

Locus User Documentation [For the USERS]



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LOCUS WEB Application

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1. Introduction

Welcome to the LOCUS Application Guide

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 the user is covered no matter your setup. User creates Sites (your main locations), Buildings, and Floor Plans, then adds Devices and Assets to a Home Site. Assets can move between Sites, and you'll see them all on a global Outdoor Map. Set up Geofences and Alarm Rules to get notified when Asset enters or leaves specific zone.

2. Acronyms and Glossary

- **Altitude** - Height of an asset relative to sea level, measured in meters.
- **Asset** - An item or object user wants to track, such as equipment or inventory. In LOCUS, assets are linked to devices to monitor their location.
- **Asset ID** - A unique identifier is automatically generated by the system for each asset.
- **Asset Status** - The current condition of an asset in LOCUS, shown as **Online** (actively tracked with 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 a person, helping you organize and identify assets easily.
- **Battery Level** - The most recent battery level 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, the user needs to contact a Support Engineer to create and enter the model.
- **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 sets 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.

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 person) for easy organization.
- **Seamless Integration:** Works with any LoRaWAN Network servers. REST API for integration with 3rd party systems.
- **Device Insights:** Track device status (Online, Offline, Not Active).
- **Location Precision:** Pinpoint assets with latitude and longitude outdoors, or BLE reference points indoors, all updated live.

5. Initial Account Setup

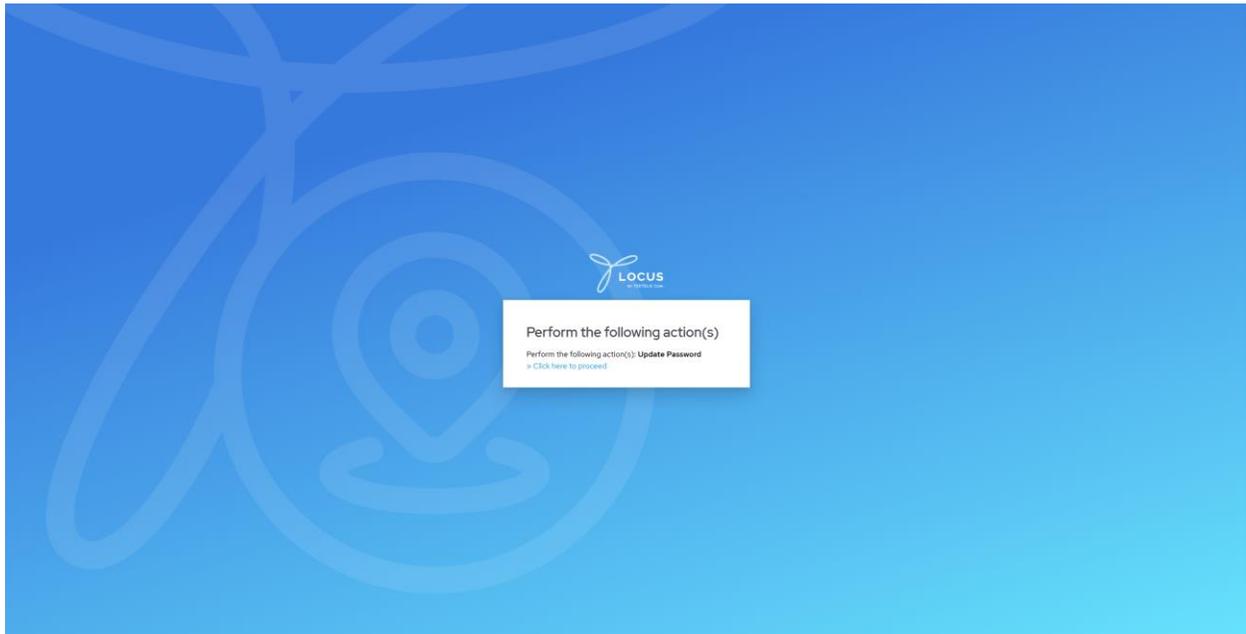
Here's how to get started with LOCUS for the first time:

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."

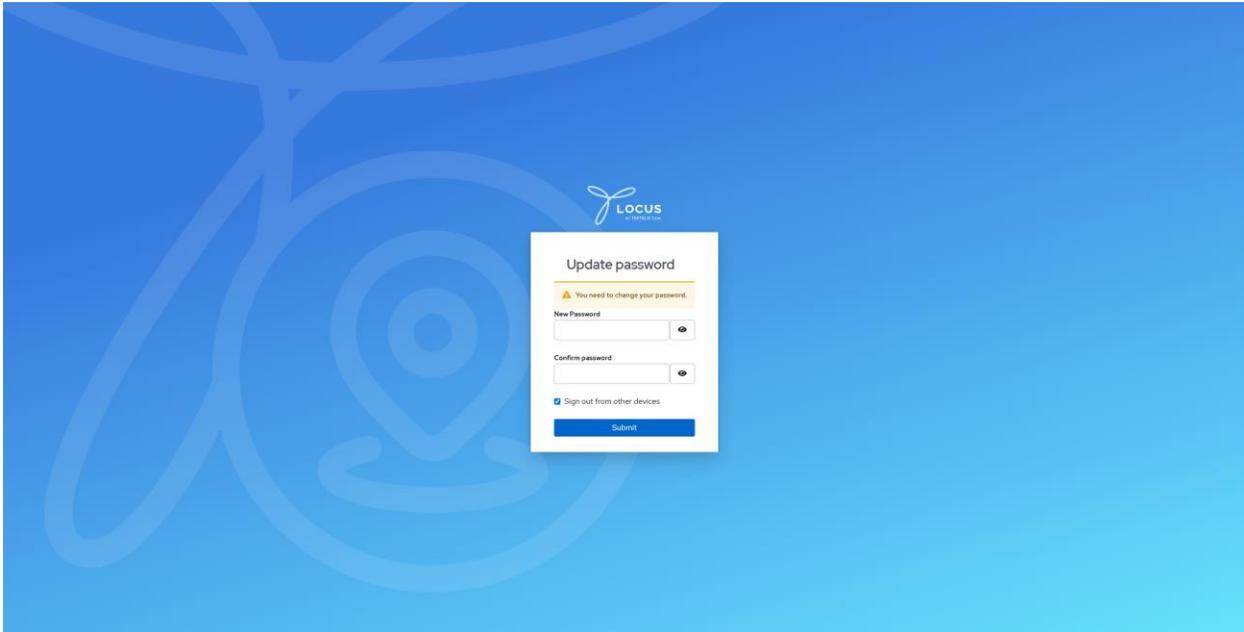


3. **Proceed Further**

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

4. **Set Your Password**

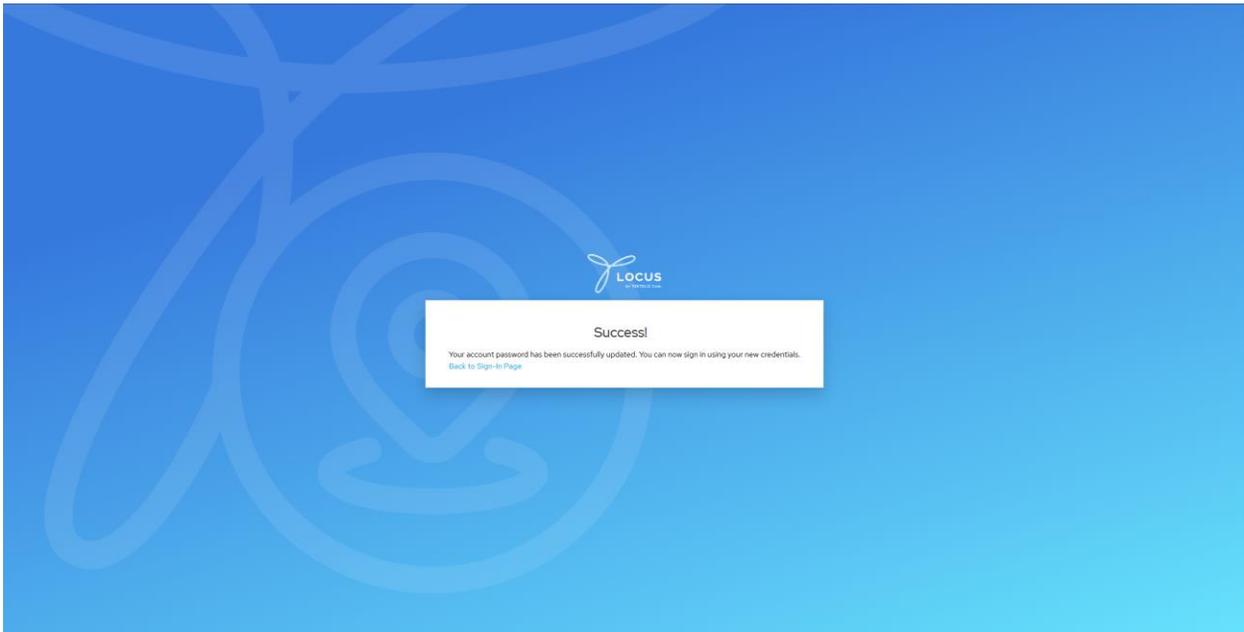
You'll be taken to the "Update Password" page. Enter your new password and click **Submit**.



The screenshot shows the 'Update password' form on the LOCUS platform. The form is centered on a blue background with a large, faint, stylized 'L' logo. The form itself is white with a blue border. At the top, it says 'Update password' and 'LOCUS' with a logo. Below that, there is a yellow warning icon and the text 'You need to change your password.' The form contains two input fields: 'New Password' and 'Confirm password', both with eye icons to toggle visibility. There is a checkbox labeled 'Sign out from other devices' and a blue 'Submit' button at the bottom.

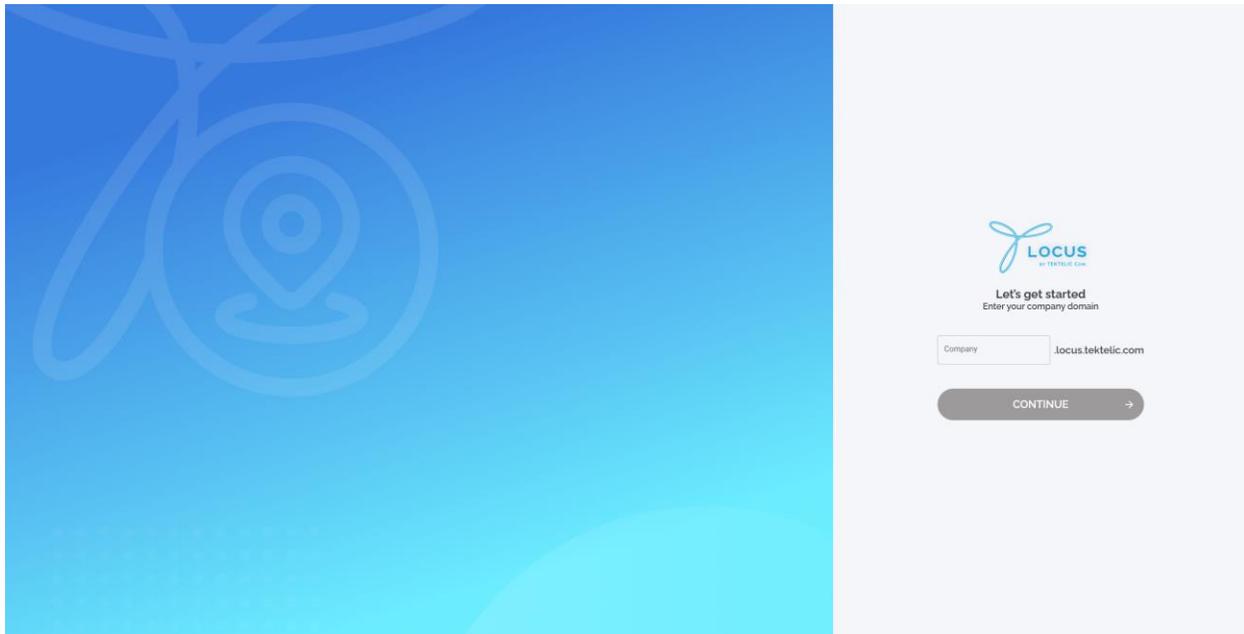
5. **Confirm Success**

After submitting, you'll see a "Success" message. Click the link **Back to Sign-In Page** to finish setting up your account.



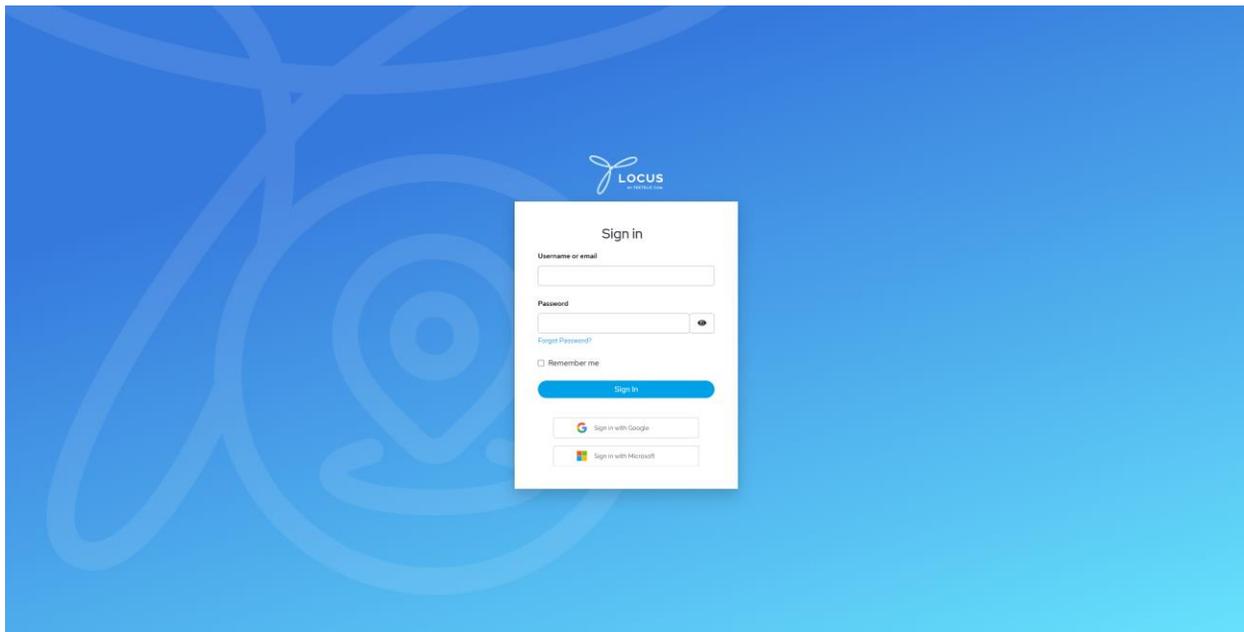
6. Enter Your Organization

Next, you'll arrive at the "Let's Get Started" page. Type your organization's (Tenant) name and click the button **Continue**.



7. Sign In

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



Additional login options

Single Sign-On (SSO)

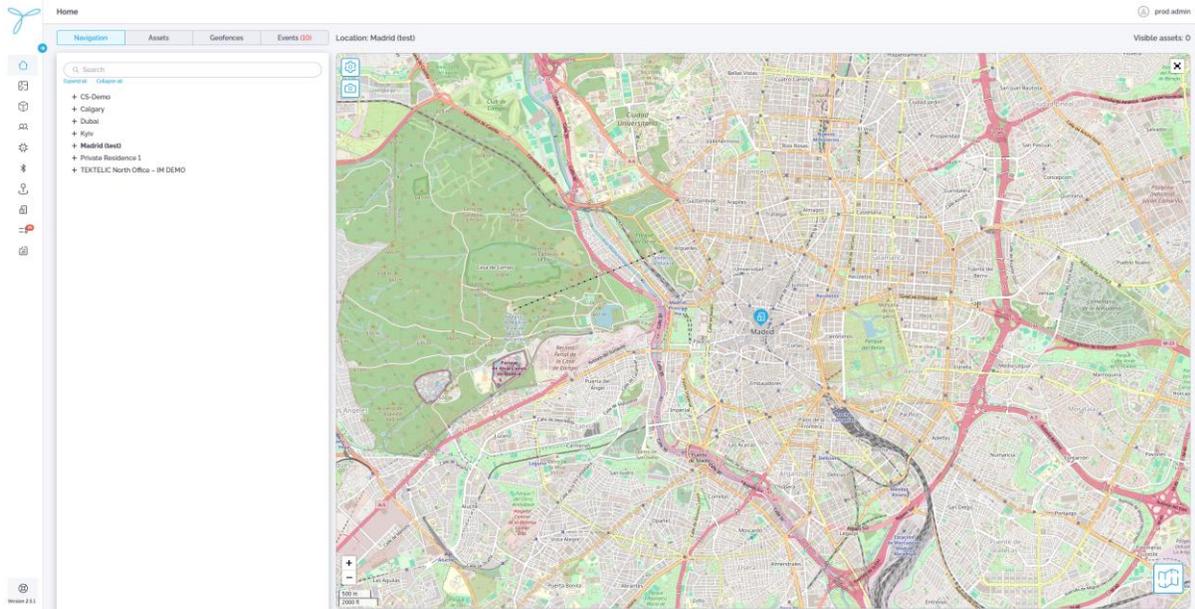
Use your Google or Microsoft account for a faster, secure login - no extra credentials are needed.

6. Features & Functionalities

6.1 Home page

- **Left Panel (Top to Bottom):**
 - **Home:** Jump back to the main view anytime.
 - **Floor Plans:** Access indoor layouts for precise indoor 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 locations.
 - **Buildings:** Organize structures within your sites.
 - **Events:** See triggered events across your system.
 - **Event Rules:** Set up custom alerts for your assets.
- **Tabs Under "Home" (Site-Specific):**
 - These attributes 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.



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.

