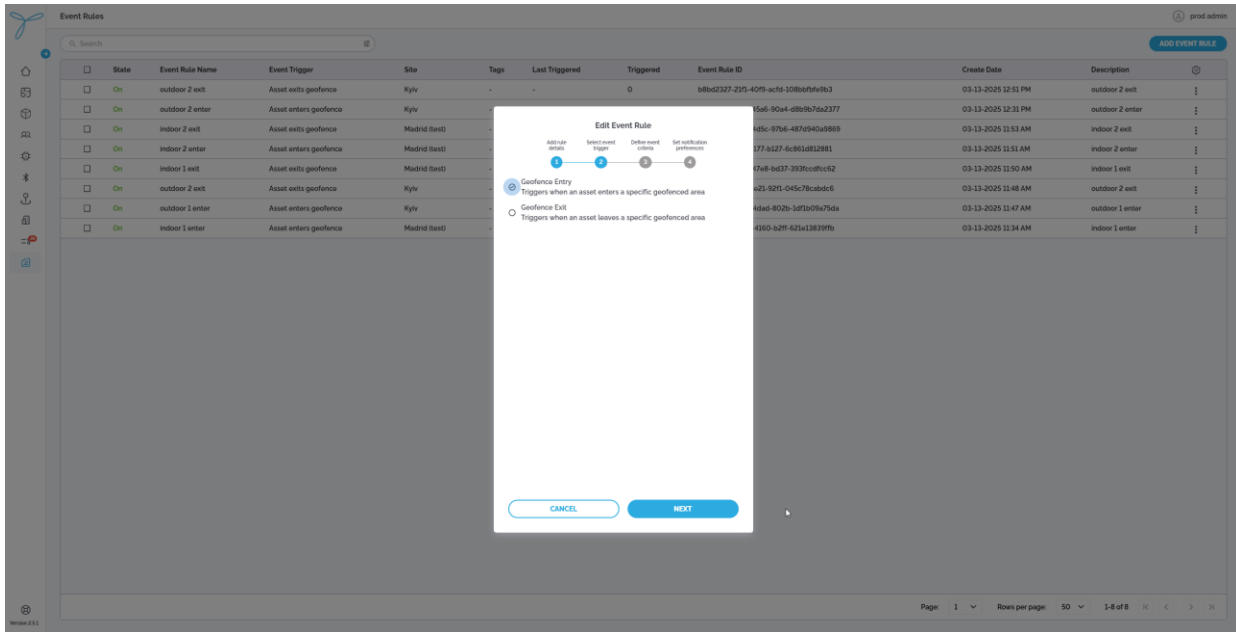
1. Click the **More Actions (...)** button next to an event rule (e.g., "outdoor 2 exit") in the table.
2. Select **Edit** from the context menu to open the **Edit Event Rule** modal.
3. **Step 1: Add Rule Details:**
 - **Event Rule Name:** Modify the name (e.g., "outdoor 2 exit").

- **Site:** Change the associated site (e.g., Kyiv).
- **Description:** Modify the description (e.g., "outdoor 2 exit").
- **State:** Enable or disable the rule (default: enabled).
- Click **Next** to proceed or **Cancel** to discard.