Permissions: Admins and users with permission 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 | - | Kyrylivka 15 | Kyiv | - |
| test_floor | - | Main Building | Calgary | - |
| multilaburation test | 8 | Kyrylivka 15 | Kyiv | - |
| Flat room | 1 | Japon | Madrid (test) | BLU |
| Ground Floor G1 | 0 | Car Parking | Dubai | BLU |
| CS Demo floor | 7 | HBD | CS-Demo | BLU |
| Anna5-Test | - | Kyrylivka 15 | Kyiv | - |
| Private - Full Map (all floors) | 1 | Building 1 | Private Residence 1 | - |
| BS (over Guide) | - | Kyrylivka 15 | Kyiv | - |
| TEXTLUC Calgary Office | main | Main Building | Calgary | - |
| Floor F8 | 8 | Kyrylivka 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 manage which columns to show or hide from available options (e.g., Floor Plan, Floor Level, Tags). Columns can be rearranged by dragging and hidden by deselecting, but resizing is not supported.

| Site Name | Assets Inside | Tags | Site ID | Create Date |
|--------------|---------------|------|---------------------------------------|---------------------|
| Kyiv | 1 | | 53af3x41-af67-4287-b295-a17c0ae99b66 | 02-05-2025 01:04 AM |
| Sandbox | - | | a482f5a3-8ac2-4c97-a99a-62137a351d30 | 02-05-2025 01:39 PM |
| Calgary | - | | a56730f4-99a5-4590-85b4-4963a56a3a95 | - |
| Calgary Test | - | | af6d110a6-006d-4372-b004-6559a65d8285 | - |
| SiteOG | - | | 0a6a5658-ca0a-456c-8870-95c492bc130c | 02-10-2025 02:38 PM |
| Brussels | - | | 6f2f0e0-395d-4373-ad6d-3965ca93d4f5 | 02-11-2025 05:15 PM |
| Isaite | - | | 544a4f50-3c62-44d0-8515-74a7b76b0b88 | 03-03-2025 05:30 PM |
| 2ndsite | - | | 873a0f87-af4e-428f-5a64-77f4578accd2 | 03-03-2025 05:30 PM |

Table preferences

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

CANCEL
SAVE

- **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.

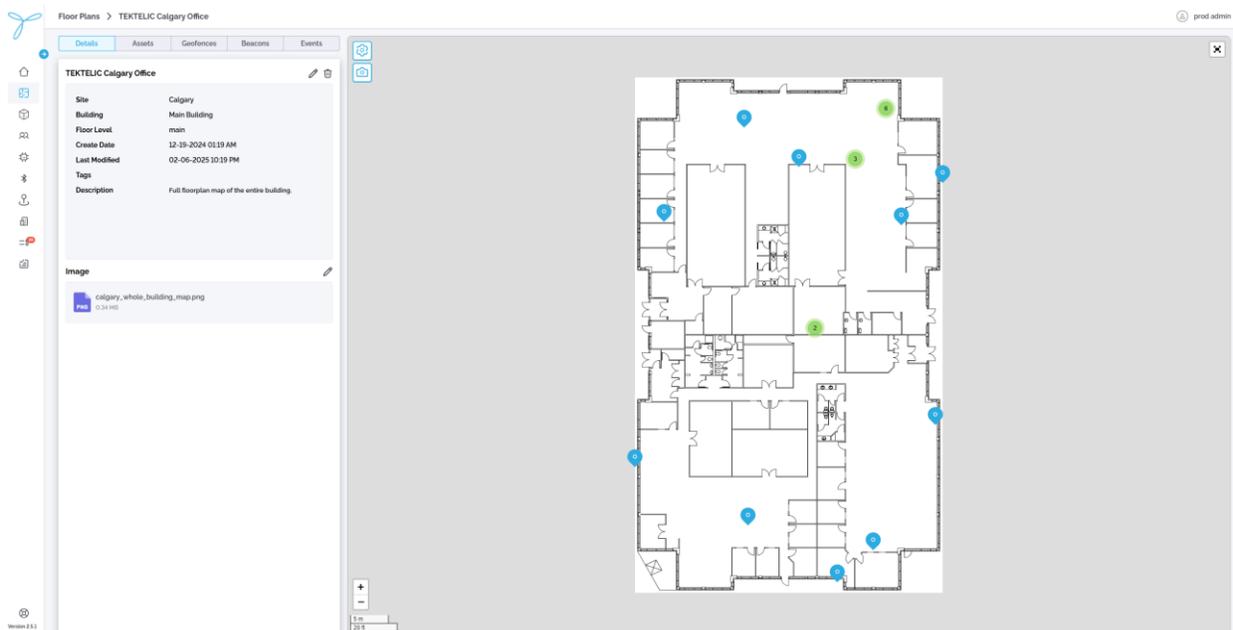
| Floor Plan | Floor Level | Building | Site | Tags |
|--------------------------------|-------------|---------------|---------------------|------|
| floor name | - | no_test | Kyiv | - |
| Daria test 2.5.0 | - | Kyrylivka 15 | Kyiv | - |
| test_floor | - | Main Building | Calgary | - |
| multilaberation test | 8 | Kyrylivka 15 | Kyiv | - |
| Flat room | 1 | Japon | Madrid (test) | ALL |
| Ground Floor G1 | 0 | Car Parking | Dubai | ALL |
| CS Demo floor | 7 | HBD | CS-Demo | ALL |
| Arma5-Test | - | Kyrylivka 15 | Kyiv | - |
| Private- Full Map (all floors) | 1 | Building 1 | Private Residence 1 | - |
| BI (lower Guide) | - | Kyrylivka 15 | Kyiv | - |
| TEKTELIC Calgary Office | main | Main Building | Calgary | - |
| Floor FB | 8 | Kyrylivka 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 Office).
 - **Building:** The building is 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.

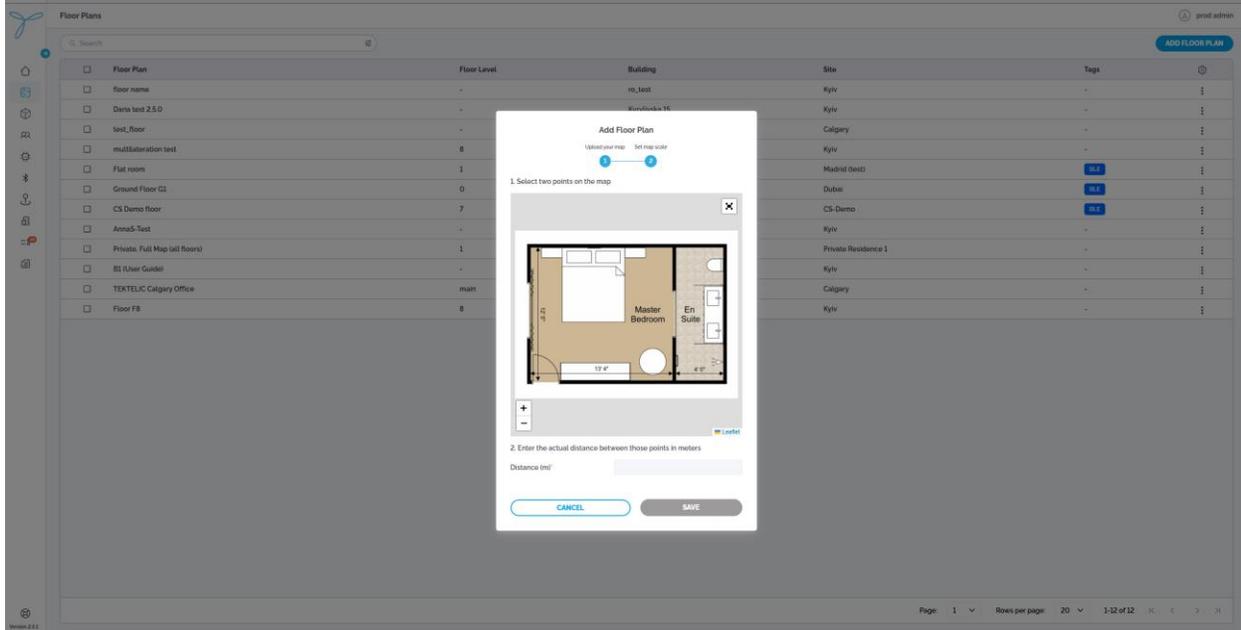
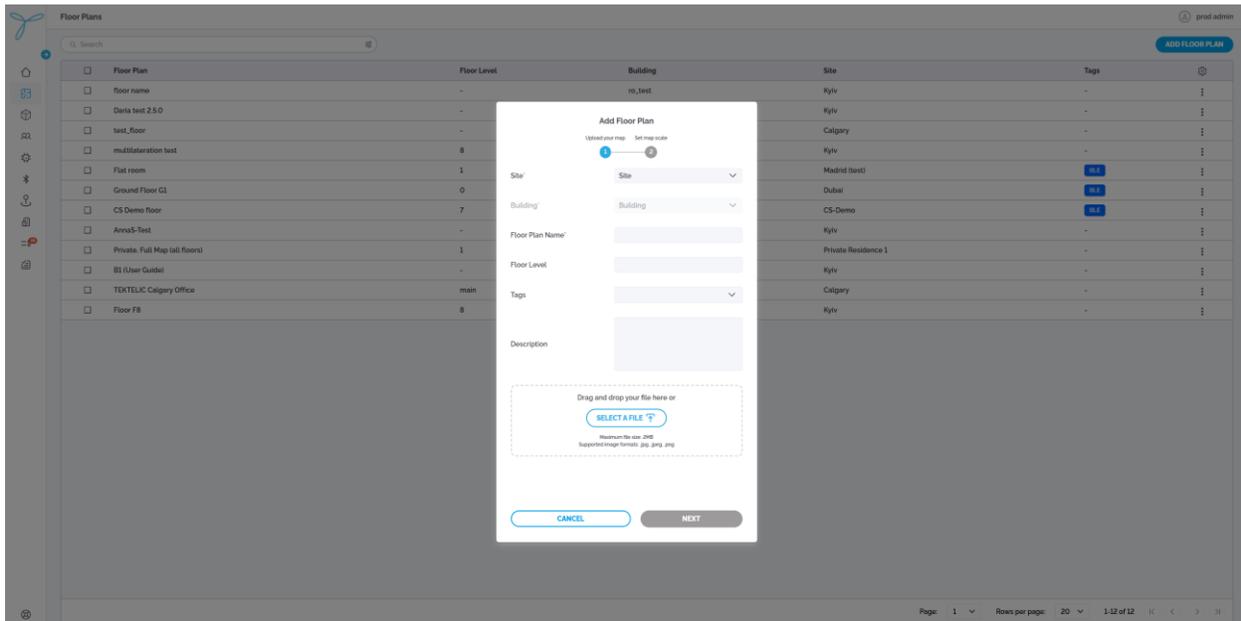
Steps:

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.

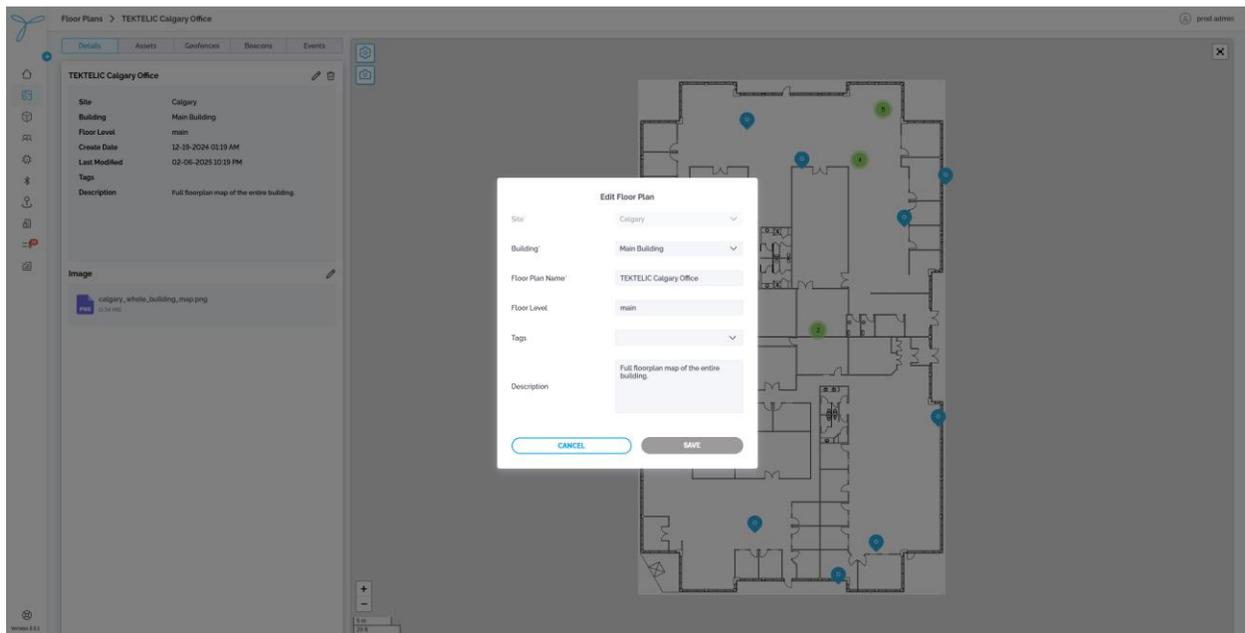
Steps:

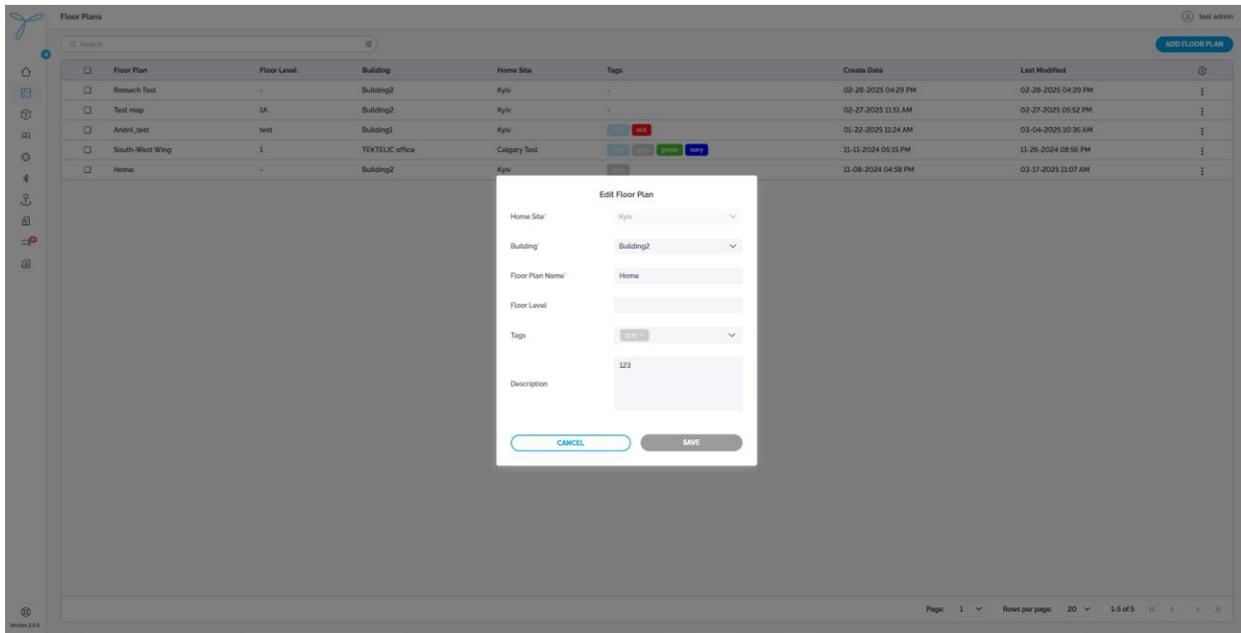
1. From the Floor Plans page, click a floor plan in the table (e.g., "TEKTELIC Calgary Office").
2. In the detailed view, select **Edit Floor Plan**.
3. Update the fields as needed.
4. Click **Save** to confirm changes.

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.

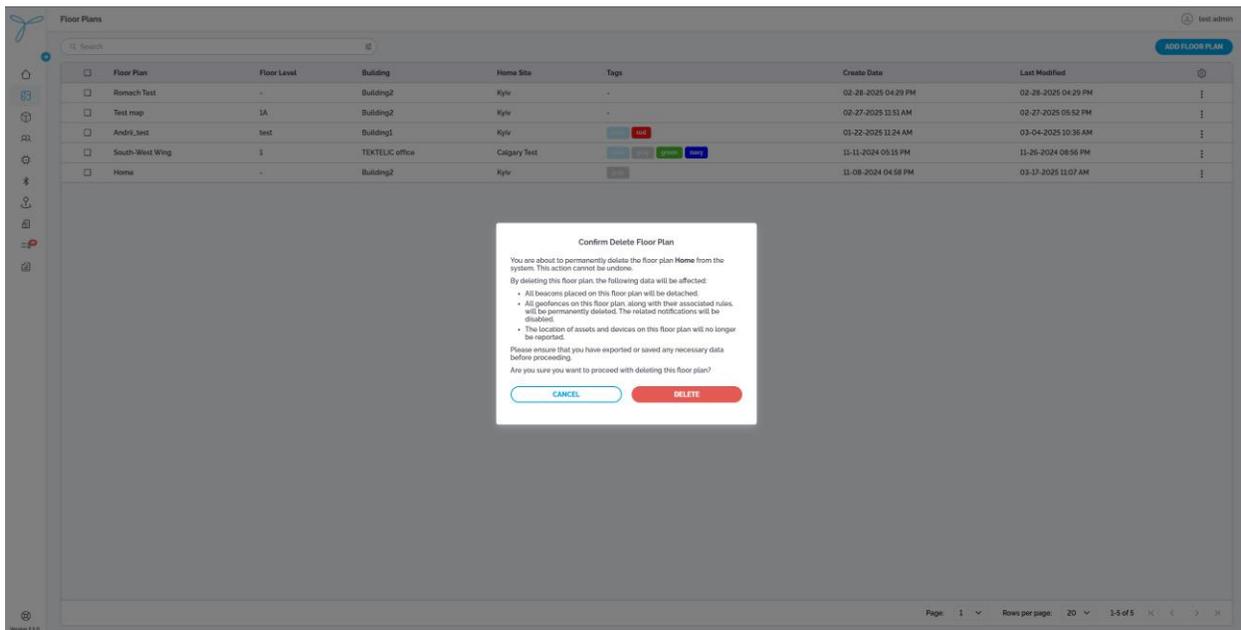


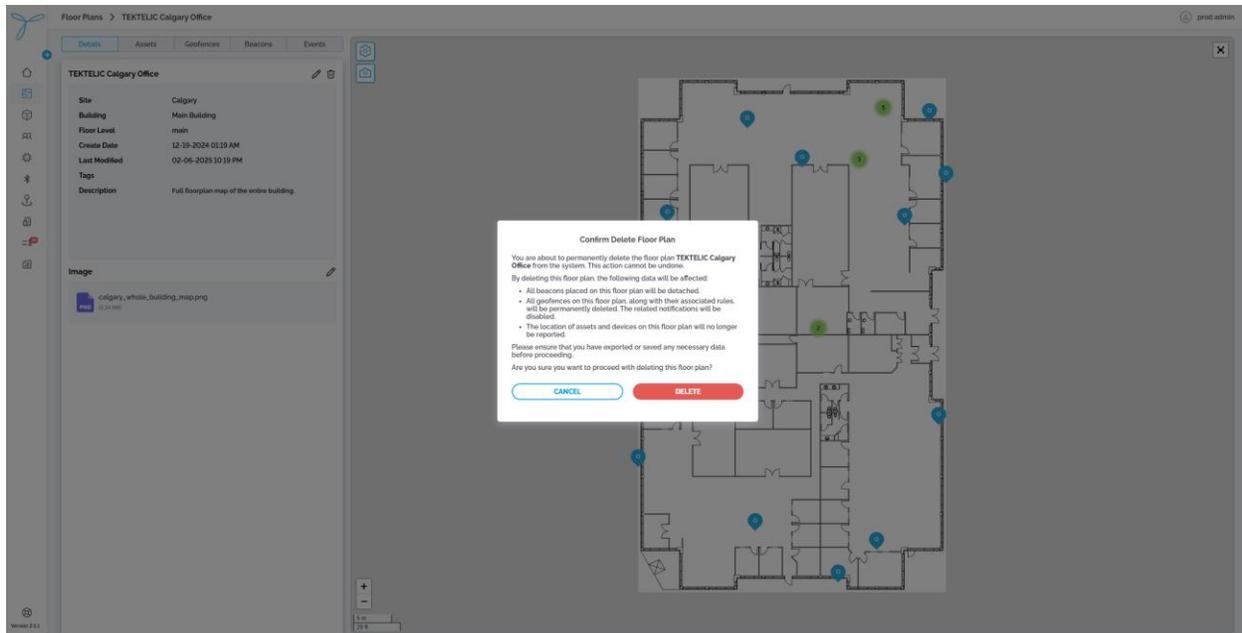


6.1.4 Delete Floor Plan

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 are linked to it.





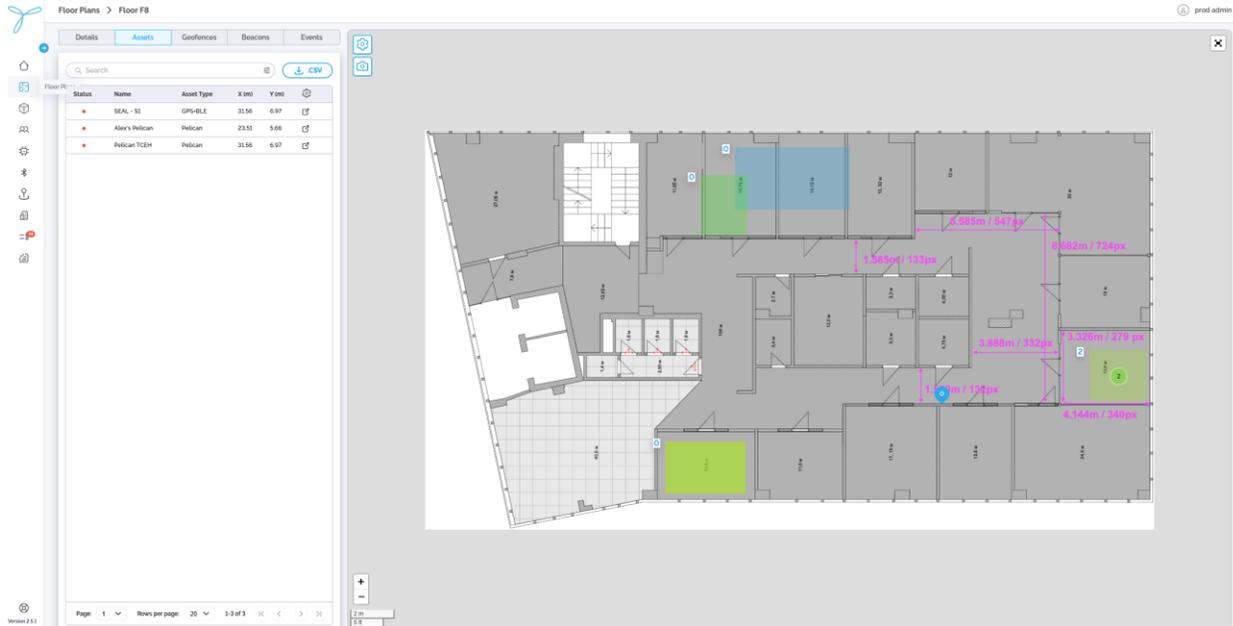
6.1.5 Floor plan “Assets”

Key Features and Functions

List View

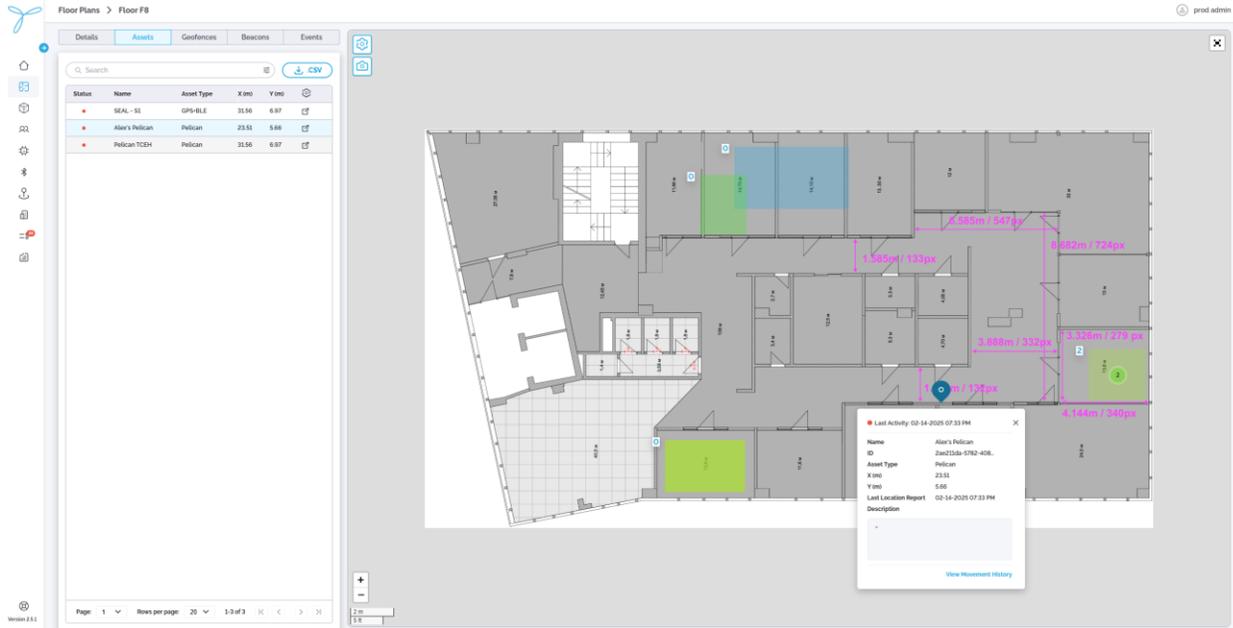
- The table displays assets that have determined their position on the selected floor plan, with default columns: Status, Name, Asset Type, X(m), and Y(m).
- **Column Configuration:** Click the gear icon to open Table Preferences. You can select which columns to show or hide from available options (e.g., 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:

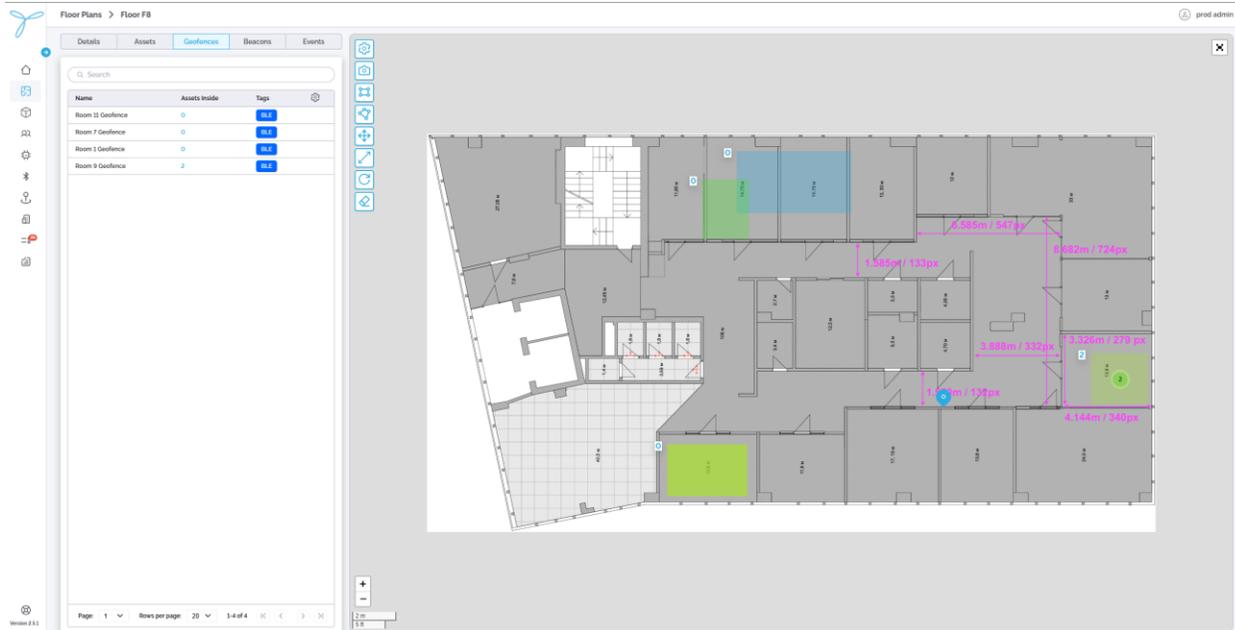
- **Last Activity:** Cannot be edited; updates automatically.
- **ID:** Cannot be edited; system-generated.
- **Asset Type:** Cannot be edited on this page; must be changed in the Assets section.
- **X(m):** Cannot be edited; determined by the device's position.
- **Y(m):** Cannot be edited; determined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

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.



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:

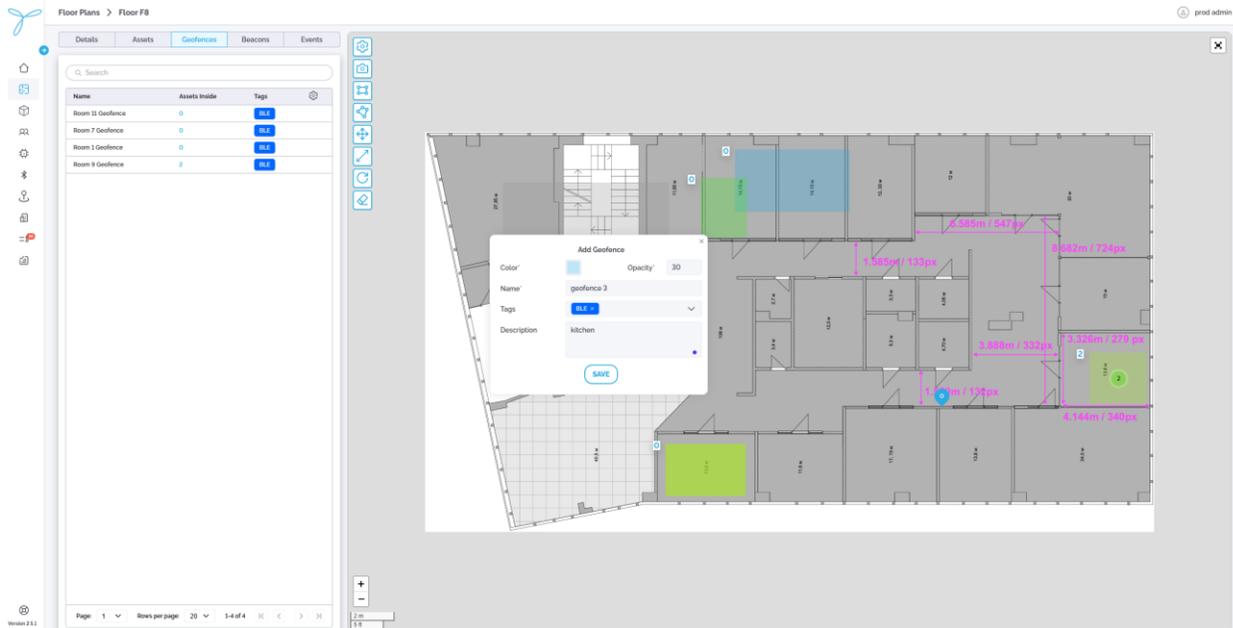
1. From the Floor Plan Geofences page, select the map view.
2. Click **Draw Rectangle** or **Draw Polygon** to create a new geofence shape.
3. Define the geofence by clicking and dragging to set its boundaries.
4. Enter a name, optional description, tags, color, and transparency in the prompted fields.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

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"

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.

The screenshot displays the Tektelic Floor Plans interface for 'Floor F8'. On the left, a table lists beacon details:

| Name | Model | MAC Address | Localization Mode | X (m) | Y (m) |
|-------------|-------|------------------|-------------------|-------|-------|
| AC23F58ECEB | Pong | AC:23:F5:8E:CE:B | Nearest | 12.30 | 6.53 |
| AC23F6F5E53 | Pong | AC:23:F6:F5:F5:3 | Nearest | 25.76 | 34.05 |
| AC23F6F5E50 | Pong | AC:23:F6:F5:F5:0 | Nearest | 31.58 | 6.97 |
| AC23F6F6E2D | Pong | AC:23:F6:F6:E2:D | Nearest | 23.31 | 5.66 |

The main area shows a floor plan with several beacons marked by colored dots (purple, green, blue). The purple dot is labeled 'X: 123 Y: 65'. Other beacons are labeled with their X and Y coordinates: X: 25.8 Y: 34.1, X: 25.8 Y: 34.0, X: 31.6 Y: 7.0, X: 23.3 Y: 6.5, X: 23.3 Y: 6.7, and X: 23.3 Y: 5.7. The interface includes a search bar, a table with columns for Name, Model, MAC Address, Localization Mode, X (m), and Y (m), and a legend at the bottom right with options for Regular, Nearest, and Unassigned.

6.2 Assets

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.

Assets prod admin

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) | |
|--------------------------|-------------------------------------|---------------------|---------------|--------------------------------|-------------------------|-------|----------|-----------|--------------------------------------|--------------------------------------|-------------------|---------------------|---------------------|------------|------|
| <input type="checkbox"/> | Roman's Chickadee (T00B334 AD 2432) | Private Residence 1 | Building 1 | Private, Full Map (all floors) | 18.75 | 9.03 | - | - | e24dc2c2-6f22-4a70-ba30-2b18f5ca9db1 | 647FDA00000F13C | CHICKADEE | 03-18-2025 12:07 PM | 75% | -72 | |
| <input type="checkbox"/> | Tom's Pelican 3 | Calgary | Main Building | TEXTELIC Calgary Office | 27.49 | 59.74 | - | - | 3a025034-a62c-481a-bf63-22a6d11d6924 | 647FDA000000C929 | PELICAN | 03-18-2025 12:07 PM | 87% | -55 | |
| <input type="checkbox"/> | Tom's Pelican 2 | Calgary | Main Building | TEXTELIC Calgary Office | 34.1 | 62.73 | - | - | 59664c7f-9186-4268-b85a-5c742d411384 | 647FDA000000FFC7 | PELICAN | 03-18-2025 12:07 PM | 94% | -45 | |
| <input type="checkbox"/> | Tom's Pelican 1 | Calgary | Main Building | TEXTELIC Calgary Office | 28.1 | 55.83 | - | - | f618f33a-3665-446a-9e03-610618f6a1ce | 647FDA000000D940 | PELICAN | 03-18-2025 12:07 PM | 94% | -50 | |
| <input type="checkbox"/> | Nadia's Chickadee | Chickadee | Calgary | Main Building | TEXTELIC Calgary Office | 23 | 33.05 | - | - | 0c93a66b-521a-46cc-99a0-6b73a9f96444 | 647FDA000000F11E | CHICKADEE | 03-18-2025 12:07 PM | 90% | -80 |
| <input type="checkbox"/> | Zenon's Chickadee | BLE | Calgary | Main Building | TEXTELIC Calgary Office | 21.13 | 54.72 | - | - | 96f7930-08af-4b40-943c-816f4aa101cd | 647FDA000000106DC | PELICAN | 03-18-2025 12:06 PM | 96% | -74 |
| <input type="checkbox"/> | Jack's Chickadee | Chickadee | Calgary | Main Building | TEXTELIC Calgary Office | 30.88 | 8.65 | - | - | 4e7be1f3-a844-4f2c-8103-1a039319a7a4 | 647FDA000000F138 | CHICKADEE | 03-18-2025 12:06 PM | 92% | -69 |
| <input type="checkbox"/> | Eugene's Chickadee | Chickadee | Calgary | Main Building | TEXTELIC Calgary Office | 38.67 | 21.53 | - | - | cfa02ba8-df84-4053-9187-79367646415f | 647FDA000000F13A | CHICKADEE | 03-18-2025 12:06 PM | 91% | -87 |
| <input type="checkbox"/> | Zenon's Chickadee | 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 |
| <input type="checkbox"/> | Emma's Chickadee | Chickadee | Calgary | Main Building | TEXTELIC Calgary Office | 14.25 | 61.12 | - | - | 78d75d3c-d7cd-48e0-9176-ca2b6857ed59 | 647FDA000000F125 | CHICKADEE | 03-18-2025 12:06 PM | 92% | -77 |
| <input type="checkbox"/> | Alfredo's Chickadee | Chickadee | Calgary | Main Building | TEXTELIC Calgary Office | 14.79 | 8.68 | - | - | f9718f2a-1a28-4943-b830-8959f6b3265a | 647FDA000000F137 | CHICKADEE | 03-18-2025 12:05 PM | 91% | -78 |
| <input type="checkbox"/> | Isaac's Chickadee | Chickadee | Calgary | Main Building | TEXTELIC Calgary Office | 30.57 | 51.14 | - | - | 0046ba2f-4f56-4a76-8c56-0db46af79f93 | 647FDA000000F12C | CHICKADEE | 03-18-2025 12:04 PM | 92% | -66 |
| <input type="checkbox"/> | Dhan's Chickadee | Chickadee | Calgary | Main Building | TEXTELIC Calgary Office | 31.9 | 62.35 | - | - | c6d8143c-0f6f-4605-8959-018a0a11cd8d | 647FDA000000F12A | CHICKADEE | 03-18-2025 12:04 PM | 88% | -49 |
| <input type="checkbox"/> | Abigail's Chickadee | Chickadee | Calgary | Main Building | TEXTELIC Calgary Office | 23.36 | 31.48 | - | - | 14d4f998-aaa0-42a5-8d6f-1a32c1bb5239 | 647FDA000000F12F | CHICKADEE | 03-18-2025 12:03 PM | 91% | -72 |
| <input type="checkbox"/> | Shanai's Chickadee | GPS-BLE | Calgary | Main Building | TEXTELIC Calgary Office | - | 16.07 | - | - | 2247bf0f-0443-4d8e-af69-1f6eacdf5b8f | 647FDA000000F12D | CHICKADEE | 03-18-2025 12:02 PM | 91% | -72 |
| <input type="checkbox"/> | Andrew's Chickadee | 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 |
| <input type="checkbox"/> | David's Chickadee | Chickadee IM DEMO | Calgary | Main Building | TEXTELIC Calgary Office | 30.83 | 62.57 | 51119963 | -114.042072 | 83a00c2-035d-4d1a-b097-78a6d47ab6cf | 647FDA000000F121 | CHICKADEE | 03-18-2025 12:01 PM | 95% | -49 |
| <input type="checkbox"/> | Tom's Chickadee | GPS-BLE | Calgary | Main Building | TEXTELIC Calgary Office | 34.18 | 45.1 | 51104595 | -114.041695 | 0e5c12a-0a33-42f0-bc6c-20a032ba5373 | 647FDA000000F131 | CHICKADEE | 03-18-2025 12:01 AM | 88% | -85 |
| <input type="checkbox"/> | CS2 Demo StorK3 | CS DEMO | - | - | - | - | 130862 | 103.89466 | 1d1815f8-b845-4f5c-b82b-4bb22a6c71b1 | 647FDA0000001982 | STORK | 03-18-2025 12:21 AM | 98% | -75 | |
| <input type="checkbox"/> | Margo's Chickadee | GPS-BLE | Calgary | Main Building | TEXTELIC Calgary Office | 30.48 | 60.61 | 51030841 | -114.068521 | cb25c0f0-22a1-4650-a26b-445c8b67ccae | 647FDA000000F128 | CHICKADEE | 03-18-2025 02:48 AM | 94% | -107 |