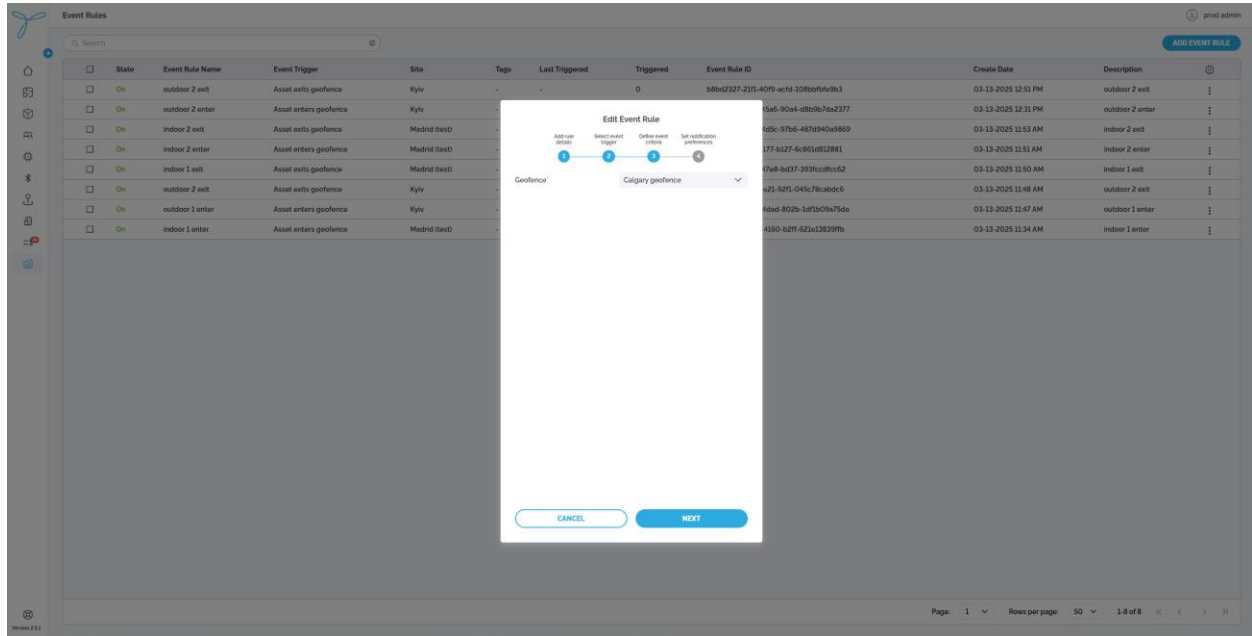
4. Step 2: Select Event Trigger:

- Choose the event trigger type:
 - **Geofence Enter:** Triggers when an asset enters a specific geofenced area.
 - **Geofence Exit:** Triggers when an asset leaves a specific geofenced area.
- Click **Next** to proceed or **Cancel** to discard.



5. Step 3: Define Event Criteria:

- **Geofence:** Select an existing geofence from the dropdown to associate the rule with it (e.g., "Calgary geofence").



- Click **Next** to proceed or **Cancel** to discard.

6. Step 4: Set Notification Preferences:

- **Use this option to send real-time event notifications to an external system via a webhook:**
 - Check the box to enable webhook notifications (default: disabled).
 - **URL:** Modify the webhook URL (e.g., "<https://focus.beeceptor.com>").
 - **Headers:** Update optional headers (e.g., {"key": "123"}).
 - **Body:** Update the payload structure. This field is fully customizable (e.g., {"type": "message", "content": "<https://schema.org/extensions>}).
- Click **Test Webhook** to send a test request to the specified URL and verify the connection.
- Click **Save** to confirm changes; **Cancel** to discard.

- Expectations:** The updated event rule reflects changes in the list, including its name, site, description, trigger, geofence, and notification settings. The **Triggered** counter and **Last Triggered** timestamp remain unchanged unless the rule is triggered again.

The screenshot displays the 'Event Rules' management interface. At the top, there is a search bar and a 'prod admin' user indicator. Below the search bar is a table with columns: State, Event Rule Name, Event Trigger, Site, Tags, Last Triggered, Triggered, Event Rule ID, Create Date, and Description. The table contains several rows of event rules, each with a checkbox in the 'State' column.

An 'Edit Event Rule' modal dialog is open in the center. It features a progress indicator with four steps: 1. Add rule details, 2. Select event trigger, 3. Define event criteria, and 4. Set notification preferences. The '4' step is currently active. The dialog includes a toggle switch for 'Use this option to send real-time event notifications to an external system via a webhook.' Below this, there is a text area for 'URL:' with the value 'https://locus.free.beacceptor.com'. There are also sections for 'Headers:' and 'Body:', each with a text area. The 'Body' text area contains the JSON payload: `{ "type": "MessageCard", "context": "https://locus.org/extension" }`. At the bottom of the modal, there are three buttons: 'TEST WEBHOOK', 'CANCEL', and 'SAVE'.