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Assets prod admin

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-481a-bf63-22a6d11d6924 | 647FDA000000C929 | PELICAN | 03-18-2025 12:18 PM | 87% | -54 | 11.5 | - | Calgary | - | Yellow | 03-04-2025 05:30 AM |
| Building | TEXTELIC Calgary Office | 34.1 | 62.73 | - | - | 59664c7f-9186-4268-b85a-5c742d411384 | 647FDA000000FFC7 | PELICAN | 03-18-2025 12:15 PM | 94% | -47 | 11.2 | - | Calgary | - | Yellow | 02-19-2025 06:48 PM |
| Building | TEXTELIC Calgary Office | 28.1 | 55.83 | - | - | f618f33a-3665-446a-9e03-610618f6a1ce | 647FDA000000D940 | PELICAN | 03-18-2025 12:15 PM | 94% | -51 | 11.5 | - | Calgary | - | Yellow | 03-04-2025 05:30 AM |
| ing 1 | Private, Full Map (all floors) | 18.75 | 9.03 | - | - | e24dc2c2-6f22-4a70-ba30-2b18f5ca9db1 | 647FDA000000F13C | CHICKADEE | 03-18-2025 12:15 PM | 73% | -73 | 11.5 | - | Private Residence 1 | - | Yellow | 12-23-2024 11:55 PM |
| Building | TEXTELIC Calgary Office | 30.57 | 51.14 | - | - | 0046ba2f-4f56-4a76-8c56-0db46af79f93 | 647FDA000000F12C | CHICKADEE | 03-18-2025 12:15 PM | 92% | -67 | 9.5 | - | Calgary | - | Yellow | 02-07-2025 12:58 AM |
| Building | TEXTELIC Calgary Office | 21.13 | 54.72 | - | - | 96f7930-08af-4b40-943c-816f4aa101cd | 647FDA000000106DC | PELICAN | 03-18-2025 12:14 PM | 96% | -73 | 11.8 | - | Calgary | - | Yellow | 02-15-2025 12:31 PM |
| Building | TEXTELIC Calgary Office | 31.9 | 62.35 | - | - | c6d8143c-0f6f-4605-8959-018a0a11cd8d | 647FDA000000F12A | CHICKADEE | 03-18-2025 12:14 PM | 88% | -53 | 10.8 | - | Calgary | - | Yellow | 02-07-2025 01:00 AM |
| Building | TEXTELIC Calgary Office | 23.36 | 31.48 | - | - | 14d4f998-aaa0-42a5-8d6f-1a32c1bb5239 | 647FDA000000F12F | CHICKADEE | 03-18-2025 12:14 PM | 91% | -72 | 10.5 | - | Calgary | - | Yellow | 02-03-2025 07:39 PM |
| Building | TEXTELIC Calgary Office | - | 16.07 | - | - | 2247bf0f-0443-4d8e-af69-1f6eacdf5b8f | 647FDA000000F12D | CHICKADEE | 03-18-2025 12:14 PM | 91% | -71 | 10 | - | Calgary | - | Yellow | 02-05-2025 01:27 AM |
| Building | TEXTELIC Calgary Office | 23 | 33.05 | - | - | 0c93a66b-521a-46cc-99a0-6b73a9f96444 | 647FDA000000F11E | CHICKADEE | 03-18-2025 12:14 PM | 90% | -78 | 10.8 | - | Calgary | - | Yellow | 02-03-2025 08:10 PM |
| Building | TEXTELIC Calgary Office | 38.67 | 21.53 | - | - | cfa02ba8-df84-4053-9187-79367646415f | 647FDA000000F13A | CHICKADEE | 03-18-2025 12:14 PM | 91% | -47 | 9.5 | - | Calgary | - | Yellow | 02-03-2025 05:42 PM |
| Building | TEXTELIC Calgary Office | 30.88 | 8.65 | - | - | 4e7be1f3-a844-4f2c-8103-1a039319a7a4 | 647FDA000000F138 | CHICKADEE | 03-18-2025 12:14 PM | 92% | -69 | 10.2 | - | TEXTELIC North Office - IM DEMO | - | Yellow | 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 | 107715 | Yellow | 02-03-2025 07:35 PM |
| Building | TEXTELIC Calgary Office | 14.25 | 61.12 | - | - | 78d75d3c-d7cd-48e0-9176-ca2b6857ed59 | 647FDA000000F125 | CHICKADEE | 03-18-2025 12:14 PM | 92% | -81 | 11.2 | - | TEXTELIC North Office - IM DEMO | - | Yellow | 01-09-2025 07:22 PM |
| Building | TEXTELIC Calgary Office | 14.79 | 8.68 | - | - | f9718f2a-1a28-4943-b830-8959f6b3265a | 647FDA000000F137 | CHICKADEE | 03-18-2025 12:14 PM | 91% | -78 | 10 | - | Calgary | - | Yellow | 02-03-2025 08:10 PM |
| Building | TEXTELIC Calgary Office | 32.16 | 62.71 | - | - | 777d4eb-d2ac-4345-856e-d2a8a810414f | 647FDA000000F13F | CHICKADEE | 03-18-2025 12:14 PM | 92% | -65 | 7.5 | - | Calgary | - | Yellow | 02-03-2025 08:09 PM |
| Building | TEXTELIC Calgary Office | 30.83 | 62.57 | 51119963 | -114.042072 | 83a00c2-035d-4d1a-b097-78a6d47ab6cf | 647FDA000000F121 | CHICKADEE | 03-18-2025 12:14 PM | 95% | -47 | 8 | - | TEXTELIC North Office - IM DEMO | - | Yellow | 01-09-2025 07:19 PM |
| Building | TEXTELIC Calgary Office | 34.18 | 45.1 | 51104595 | -114.041695 | 0e5c12a-0a33-42f0-bc6c-20a032ba5373 | 647FDA000000F131 | CHICKADEE | 03-18-2025 12:14 PM | 89% | -80 | 7.8 | - | Calgary | - | Yellow | 03-04-2025 10:55 PM |
| - | - | - | - | 130862 | 103.89466 | 1d1815f8-b845-4f5c-b82b-4bb22a6c71b1 | 647FDA0000001982 | STORK | 03-18-2025 11:21 AM | 89% | -75 | 12.2 | - | CS-Demo | 68.47 | BLE | 02-13-2025 10:29 AM |
| Building | TEXTELIC Calgary Office | 30.48 | 60.61 | 51030841 | -114.068521 | cb25c0f0-22a1-4650-a26b-445c8b67ccae | 647FDA000000F128 | CHICKADEE | 03-18-2025 02:48 AM | 94% | -107 | -7.5 | - | Calgary | - | Yellow | 02-14-2025 10:59 PM |

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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.

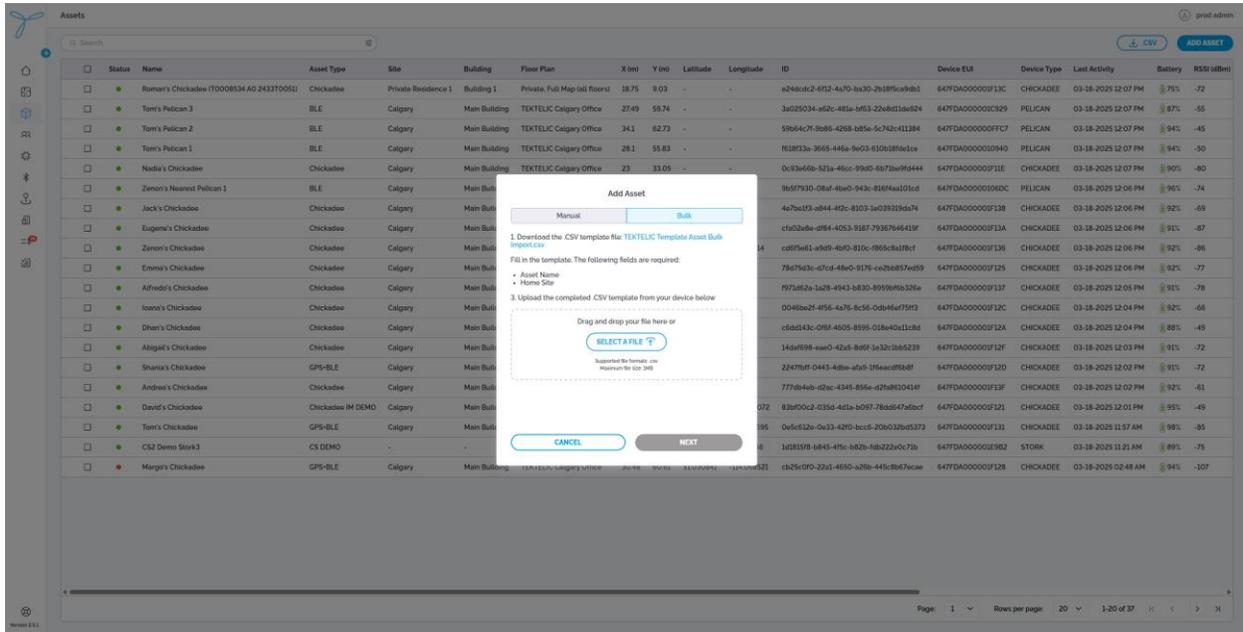
Modes:

- **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 which will be paired with the Asset and report Asset location.
 - **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 a user profile 'prod admin'. Below the search bar is a table of assets 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). The table lists various assets like 'Roman's Chickadee', 'Tom's Pelican 3', etc. An 'Add Asset' modal is open in the center, showing two tabs: 'Manual' (selected) and 'Bulk'. The 'Manual' tab contains fields for 'Asset Name', 'Home Site' (dropdown), 'Asset Type' (dropdown), 'Device EUI' (dropdown), 'Tags' (dropdown), and 'Description'. At the bottom of the modal are 'CANCEL' and 'SAVE' buttons. The table below the modal shows columns for 'X (m)', 'Y (m)', 'Latitude', 'Longitude', 'ID', 'Device EUI', 'Device Type', 'Last Activity', 'Battery', and 'RSSI (dBm)'. The bottom of the page shows pagination: 'Page 1', 'Rows per page 20', and '1-20 of 37'.

- **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 EU) 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.



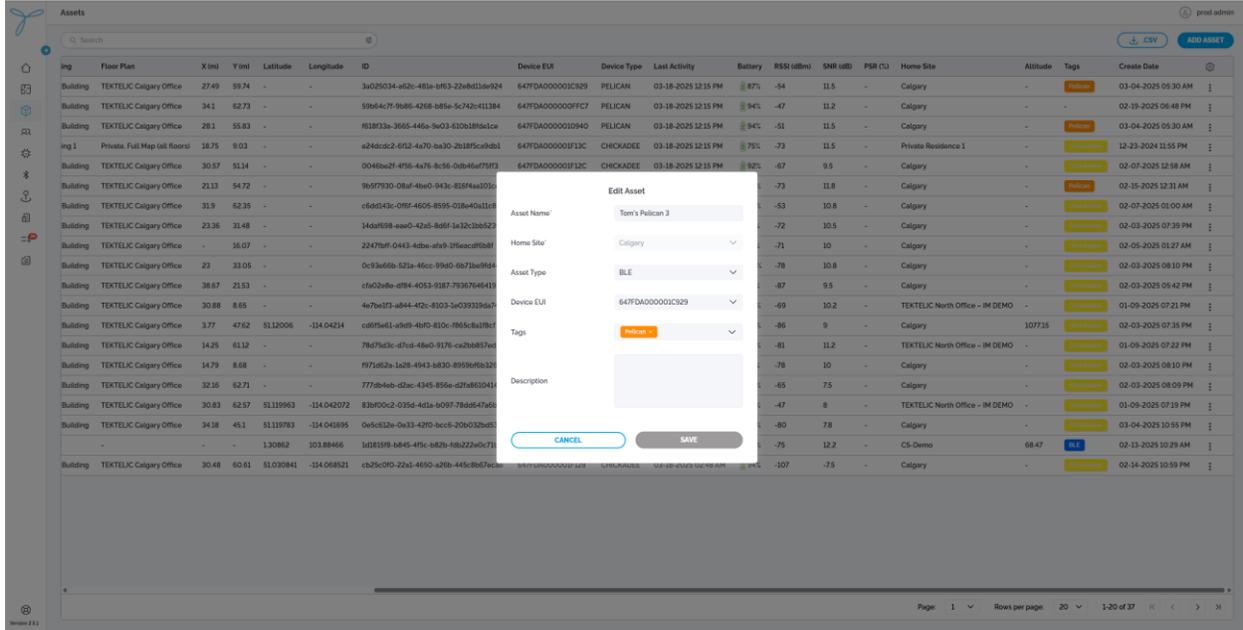
6.2.2 Edit Asset

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

Modes:

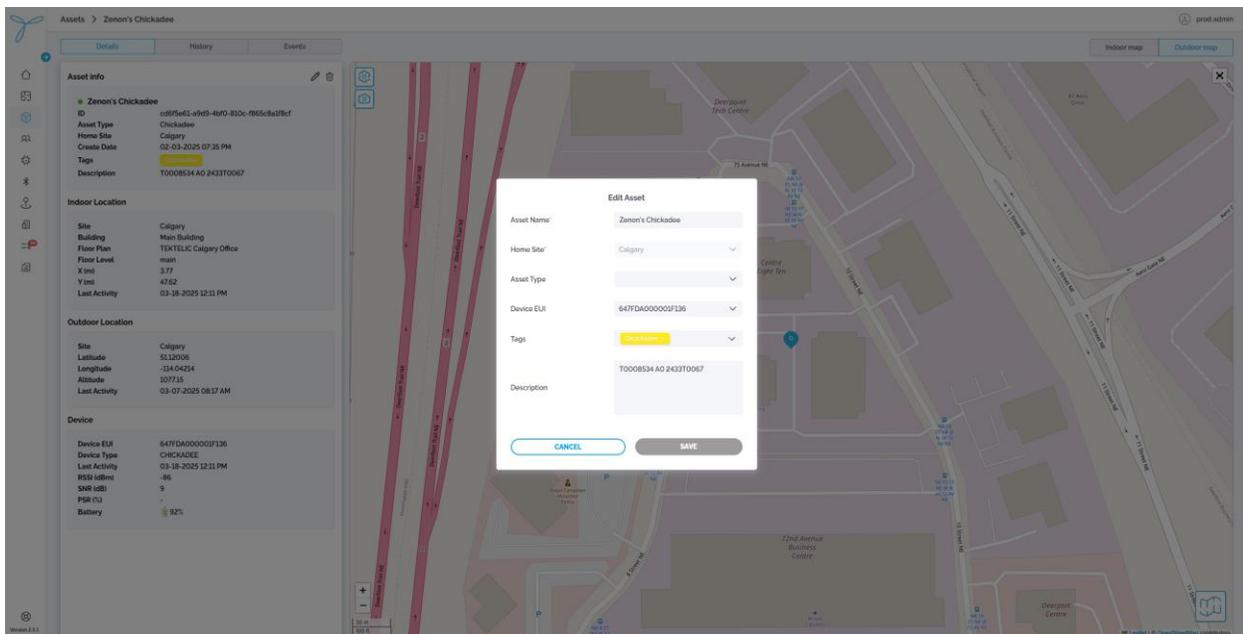
- **From Main Table:**
 - **Steps:**
 1. Click the pencil icon next to an asset (e.g., "Tom's Pelican 3") in the table.
 2. In the **Edit Asset** modal, modify the following fields:
 - **Asset Name** (Editable): Update the name.
 - **Home Site** (Editable): Change the site.
 - **Asset Type** (Editable): Update the type.
 - **Device EU** (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.