At the bottom of the interface, there is a footer with 'Page: 1', 'Rows per page: 50', and '1-8 of 8'.

6.9.2 Delete Event Rule

Conditions: You need admin permissions or explicit rights to delete event rules.

Consequences: Deleting an event rule removes it from the system and stops any associated event triggers or notifications. This action is permanent and cannot be undone.

Steps:

- Click the **More Actions (...)** button next to an event rule (e.g., "indoor 2 enter") in the table.
- Select **Delete** from the context menu to open the **Confirm Delete Event Rule** modal.
- Review the warning about permanent deletion and its impacts.
- Click **Delete** to confirm; **Cancel** to abort.
- **Expectations:** The event rule is permanently removed from the system.

The screenshot displays the 'Event Rules' management interface. At the top, there is a search bar and an 'ADD EVENT RULE' button. Below is a table with columns: State, Event Rule Name, Event Trigger, Site, Tags, Last Triggered, Triggered, Event Rule ID, Create Date, and Description. The table contains eight rows of event rules. A modal dialog titled 'Delete Event Rule' is open in the center, asking 'Are you sure you want to delete this event rule indoor 1 enter?' with 'CANCEL' and 'DELETE' buttons.

State	Event Rule Name	Event Trigger	Site	Tags	Last Triggered	Triggered	Event Rule ID	Create Date	Description
On	outdoor 2 exit	Asset exits geofence	Kyiv	-	-	0	b8bd2327-235-409f-acfd-308ba0f40b3	03-13-2025 12:51 PM	outdoor 2 exit
On	outdoor 2 enter	Asset enters geofence	Kyiv	-	-	0	f838fa66-ac70-45a6-90a4-d8b9676a2377	03-13-2025 12:31 PM	outdoor 2 enter
On	indoor 2 exit	Asset exits geofence	Madrid (test)	-	-	0	5b1b975e-625e-4d5c-9764-4d7d940a9859	03-13-2025 11:53 AM	indoor 2 exit
On	indoor 2 enter	Asset enters geofence	Madrid (test)	-	-	0	99ba0f93-ac86-4177-b127-6c861d812881	03-13-2025 11:51 AM	indoor 2 enter
On	indoor 1 exit	Asset exits geofence	Madrid (test)	-	-	0	9c3a9e04-e5a8-47e8-bd37-393fcd0f0c62	03-13-2025 11:50 AM	indoor 1 exit
On	outdoor 2 exit	Asset exits geofence	Kyiv	-	-	0	9af35ac6-9725-4a25-9071-045c78cabdc6	03-13-2025 11:48 AM	outdoor 2 exit
On	outdoor 1 enter	Asset enters geofence	Kyiv	-	-	0	53536a90-e554-4d4d-802b-baf1b09a76da	03-13-2025 11:47 AM	outdoor 1 enter
On	indoor 1 enter	Asset enters geofence	Madrid (test)	-	-	0	db252a92-5606-4360-b29f-621a138299fb	03-13-2025 11:34 AM	indoor 1 enter

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7. Network Server Configuration

Overview

Purpose: The Network Server Configuration section guides you through setting up the LoRaWAN Network Server (NS) to integrate with the Locus platform. This includes configuring a data converter to ensure compatibility between the NS and Locus, as well as setting up the integration to enable data transmission.

Access: These configurations are performed directly on the LoRaWAN Network Server's management interface, typically through its web dashboard or API, depending on the NS provider.

Intended Users: Admins or network engineers responsible for managing the Network Server and integrating it with external platforms like Locus.

7.1 Configure Data Converter on Network Server

Overview

Purpose: A data converter is required to transform incoming and outgoing data between the Network Server and Locus, ensuring that the data format is compatible with Locus' requirements. The converter includes a decoder (for uplink data) and an encoder (for downlink data).