- **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.

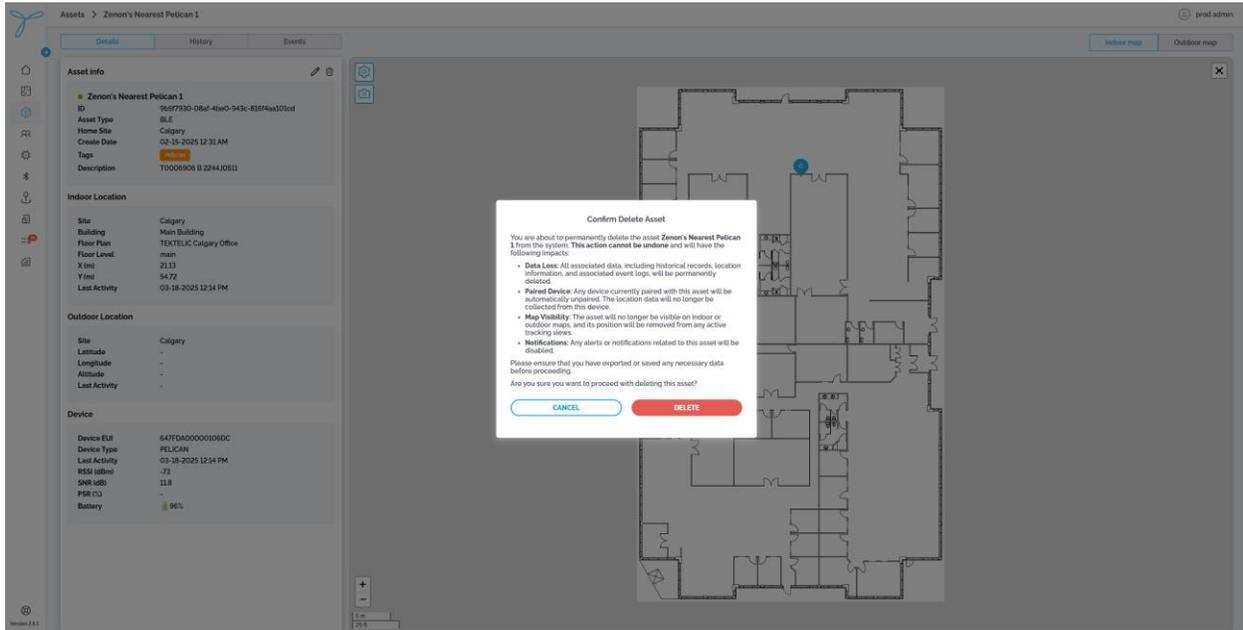
Modes:

- **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-99d0-6b73b96444 | 647FDA000003F1E1 | CHICKADEE | 03-18-2025 12:32 PM | 91% | -71 | 20 | Calgary | - | None | 02-03-2025 08:10 AM |
| 2 | Calgary Office | 38.67 | 25.53 | - | - | cfa02b8e-df84-4053-9187-f036764419f | 647FDA000003F1E1 | CHICKADEE | 03-18-2025 12:31 PM | 91% | -87 | 55 | Calgary | - | None | 02-03-2025 05:42 PM |
| 3 | Calgary Office | 30.88 | 8.65 | - | - | 467be1f3-4844-4f2c-6103-1a039318a674 | 647FDA000003F1E1 | CHICKADEE | 03-18-2025 12:31 PM | 92% | -69 | 10.2 | TEKTELIC North Office - IM DEMO | - | None | 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 | - | None | 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 | - | None | 01-09-2025 07:58 PM |
| 6 | Calgary Office | 34.18 | 45.1 | 51.119783 | -114.041695 | 04c6d12e-0a33-42f0-bcc8-20a032b65373 | 647FDA000003F1E1 | CHICKADEE | 03-18-2025 12:07 PM | 98% | -80 | 78 | Calgary | - | None | 03-04-2025 10:58 PM |
| 7 | Calgary Office | - | - | 51.30862 | 303.88466 | 1d5f159-5d45-4f5c-b22b-f4b22b2b47b | - | - | - | - | - | - | CS-Demo | 68.47 | BLE | 02-13-2025 10:29 AM |
| 8 | Calgary Office | 30.48 | 60.61 | 51.030841 | -114.068521 | c92fc0f0-2261-4830-a295-445c8b67ecae | - | - | - | - | - | - | Calgary | - | None | 02-14-2025 10:59 PM |
| 9 | Calgary Office | 25.52 | - | - | - | 17af8223-7c4e-402f-8a8b-43ab07a4d777 | - | - | - | - | - | - | Calgary | - | None | 02-03-2025 07:33 PM |
| 10 | Calgary Office | 3.01 | 7.34 | - | - | 63f0ba84-a673-4287-a614-4a08254c0915 | - | - | - | - | - | - | Madrid (test) | - | None | 03-12-2025 02:09 PM |
| 11 | Calgary Office | - | - | 51.1654651 | -114.0907216 | 1837581-4468-ae7f-5bb05282c82 | - | - | - | - | - | - | Kyiv | 1128.9 | BLE | 02-25-2025 01:51 PM |
| 12 | Calgary Office | 31.09 | 83.17 | - | - | 713e0acb-0eaf-42af-8a68-976a09c7e45 | - | - | - | - | - | - | Calgary | - | None | 12-09-2024 10:13 PM |
| 13 | Calgary Office | - | - | 50.31196 | 34.93862 | 19c4a890-076e-404b-ae7f-83a057c2865a | - | - | - | - | - | - | Kyiv | 131 | BLE | 03-12-2025 12:57 PM |
| 14 | floor | 14.48 | 7.59 | 13.909332 | 200.678024 | 00e4f455-a28a-4355-b492-8734d0764117 | - | - | - | - | - | - | CS-Demo | - | BLE | 01-30-2025 01:55 PM |
| 15 | Calgary Office | 39.64 | 52.63 | - | - | 4ee5fcb7-2261-4354-89c7-5a152ab2e043 | - | - | - | - | - | - | TEKTELIC North Office - IM DEMO | - | None | 01-09-2025 07:58 PM |
| 16 | floor | 7.45 | 4.39 | - | - | 0f9590cb-7091-418e-b6e5-69756e3e88a9 | - | - | - | - | - | - | 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 | TELIC Calgary Office - IM DEMO | 27.52 | 38.87 | - | - | ec5531a-e46e-4ca0-94bc-97b354546995 | 647FDA000003C205 | PELICAN | 02-15-2025 01:41 AM | 95% | -56 | 10.2 | TEKTELIC North Office - IM DEMO | - | None | 01-13-2025 07:12 PM |
| 19 | Calgary Office | 23.51 | 5.66 | - | - | 2ae211de-5782-4088-a723-081d5d8c337 | 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-8a7b-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 | - | - | 584c559e-c3af-419a-8304-33207b2d62bb | 647FDA000003D93D | PELICAN | 01-28-2025 01:55 PM | 100% | -57 | 9 | Kyiv | - | None | 01-22-2025 07:52 AM |
| 24 | Calgary Office | - | - | - | - | b9b15e98-345a-4309-9c19-0a5e895634c | 647FDA000003D823 | STORK | 01-22-2025 10:39 AM | 100% | -99 | 12.2 | Kyiv | - | None | 01-23-2025 07:37 AM |
| 25 | Calgary Office | - | - | 49.59226 | 34.54757 | 70b1359f-c54e-4ac8-9a82-4d47a8688a62 | 647FDA000003D82C | CHICKADEE | 01-21-2025 05:50 PM | 100% | -42 | 10.2 | Kyiv | 201.51 | None | 01-21-2025 03:18 PM |

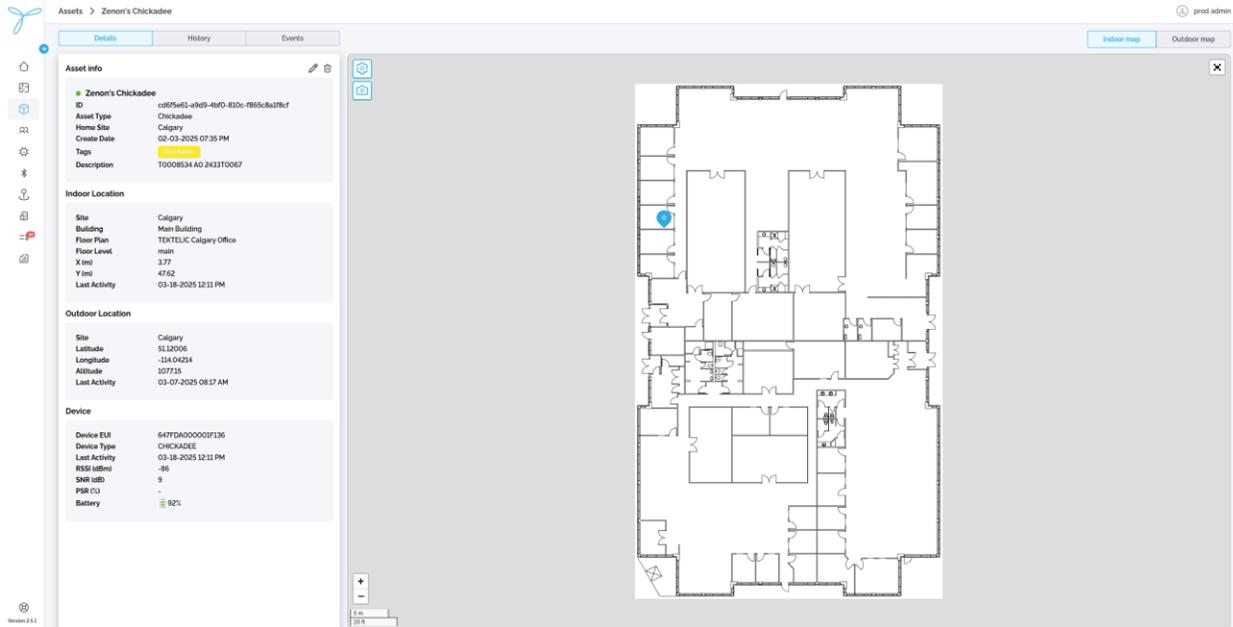
- **From Detailed View:**
 - **Steps:**
 1. Open the detailed view of an asset (e.g., "Zenon's Nearest Pelican 1").
 2. Click the trash icon (if available) to open the **Confirm Delete Asset** modal.
 3. Review the warning and click **Delete** to confirm; **Cancel** to abort.
 - **Expectations:** Same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



6.2.3 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.

6.2.3 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

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.

Devices prod admin

Search CSV ADD DEVICE

| Status | Device Name | Home Site | Device Model | Home Site | Tags | Last Activity | Battery |
|--------|---------------------------|-----------|--------------|---------------------------------|---------------|---------------------|---------|
| ● | Andrii Pelican | see EUI | PELICAN | Madrid (test) | - | 03-13-2025 01:05 PM | 100% |
| □ | TOO08534 AO 243370044 | see EUI | CHKKADEE | Calgary | Chickadee | 03-18-2025 01:17 PM | 98% |
| ● | TOO09006 BI 2346J0469 | see EUI | PELICAN | Calgary | Pelican | 03-18-2025 01:24 PM | 87% |
| ● | TOO09006 BI 2244J0543 | see EUI | PELICAN | Calgary | Pelican | 03-18-2025 01:23 PM | 94% |
| □ | Seal API Kyiv | see EUI | SEAL | Kyiv | RL | 03-13-2025 12:35 PM | - |
| ● | TOO09006 B 2242J0257 | see EUI | PELICAN | Calgary | RL | 03-18-2025 01:24 PM | 94% |
| ● | TOO09006 B 2244J0511 | see EUI | PELICAN | Calgary | Pelican | 03-18-2025 01:22 PM | 96% |
| □ | TOO08534 AO 243370043 | see EUI | CHKKADEE | Calgary | Chickadee | 03-18-2025 12:51 PM | 94% |
| ● | Pelican Roman O | see EUI | PELICAN EX | Kyiv | - | 02-14-2025 07:33 PM | 100% |
| ● | CS Demo Stark3 | see EUI | STORK | CS-Demo | RL | 03-18-2025 01:22 PM | 89% |
| □ | Pelican Kyiv | see EUI | PELICAN | Madrid (test) | RL, Chickadee | 02-28-2025 04:31 PM | 100% |
| ● | TOO08534 AO 243370038 | see EUI | CHKKADEE | Calgary | Chickadee | 03-18-2025 01:21 PM | 92% |
| □ | TOO08534 AO 243370039 | see EUI | CHKKADEE | Calgary | Chickadee | 03-18-2025 01:23 PM | 91% |
| ● | TOO08534 AO 243370036 | see EUI | CHKKADEE | Calgary | Chickadee | 03-18-2025 01:20 PM | 88% |
| □ | TOO08534 AO 243370053 | see EUI | CHKKADEE | Calgary | Chickadee | 03-18-2025 01:22 PM | 92% |
| □ | TOO08534 AO 243370027 | see EUI | CHKKADEE | Calgary | Chickadee | 03-18-2025 01:23 PM | 90% |
| ● | TOO08534 AO 243370047 | see EUI | CHKKADEE | Calgary | Chickadee | 03-18-2025 01:21 PM | 91% |
| □ | TOO08534 AO 243370067 | see EUI | CHKKADEE | Calgary | Chickadee | 03-18-2025 01:22 PM | 91% |
| ● | TOO08534 AO 243370042 | see EUI | CHKKADEE | Calgary | Chickadee | 03-18-2025 01:52 AM | 90% |
| □ | Chickadee LPGNSS | see EUI | CHKKADEE | Kyiv | - | 01-21-2025 05:53 PM | 100% |
| □ | STORK LPGNSS | see EUI | STORK | Kyiv | - | 01-22-2025 10:39 AM | 100% |
| ● | CS DEMO Pelican | see EUI | PELICAN | CS-Demo | - | 02-20-2025 08:34 AM | 99% |
| □ | CS DEMO Stark | see EUI | STORK | CS-Demo | - | 03-12-2025 01:11 PM | 100% |
| □ | Chickadee Isana 4 IM DEMO | see EUI | CHKKADEE | TEKTELIC North Office - IM DEMO | - | 03-18-2025 01:22 PM | 92% |
| ● | Chickadee Isana 3 IM DEMO | see EUI | CHKKADEE | TEKTELIC North Office - IM DEMO | - | 03-18-2025 01:22 PM | 92% |
| ● | Chickadee Isana 2 IM DEMO | see EUI | CHKKADEE | TEKTELIC North Office - IM DEMO | Chickadee | 03-18-2025 01:22 PM | 95% |

Page: 1 Rows per page: 50 1-90 of 69

Devices prod admin

Search CSV ADD DEVICE

| Status | Device Name | Device EUI | Device Model | Home Site | Tags | Last Activity | Battery |
|--------|---------------------------|------------------|--------------|---------------------------------|---------------|---------------------|---------|
| ● | Andrii Pelican | 647FD400000107E6 | PELICAN | Madrid (test) | - | 03-13-2025 01:05 PM | 100% |
| □ | TOO08534 AO 243370044 | 647FD4000001F131 | CHKKADEE | Calgary | Chickadee | 03-18-2025 01:17 PM | 98% |
| ● | TOO09006 BI 2346J0469 | 647FD4000001C929 | PELICAN | Calgary | Pelican | 03-18-2025 01:24 PM | 87% |
| ● | TOO09006 BI 2244J0543 | 647FD40000010940 | PELICAN | Calgary | Pelican | 03-18-2025 01:24 PM | 94% |
| □ | Seal API Kyiv | 647FD40000013354 | SEAL | Kyiv | RL | 03-13-2025 12:35 PM | - |
| ● | TOO09006 B 2242J0257 | 647FD4000000FFC7 | PELICAN | Calgary | RL | 03-18-2025 01:24 PM | 94% |
| ● | TOO09006 B 2244J0511 | 647FD400000106DC | PELICAN | Calgary | Pelican | 03-18-2025 01:24 PM | 94% |
| □ | TOO08534 AO 243370043 | 647FD4000001F128 | CHKKADEE | Calgary | Chickadee | 03-18-2025 12:51 PM | 94% |
| ● | Pelican Roman O | 647FD40000014965 | PELICAN EX | Kyiv | - | 02-14-2025 07:33 PM | 100% |
| ● | CS Demo Stark3 | 647FD4000001E9B2 | STORK | CS-Demo | RL | 03-18-2025 01:22 PM | 89% |
| □ | Pelican Kyiv | 647FD40000010050 | PELICAN | Madrid (test) | RL, Chickadee | 02-28-2025 04:31 PM | 100% |
| ● | TOO08534 AO 243370038 | 647FD4000001F12C | CHKKADEE | Calgary | Chickadee | 03-18-2025 01:21 PM | 92% |
| □ | TOO08534 AO 243370039 | 647FD4000001F12D | CHKKADEE | Calgary | Chickadee | 03-18-2025 01:23 PM | 91% |
| ● | TOO08534 AO 243370036 | 647FD4000001F12A | CHKKADEE | Calgary | Chickadee | 03-18-2025 01:20 PM | 88% |
| □ | TOO08534 AO 243370053 | 647FD4000001F13F | CHKKADEE | Calgary | Chickadee | 03-18-2025 01:22 PM | 92% |
| □ | TOO08534 AO 243370027 | 647FD4000001F11E | CHKKADEE | Calgary | Chickadee | 03-18-2025 01:23 PM | 90% |
| ● | TOO08534 AO 243370047 | 647FD4000001F137 | CHKKADEE | Calgary | Chickadee | 03-18-2025 01:21 PM | 91% |
| □ | TOO08534 AO 243370067 | 647FD4000001F136 | CHKKADEE | Calgary | Chickadee | 03-18-2025 01:22 PM | 91% |
| ● | TOO08534 AO 243370042 | 647FD4000001F130 | CHKKADEE | Calgary | Chickadee | 03-18-2025 01:52 AM | 90% |
| □ | Chickadee LPGNSS | 647FD4000001F0FC | CHKKADEE | Kyiv | - | 01-21-2025 05:53 PM | 100% |
| □ | STORK LPGNSS | 647FD4000001D923 | STORK | Kyiv | - | 01-22-2025 10:39 AM | 100% |
| ● | CS DEMO Pelican | 647FD4000001C938 | PELICAN | CS-Demo | - | 02-20-2025 08:34 AM | 99% |
| □ | CS DEMO Stark | 647FD4000001E9B1 | STORK | CS-Demo | - | 03-12-2025 01:11 PM | 100% |
| □ | Chickadee Isana 4 IM DEMO | 647FD4000001F125 | CHKKADEE | TEKTELIC North Office - IM DEMO | - | 03-18-2025 01:22 PM | 92% |
| ● | Chickadee Isana 3 IM DEMO | 647FD4000001F138 | CHKKADEE | TEKTELIC North Office - IM DEMO | - | 03-18-2025 01:22 PM | 92% |
| ● | Chickadee Isana 2 IM DEMO | 647FD4000001F121 | CHKKADEE | TEKTELIC North Office - IM DEMO | Chickadee | 03-18-2025 01:22 PM | 95% |

Page: 1 Rows per page: 50 1-90 of 69

Detailed View

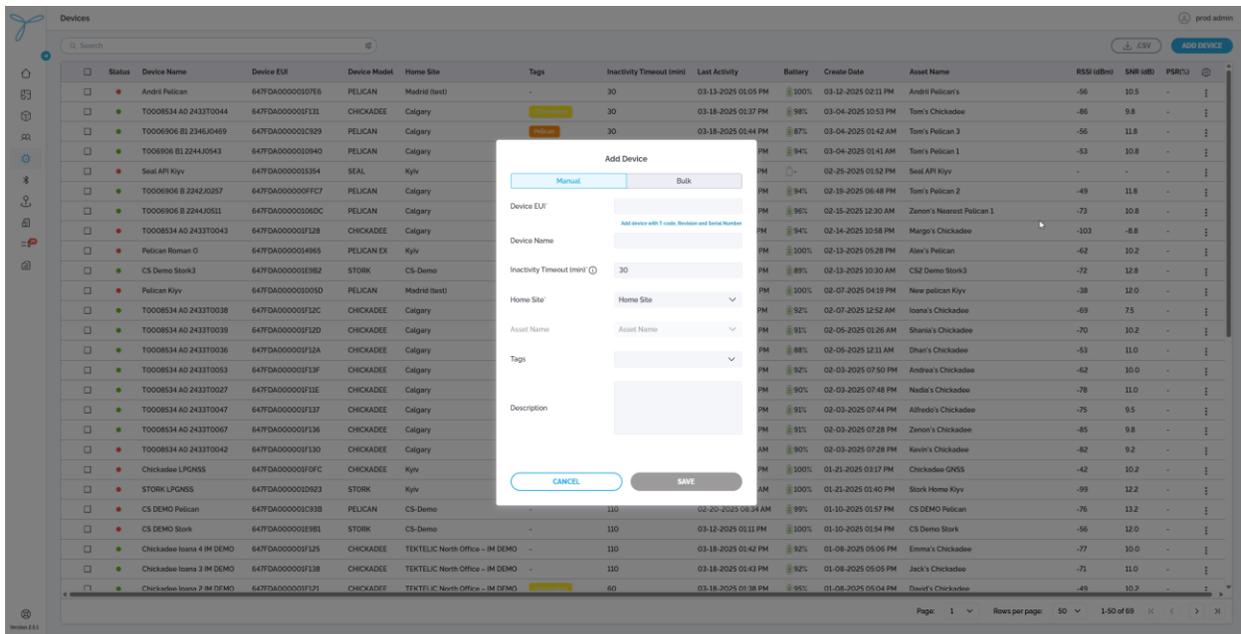
- Open the detailed view by clicking a device in the table (e.g., "TOO08534 AO 243370044").
- The detailed view provides tabs for **Details**, with information about the device and its associated asset, as well as indoor/outdoor location data.

6.3.1 Add New Device

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

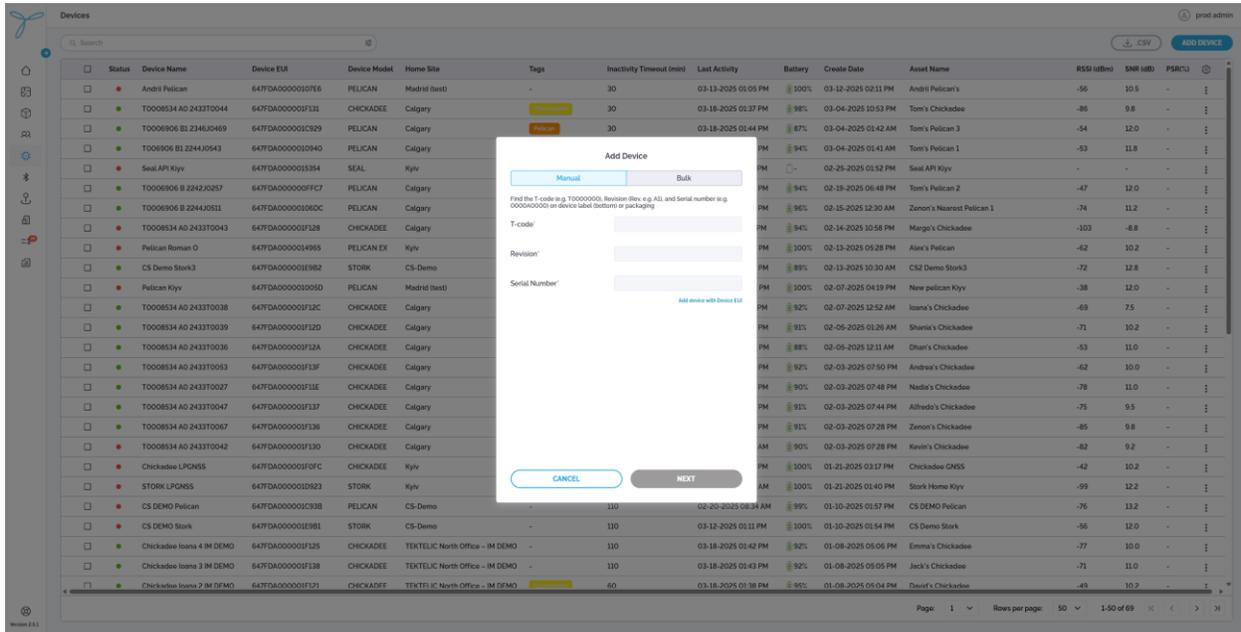
Modes:

- **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.



- **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 the 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.

| 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) |
|---------------|---------------------------|--------------------|--------------|---------------------------------|------|--------------------------|---------------------|---------|---------------------|---------------------------|------------|----------|---------|
| Andri Pelican | TOO08534 AO 243370044 | 647FDA000000017E6 | PELICAN | Madrid (east) | | 30 | 03-13-2025 01:05 PM | 100% | 03-12-2025 02:11 PM | Andri Pelican 1 | -56 | 10.5 | - |
| | TOO08534 AO 243370044 | 647FDA00000001711 | CHICKADEE | Calgary | | 30 | 03-18-2025 01:37 PM | 98% | 03-04-2025 10:53 PM | Tom's Chickadee | -86 | 9.8 | - |
| | TOO08534 AO 243370044 | 647FDA00000001329 | PELICAN | Calgary | | 30 | 03-18-2025 01:44 PM | 87% | 03-04-2025 01:42 AM | Tom's Pelican 3 | -54 | 12.8 | - |
| | TOO08534 AO 243370044 | 647FDA00000001940 | PELICAN | Calgary | | 30 | 03-18-2025 01:45 PM | 94% | 03-04-2025 01:41 AM | Tom's Pelican 1 | -51 | 11.0 | - |
| | Seal API Kyiv | 647FDA000000015354 | SEAL | Kyiv | | | | | 02-25-2025 01:52 PM | Seal API Kyiv | - | - | - |
| | TOO08534 AO 243370044 | 647FDA000000017C7 | PELICAN | Calgary | | | | 94% | 02-19-2025 06:48 PM | Tom's Pelican 2 | -47 | 12.2 | - |
| | TOO08534 AO 243370044 | 647FDA0000000160DC | PELICAN | Calgary | | | | 96% | 02-15-2025 12:30 AM | Zanon's Nearest Pelican 1 | -74 | 11.2 | - |
| | TOO08534 AO 243370044 | 647FDA00000001728 | CHICKADEE | Calgary | | | | 94% | 02-14-2025 10:56 PM | Margo's Chickadee | -103 | -8.8 | - |
| | Pelican Roman O | 647FDA000000014965 | PELICAN EX | Kyiv | | | | 100% | 02-13-2025 09:28 PM | Alex's Pelican | -62 | 10.2 | - |
| | CS Demo Stork3 | 647FDA000000013982 | STORK | CS-Demo | | | | 89% | 02-13-2025 10:30 AM | CS2 Demo Stork3 | -72 | 12.8 | - |
| | Pelican Kyiv | 647FDA00000001050D | PELICAN | Madrid (east) | | | | 100% | 02-07-2025 04:19 PM | New pelican Kyiv | -38 | 12.0 | - |
| | TOO08534 AO 243370038 | 647FDA0000000121C | CHICKADEE | Calgary | | | | 92% | 02-07-2025 12:52 AM | Isana's Chickadee | -69 | 7.5 | - |
| | TOO08534 AO 243370036 | 647FDA0000000171D | CHICKADEE | Calgary | | | | 91% | 02-05-2025 01:26 AM | Shania's Chickadee | -71 | 10.2 | - |
| | TOO08534 AO 243370036 | 647FDA0000000171A | CHICKADEE | Calgary | | | | 88% | 02-05-2025 12:11 AM | Dhan's Chickadee | -53 | 11.0 | - |
| | TOO08534 AO 243370053 | 647FDA0000000171F | CHICKADEE | Calgary | | | | 92% | 02-03-2025 07:50 PM | Andrew's Chickadee | -62 | 10.0 | - |
| | TOO08534 AO 243370027 | 647FDA0000000171E | CHICKADEE | Calgary | | | | 90% | 02-03-2025 07:48 PM | Nadia's Chickadee | -78 | 11.0 | - |
| | TOO08534 AO 243370047 | 647FDA00000001717 | CHICKADEE | Calgary | | | | 91% | 02-03-2025 07:44 PM | Alfredo's Chickadee | -75 | 9.5 | - |
| | TOO08534 AO 243370067 | 647FDA000000017136 | CHICKADEE | Calgary | | | | 91% | 02-03-2025 07:28 PM | Zanon's Chickadee | -85 | 9.8 | - |
| | TOO08534 AO 243370042 | 647FDA000000017130 | CHICKADEE | Calgary | | | | 90% | 02-03-2025 07:28 PM | Kavin's Chickadee | -82 | 9.2 | - |
| | Chickadee LFGNSS | 647FDA0000000170FC | CHICKADEE | Kyiv | | | | 100% | 01-21-2025 03:17 PM | Chickadee GNSS | -42 | 10.2 | - |
| | STORK LFGNSS | 647FDA000000012923 | STORK | Kyiv | | 110 | 01-22-2025 10:38 AM | 100% | 01-21-2025 01:40 PM | Stork Home Kyiv | -99 | 12.2 | - |
| | CS DEMO Pelican | 647FDA00000001338 | 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 | 647FDA000000013981 | STORK | CS-Demo | | 110 | 03-12-2025 01:13 PM | 100% | 01-10-2025 01:54 PM | CS Demo Stork | -56 | 12.0 | - |
| | Chickadee Isana 4 IM DEMO | 647FDA000000017125 | CHICKADEE | TEKTELIC North Office - IM DEMO | | 110 | 03-18-2025 01:42 PM | 92% | 01-08-2025 05:06 PM | Emma's Chickadee | -77 | 10.0 | - |
| | Chickadee Isana 3 IM DEMO | 647FDA000000017138 | CHICKADEE | TEKTELIC North Office - IM DEMO | | 110 | 03-18-2025 01:43 PM | 92% | 01-08-2025 05:05 PM | Jack's Chickadee | -71 | 11.0 | - |
| | Chickadee Isana 2 IM DEMO | 647FDA000000017121 | CHICKADEE | TEKTELIC North Office - IM DEMO | | 80 | 03-18-2025 01:38 PM | 95% | 01-08-2025 05:04 PM | David's Chickadee | -49 | 10.2 | - |

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 shows a 'Devices' management interface with a table of devices and an 'Edit Device' modal window. The table has 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 (dB). The modal window is open for device 'TOO08534 AO 243370044' and shows fields for Device EUI, Device Name, Inactivity Timeout (min), Home Site, Asset Name, Tags, and Description.

| 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) |
|--------|---------------------------|-------------------|--------------|---------------------------------|-----------|--------------------------|---------------------|---------|---------------------|---------------------------|------------|----------|----------|
| ● | Andri Pelican | 647FDA00000007E6 | PELICAN | Madrid (test) | - | 30 | 03-13-2025 01:05 PM | 100% | 03-12-2025 02:11 PM | Andri Pelican's | -66 | 10.5 | - |
| ● | TOO08534 AO 243370044 | 647FDA0000000F131 | CHICKADEE | Calgary | Chickadee | 30 | 03-18-2025 01:57 PM | 98% | 03-04-2025 10:53 PM | Tom's Chickadee | -85 | 10.2 | - |
| ● | TOO06906 BI 2346J0469 | 647FDA0000000C329 | PELICAN | Calgary | Pelican | 30 | 03-18-2025 02:03 PM | 87% | 03-04-2025 01:42 AM | Tom's Pelican 3 | -54 | 11.8 | - |
| ● | TOO06906 BI 2244J0543 | 647FDA00000002940 | PELICAN | Calgary | Pelican | 30 | 03-18-2025 02:03 PM | 94% | 03-04-2025 01:41 AM | Tom's Pelican 1 | -55 | 12.0 | - |
| ● | Seal API Kiyy | 647FDA00000005354 | SEAL | Kyiv | - | - | - | - | 02-25-2025 01:52 PM | Seal API Kiyy | - | - | - |
| ● | TOO06906 B 2242J0257 | 647FDA000000007C7 | PELICAN | Calgary | - | - | - | - | 02-19-2025 06:48 PM | Tom's Pelican 2 | -47 | 9.2 | - |
| ● | TOO06906 B 2244J0511 | 647FDA0000000050C | PELICAN | Calgary | - | - | - | - | 02-15-2025 12:30 AM | Zeron's Nearest Pelican 1 | -73 | 11.0 | - |
| ● | TOO08534 AO 243370043 | 647FDA00000005128 | CHICKADEE | Calgary | - | - | - | - | 02-14-2025 10:56 PM | Margo's Chickadee | -105 | -5.5 | - |
| ● | Pelican Roman O | 647FDA00000004965 | PELICAN EX | Kyiv | - | - | - | - | 02-13-2025 05:28 PM | Alex's Pelican | -62 | 10.2 | - |
| ● | CS Demo Stork3 | 647FDA00000003382 | STORK | CS-Demo | - | - | - | - | 02-13-2025 10:30 AM | CS2 Demo Stork3 | -72 | 12.8 | - |
| ● | Pelican Kiyy | 647FDA0000000050D | PELICAN | Madrid (test) | - | - | - | - | 02-07-2025 04:19 PM | New pelican Kiyy | -38 | 12.0 | - |
| ● | TOO08534 AO 243370038 | 647FDA0000000712C | CHICKADEE | Calgary | - | - | - | - | 02-07-2025 12:52 AM | Isana's Chickadee | -70 | 9.8 | - |
| ● | TOO08534 AO 243370039 | 647FDA0000000912D | CHICKADEE | Calgary | - | - | - | - | 02-05-2025 01:26 AM | Shania's Chickadee | -71 | 9.5 | - |
| ● | TOO08534 AO 243370036 | 647FDA0000000912A | CHICKADEE | Calgary | - | - | - | - | 02-05-2025 12:11 AM | Dhan's Chickadee | -59 | 10.0 | - |
| ● | TOO08534 AO 243370053 | 647FDA0000000513F | CHICKADEE | Calgary | - | - | - | - | 02-03-2025 07:50 PM | Andrea's Chickadee | -63 | 7.5 | - |
| ● | TOO08534 AO 243370027 | 647FDA0000000511E | CHICKADEE | Calgary | - | - | - | - | 02-03-2025 07:48 PM | Nader's Chickadee | -77 | 10.8 | - |
| ● | TOO08534 AO 243370047 | 647FDA00000005117 | CHICKADEE | Calgary | - | - | - | - | 02-03-2025 07:44 PM | Alfredo's Chickadee | -77 | 8.0 | - |
| ● | TOO08534 AO 243370067 | 647FDA00000005136 | CHICKADEE | Calgary | - | - | - | - | 02-03-2025 07:28 PM | Zeron's Chickadee | -85 | 9.2 | - |
| ● | TOO08534 AO 243370042 | 647FDA00000005130 | CHICKADEE | Calgary | - | - | - | - | 02-03-2025 07:28 PM | Kevin's Chickadee | -82 | 9.2 | - |
| ● | Chickadee LPGN55 | 647FDA000000050FC | CHICKADEE | Kyiv | - | - | - | - | 01-21-2025 03:17 PM | Chickadee CNS5 | -42 | 10.2 | - |
| ● | STORK LPGN55 | 647FDA00000005083 | STORK | Kyiv | - | 110 | 01-22-2025 10:39 AM | 100% | 01-21-2025 01:40 PM | Stork Home Kiyy | -99 | 12.2 | - |
| ● | CS DEMO Pelican | 647FDA0000000338B | 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 | 647FDA00000005081 | 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 | 647FDA00000005125 | CHICKADEE | 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 | 647FDA00000005138 | CHICKADEE | 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 | 647FDA00000005121 | CHICKADEE | TEKTELIC North Office - IM DEMO | Chickadee | 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 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.