Conditions: You need administrative access to the Network Server to configure the data converter. Ensure that your NS supports custom data converters (e.g., via JavaScript or another scripting language).

Steps:

- 1. Access the Network Server Dashboard:**
 - Log in to your LoRaWAN Network Server's management interface.
 - Navigate to the section for managing applications or integrations (e.g., "Applications" or "Data Converters").
- 2. Create a New Data Converter:**
 - Find the option to add a new data converter (e.g., "Add Data Converter" or "Create Function").
 - Name the converter (e.g., "LocusDataConverter").
 - Select the scripting language supported by your NS (e.g., JavaScript).
- 3. Implement the Decoder:**
 - In the decoder section, input the following JavaScript code to handle uplink data from devices:
 - `// Decoder for uplink data`
 - `// Input object structure:`
 - `// - bytes - int[]`
 - `// - fPort - int`

```

o // - recvTime - Date (needs type check)
o // - tektelicMetadata - Object
o
o function decodeUplink(input) {
o     if (input.recvTime instanceof Date) {
o         // Date operations can be performed if needed
o     }
o // Output object structure:
o // - data - Object
o // - errors - string[]
o // - warnings - string[]
o // - tektelicMetadata - Object
o return {
o     "data": {"bytes": input.bytes},
o     "errors": [],
o     "warnings": [],
o     "tektelicMetadata": input.tektelicMetadata
o };

```

This decoder processes the incoming data, preserves the tektelicMetadata, and returns the data in a format compatible with Locus.

4. Implement the Encoder:

- o In the encoder section, input the following JavaScript code to handle downlink data to devices:

```

// Encoder for downlink data
// Input object structure:
// - data - Object (customer-defined)

function encodeDownlink(input) {
// Output object structure:
// - fPort - int
// - bytes - int[]
// - errors - string[]
// - warnings - string[]
return {
"fPort": input.data.fPort,
"bytes": input.data.bytes,
"errors": [],
"warnings": []
};
}

```

5. Save the Data Converter:

- o Save the data converter configuration on the Network Server.
- o Verify that the converter is active and associated with your application on the NS.

Expectations: The data converter is configured on the Network Server, ensuring that uplink and downlink data are correctly formatted for Locus integration.

7.2 Configure Integration on Network Server

Overview

Purpose: The integration setup on the Network Server enables data to be sent to Locus via an HTTPv2 endpoint. This ensures that device data (e.g., location, status) is transmitted to Locus for processing and tracking.

Conditions: You need administrative access to the Network Server to configure integrations. The data converter (configured in the previous section) must be active.

Steps:

- 1. Access the Network Server Dashboard:**
 - Log in to your LoRaWAN Network Server's management interface.
 - Navigate to the section for managing integrations (e.g., "Integrations" or "Application Integrations").
- 2. Add a New Integration:**
 - Find the option to add a new integration (e.g., "Add Integration").
 - Select the integration type as **HTTPv2**.
- 3. Configure Integration Settings:**
 - **Name:** Provide a name for the integration (e.g., "LocusIntegration").
 - **Type:** Ensure the type is set to **HTTPv2**.
 - **Data Converter:** Select the data converter created earlier (e.g., "LocusDataConverter").
 - **Application Address:** Specify the application address for Locus. This URL depends on the client's tenant. Contact the development team to obtain the correct URL (e.g., <https://tenant-specific.locus.tektelic.com>).
 - **Port:** Set the port to **443**.
 - **Base Path:** Set the base path to **/v2/integration**.
 - **HTTPS:** Enable HTTPS to ensure secure communication.
 - **Request Headers:**
 - Add the following header: ApiKey: ApiKey.
 - Note: Replace ApiKey with the actual API key provided by the Locus development team.
- 4. Save and Test the Integration:**
 - Save the integration configuration on the Network Server.
 - Test the integration by sending a sample message from a device to verify that data is successfully transmitted to Locus (e.g., check the Locus dashboard for incoming data).

Expectations: The Network Server is now integrated with Locus, and device data is transmitted to the Locus platform via the configured HTTPv2 endpoint.