The screenshot shows the detailed view of a device, 'TOO08534 AO 243370044'. The left sidebar contains 'Device Info' and 'Indoor Location' details. The main area shows a floor plan map with a device location marker. An 'Edit Device' modal window is open, showing fields for Device EUI, Device Name, Inactivity Timeout (min), Home Site, Asset Name, Tags, and Description.

| Field | Value |
|--------------------------|-----------------------|
| Device EUI | 647FDA0000000F131 |
| Device Name | TOO08534 AO 243370044 |
| Inactivity Timeout (min) | 30 |
| Home Site | Calgary |
| Asset Name | |
| Tags | Chickadee |
| Description | TOO08534 AO 243370044 |

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:

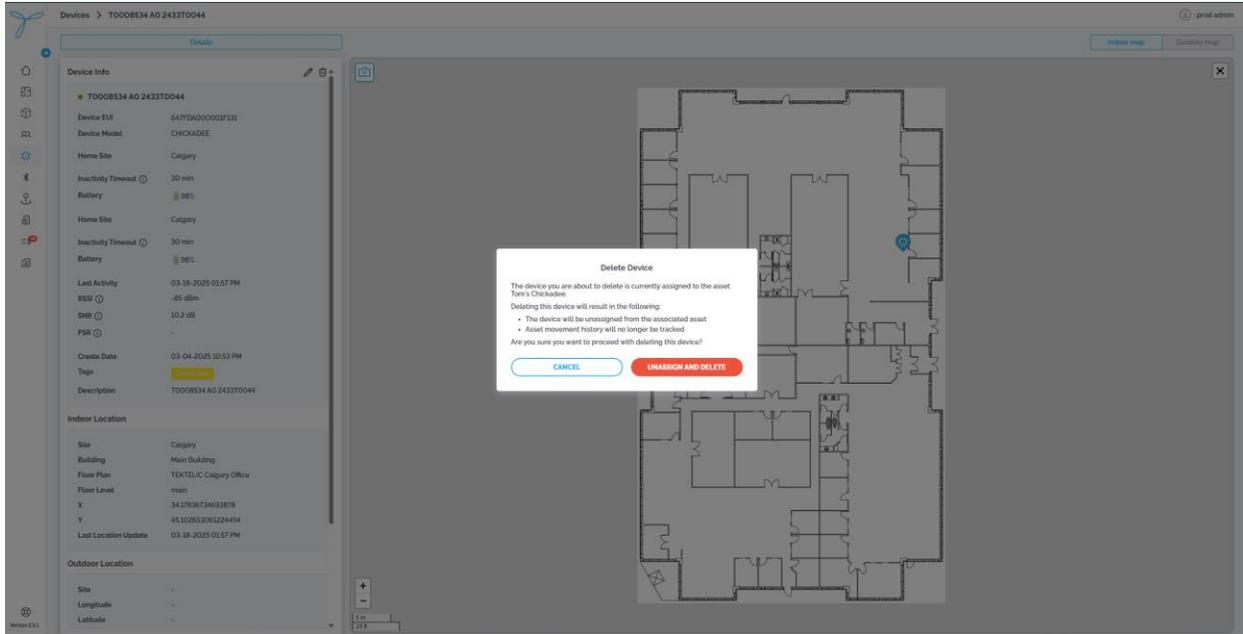
- **From Main Table:**
 - **Steps:**
 1. Click the **More Actions (...)** button next to a device (e.g., "TOO08534 AO 243370044") in the table.
 2. Select **Delete** from the context menu to open the **Confirm Delete Device** modal.
 3. Review the warning about permanent deletion and its impacts (unpairing 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 displays a web application interface for managing devices. At the top, there is a search bar and a navigation menu. The main content is a table with the following 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(%) with a trash icon. The table contains 25 rows of device data. A context menu is open over the device 'TOO08534 AO 243370044', showing options for 'Edit' and 'Delete'. The 'Delete' option is highlighted. The bottom of the interface shows pagination information: Page 1, Rows per page: 50, 1-50 of 69.

| 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 B1 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 B1 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 | - |
| ❌ | Seat API Kyiv | 647FDA0000000354 | SEAL | Kyiv | SEA | 30 | 03-13-2025 12:35 PM | - | 02-25-2025 01:52 PM | Seat API Kyiv | - | - | - |
| ✅ | TOO06906 B 2242J0257 | 647FDA00000007FC7 | PELICAN | Calgary | SEA | 30 | 03-18-2025 02:04 PM | 94% | 02-19-2025 06:48 PM | Tom's Pelican 2 | -47 | 9.0 | - |
| ✅ | TOO06906 B 2244J0511 | 647FDA000000050DC | 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 | 647FDA00000005128 | 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 | Kyiv | - | 110 | 02-14-2025 07:33 PM | 100% | 02-13-2025 05:28 PM | Alex's Pelican | -62 | 10.2 | - |
| ❌ | CS Demo Stork3 | 647FDA00000005982 | STORK | C5-Demo | SEA | 110 | 03-18-2025 01:22 PM | 89% | 02-13-2025 10:30 AM | CS2 Demo Stork3 | -72 | 12.8 | - |
| ❌ | Pelican Kyiv | 647FDA0000000505D | PELICAN | Madrid (test) | SEA | 5 | 02-28-2025 04:31 PM | 100% | 02-07-2025 04:19 PM | New pelican Kyiv | -38 | 12.0 | - |
| ✅ | TOO08534 AO 243370038 | 647FDA0000000912C | CHICKADEE | Calgary | Chickadee | 60 | 03-18-2025 02:01 PM | 92% | 02-07-2025 12:52 AM | Ioana'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 | 647FDA000000090FC | CHICKADEE | Kyiv | - | 110 | 05-21-2025 05:53 PM | 100% | 01-21-2025 03:17 PM | Chickadee GNS5 | -42 | 10.2 | - |
| ❌ | STORK LPCNS5 | 647FDA00000009293 | 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 | 647FDA0000000933B | 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 | 647FDA00000009381 | STORK | C5-Demo | - | 110 | 03-12-2025 01:11 PM | 100% | 01-10-2025 01:54 PM | CS Demo Stork | -56 | 12.0 | - |
| ✅ | Chickadee Ioana 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 Ioana 3 IM DEMO | 647FDA00000009138 | 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 Ioana 2 IM DEMO | 647FDA00000009121 | CHICKADEE | TEKTELIC North Office - IM DEMO | Chickadee | 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.

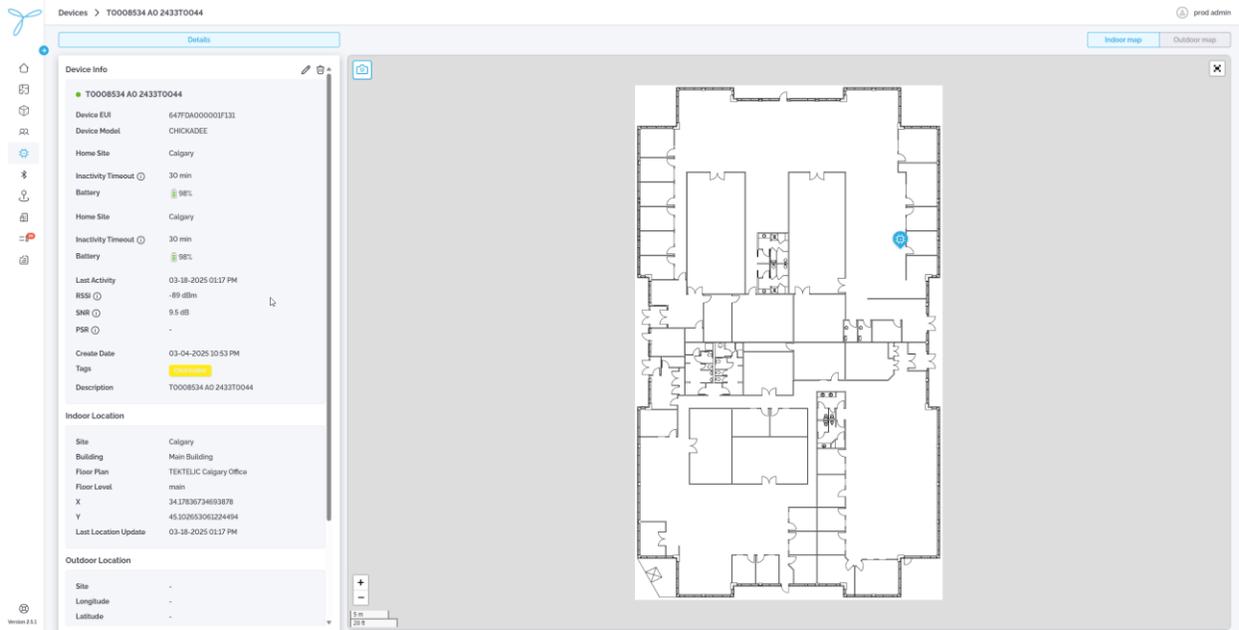
3. Review the warning about permanent deletion and its impacts (unpairing from assets, data loss).
 4. Click **Delete** to confirm; **Cancel** to abort.
- **Expectations:** Same as above.



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

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.

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"/> | Madrid (test) | 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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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) (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"/> | Madrid (test) | 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

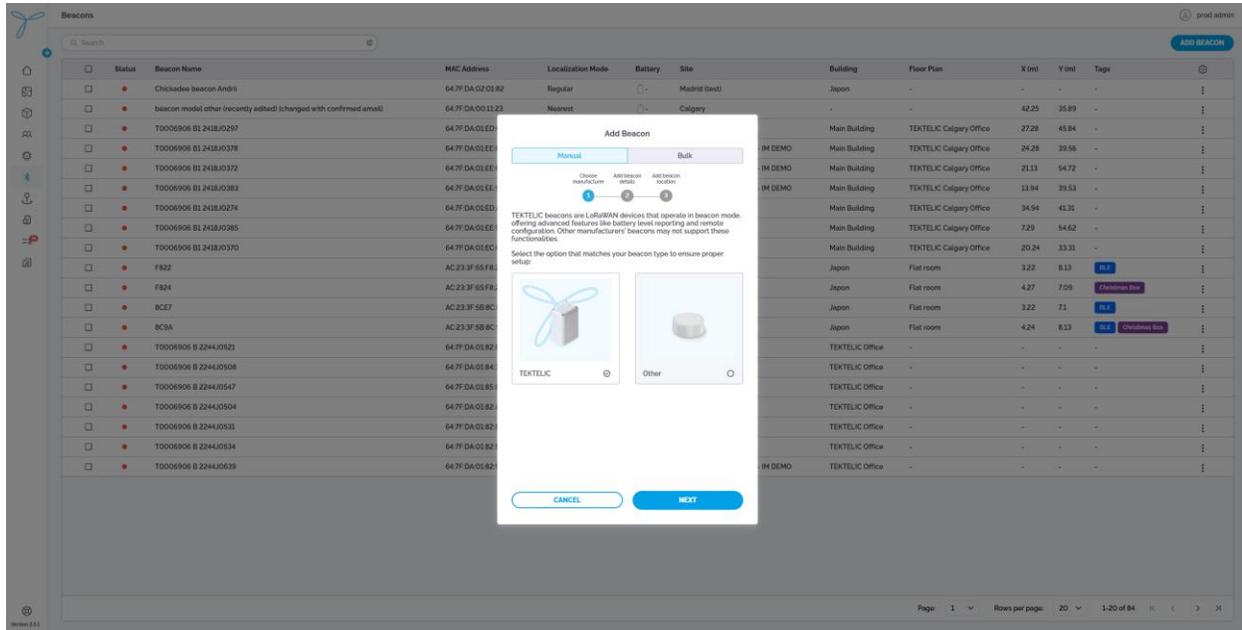
Page: 1 Rows per page: 20 1-20 of 84

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

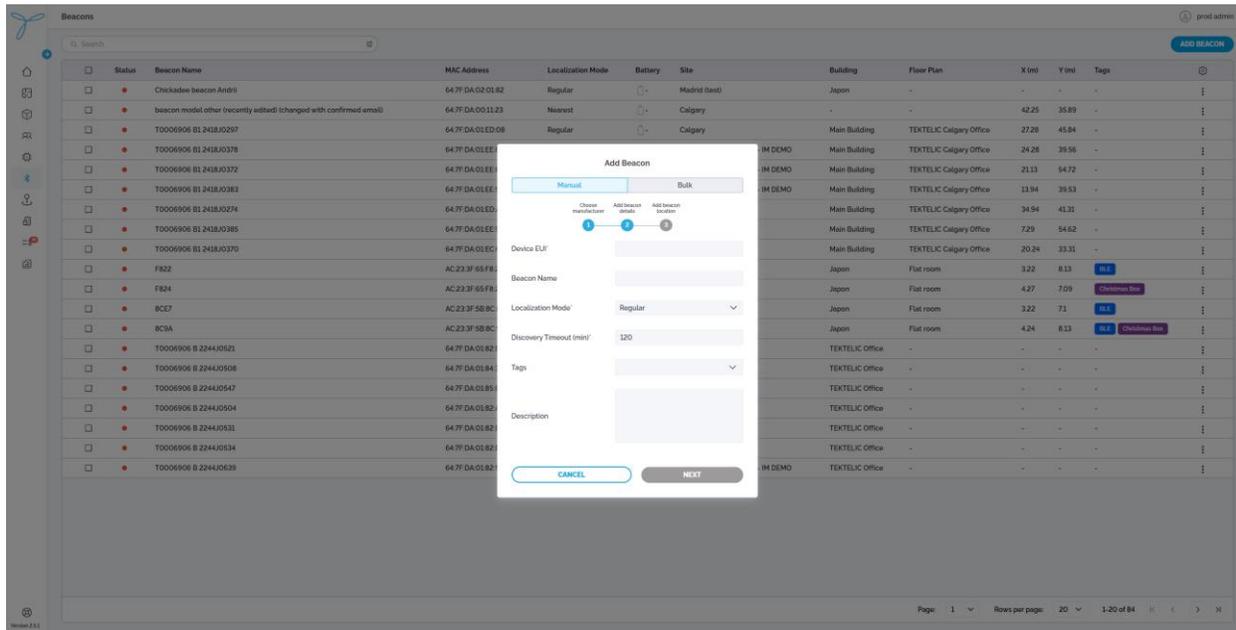
Conditions: You need admin permissions or explicit rights to add beacons.



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 the 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 attributes.

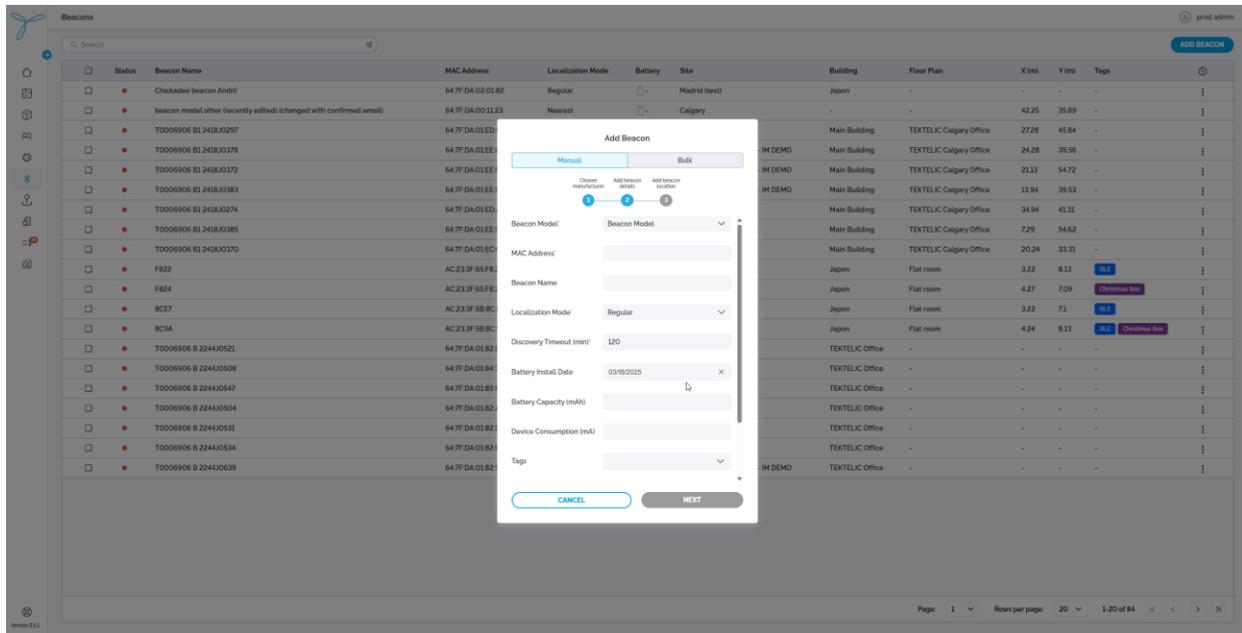


- **3rd Party:**

- **Steps:**

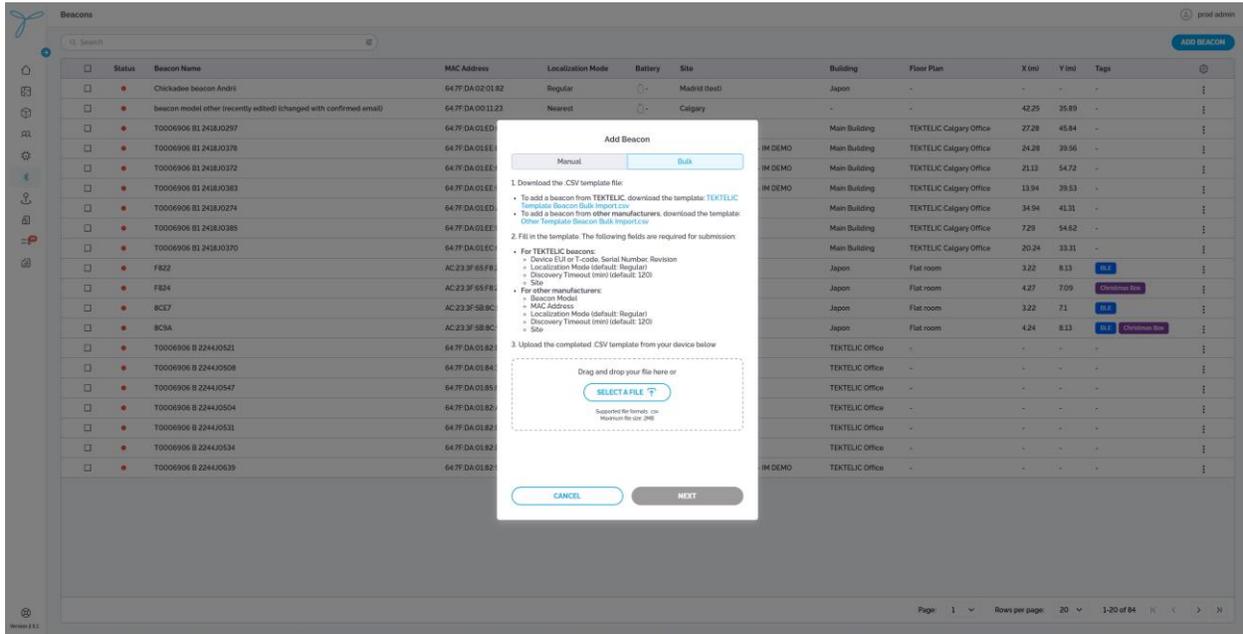
1. Click the **Add Beacon** button.
2. In the **Add Beacon** modal, ensure the **Manual** tab is selected.
3. Select **Other** as the manufacturer.
4. Enter the following fields (marked with * are required):
 - **Beacon Model*** (Required): Select from the dropdown (e.g., AC23F-65F-8F24, AC23F-58-BC-E7).
 - **MAC Address*** (Required): Input the beacon's MAC address (e.g., "64:7F:DA:01:82:02").
 - **Localization Mode*** (Required): Select from the 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 attributes.



- **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.



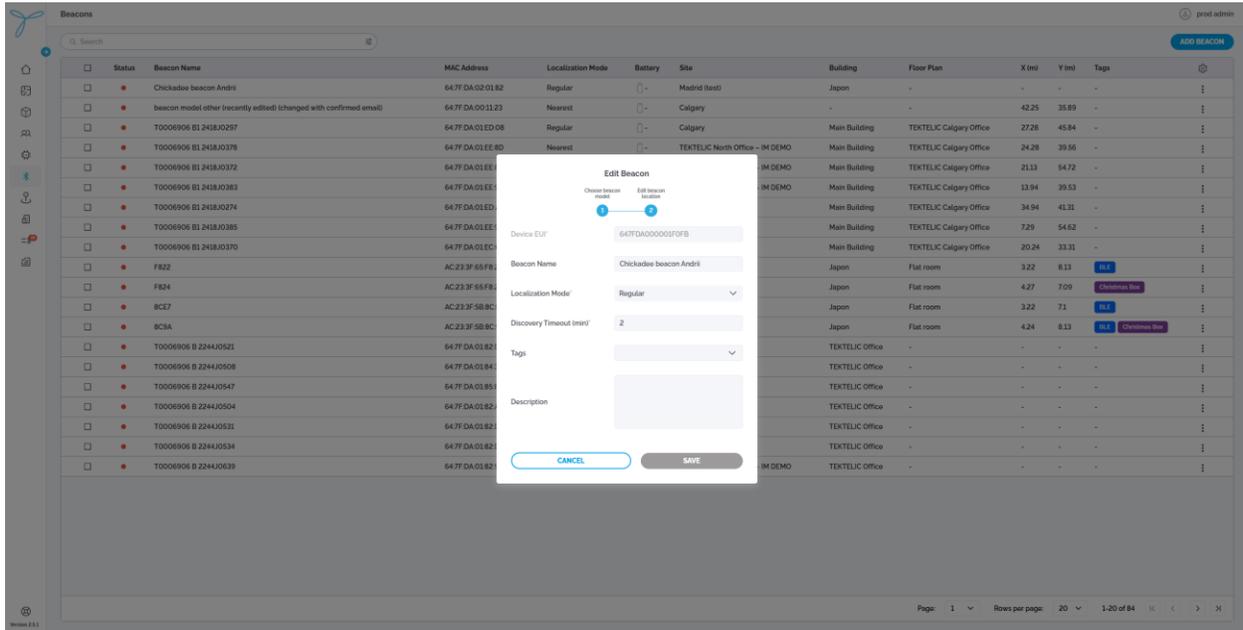
6.4.2 Edit Beacon

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

Modes:

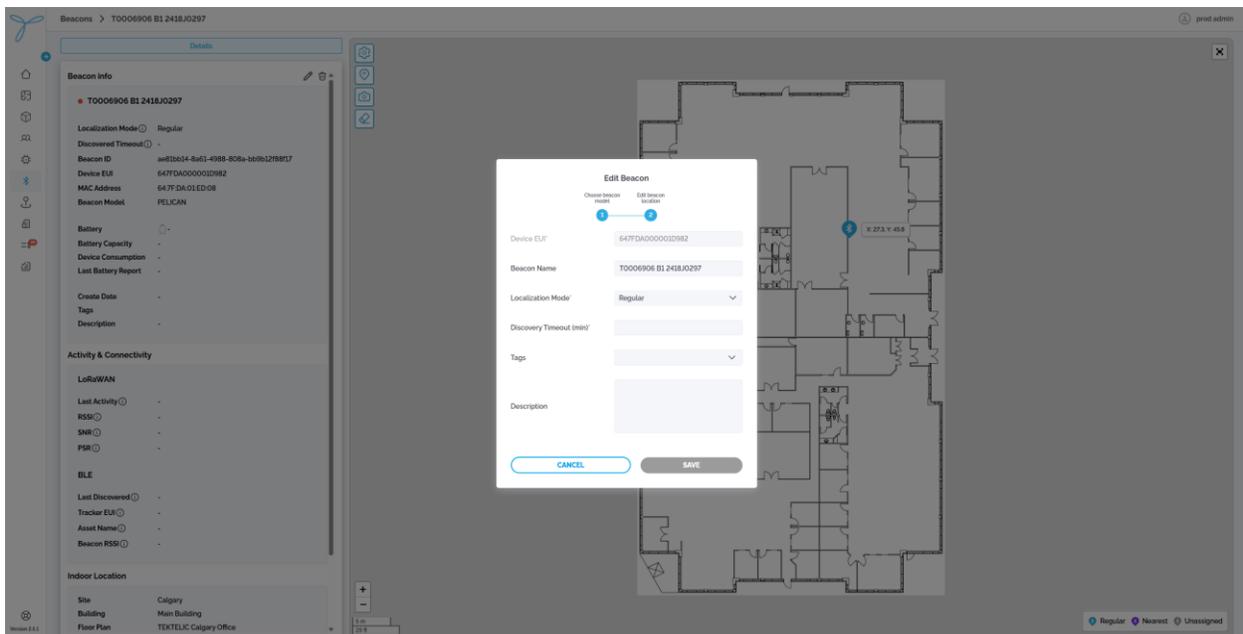
- **From Main Table:**
 - **Steps:**
 1. Click the **More Actions (...)** button next to a beacon (e.g., "Chickadee beacon Andrii") in the table.
 2. Select **Edit** from the context menu to open the edit modal.
 3. Update the following fields:
 - **Beacon Name** (Editable): Update the name.
 - **Localization 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.



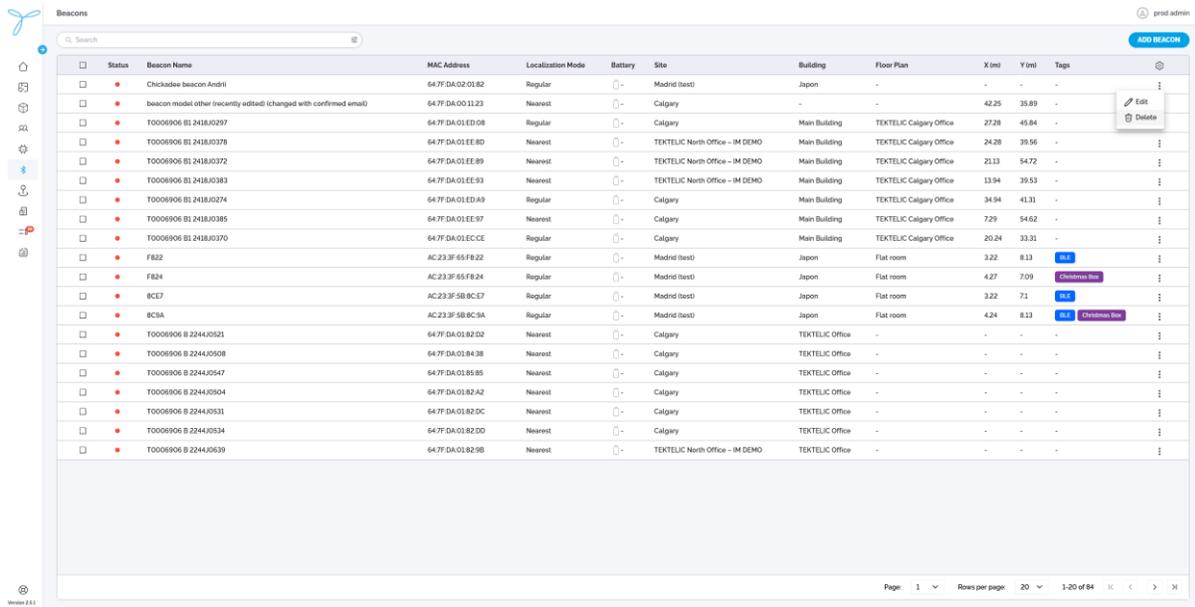
6.4.3 Delete Beacon

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.



The screenshot displays the 'Beacons' management interface. At the top, there is a search bar and a user profile for 'prof admin'. Below the search bar is a table with columns: Status, Beacon Name, MAC Address, Localization Mode, Battery, Site, Building, Floor Plan, X (m), Y (m), and Tags. The table contains 20 rows of beacon data. A context menu is open over the first row, showing 'Edit' and 'Delete' options. The bottom of the interface shows pagination information: 'Page: 1', 'Rows per page: 20', and '1-20 of 84'.

| 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 2418.0297 | 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 2418.0376 | 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 2418.0372 | 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 2418.0383 | 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 2418.0274 | 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 2418.0385 | 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 2418.0370 | 64:7F:DA:01:EE:C2 | 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 | View |
| <input type="checkbox"/> | F824 | AC:23:3F:65:F8:24 | Regular | <input type="checkbox"/> | Madrid (test) | Japon | Flat room | 4.27 | 7.09 | View Claim this beacon |
| <input type="checkbox"/> | BCE7 | AC:23:3F:5B:9C:E7 | Regular | <input type="checkbox"/> | Madrid (test) | Japon | Flat room | 3.22 | 7.1 | View |
| <input type="checkbox"/> | BCEA | AC:23:3F:5B:9C:9A | Regular | <input type="checkbox"/> | Madrid (test) | Japon | Flat room | 4.24 | 8.13 | View Claim this beacon |
| <input type="checkbox"/> | T0006906 B 2244.0521 | 64:7F:DA:01:82:D2 | Nearest | <input type="checkbox"/> | Calgary | TEKTELIC Office | - | - | - | |
| <input type="checkbox"/> | T0006906 B 2244.0508 | 64:7F:DA:01:84:38 | Nearest | <input type="checkbox"/> | Calgary | TEKTELIC Office | - | - | - | |
| <input type="checkbox"/> | T0006906 B 2244.0547 | 64:7F:DA:01:85:85 | Nearest | <input type="checkbox"/> | Calgary | TEKTELIC Office | - | - | - | |
| <input type="checkbox"/> | T0006906 B 2244.0504 | 64:7F:DA:01:82:A2 | Nearest | <input type="checkbox"/> | Calgary | TEKTELIC Office | - | - | - | |
| <input type="checkbox"/> | T0006906 B 2244.0531 | 64:7F:DA:01:82:DC | Nearest | <input type="checkbox"/> | Calgary | TEKTELIC Office | - | - | - | |
| <input type="checkbox"/> | T0006906 B 2244.0534 | 64:7F:DA:01:82:DD | Nearest | <input type="checkbox"/> | Calgary | TEKTELIC Office | - | - | - | |
| <input type="checkbox"/> | T0006906 B 2244.0539 | 64:7F:DA:01:82:9B | Nearest | <input type="checkbox"/> | TEKTELIC North Office - IM DEMO | TEKTELIC Office | - | - | - | |

- **From Detailed View:**
 - **Steps:**
 1. Open the detailed view of a beacon (e.g., "Chickadee beacon Andrii").
 2. Click the trash icon (next to the pencil icon) 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:** Same as above.

6.4.4 Detailed view

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:** -

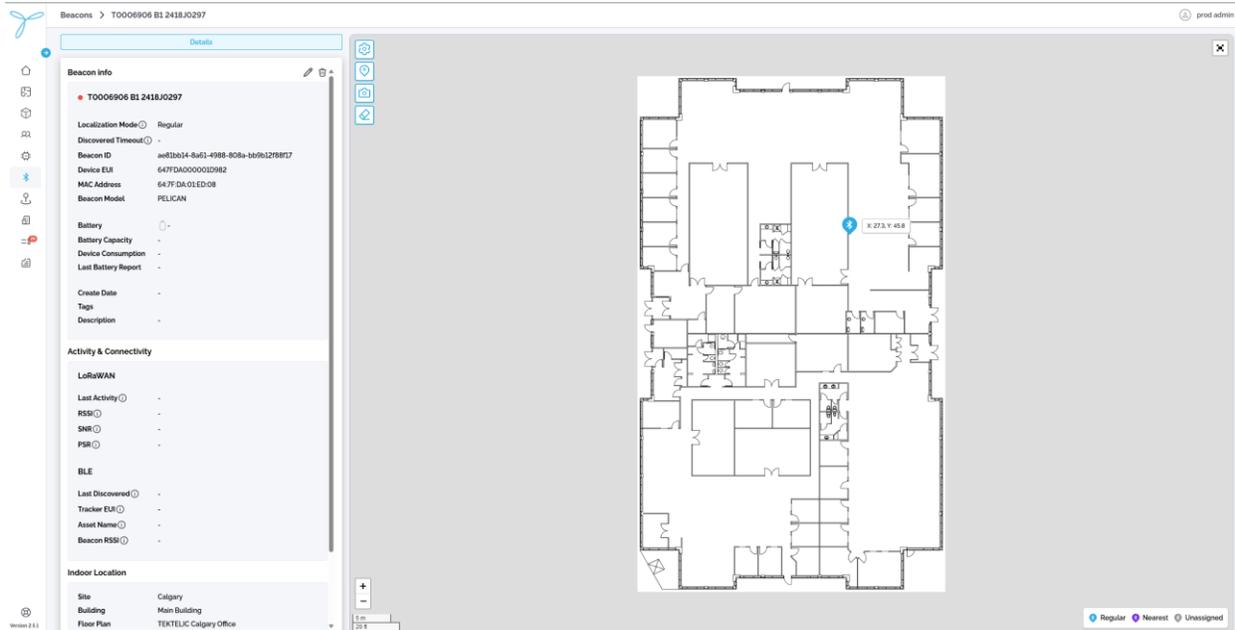
Indoor Location

- **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:**e.g. 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 of geofences 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 TEKTELIC Support <https://knowledgehub.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

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 prod admin

Search ADD SITE

| Site Name | Assets Inside | Tags | |
|---------------------------------|---------------|------|-----|
| Calgary | 1 | - | |
| Kyiv | - | - | |
| Private Residence 1 | - | - | |
| TEKTELIC North Office - IM DEMO | - | - | |
| CS-Demo | - | - | |
| Dubai | - | - | |
| Madrid (test) | - | - | ADD |

Page: 1 Rows per page: 50 1-7 of 7

Sites prod admin

Search ADD SITE

| Site Name | Assets Inside | Tags | Site ID | Create Date |
|---------------------------------|---------------|------|---------------------------------------|---------------------|
| Calgary | 1 | - | d6289fa0-86a1-4006-9548-584bb18156bc | - |
| Kyiv | - | - | 0d89b405-205f-45ee-9c28-524c44bdf9b | - |
| Private Residence 1 | - | - | 18c20a03-8773-4341-8460-bc789fa756e1 | - |
| TEKTELIC North Office - IM DEMO | - | - | cc17a3ee-7586-4e44-988c-d4930a627bdcf | - |
| CS-Demo | - | - | 542e54c1-b4d0-45da-a278-ea70a275e9ba | - |
| Dubai | - | - | d61c1307-a669-48d0-8770-d56e8f91c703 | - |
| Madrid (test) | - | ADD | 99fd1378-eaf1-4400-ebb5-7c52a045d8c7 | 02-07-2025 03:00 PM |

Table preferences

Site Name

Assets Inside

Tags

Site ID

Create Date

CANCEL SAVE

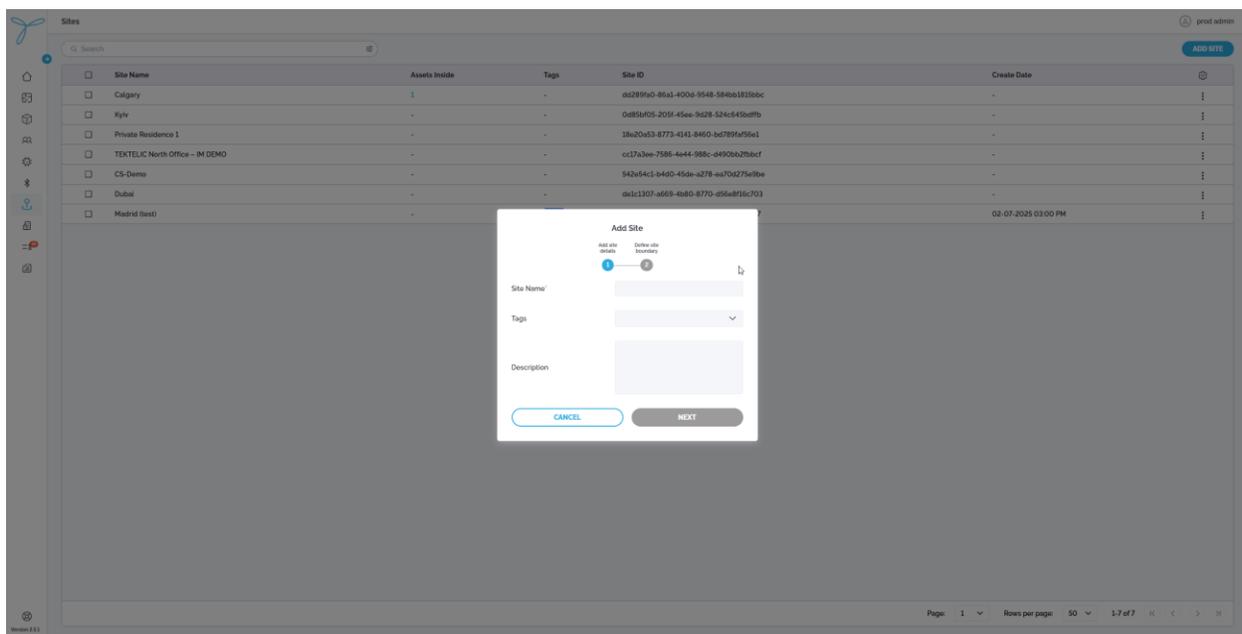
Page: 1 Rows per page: 50 1-7 of 7

6.5.1 Add New Site

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

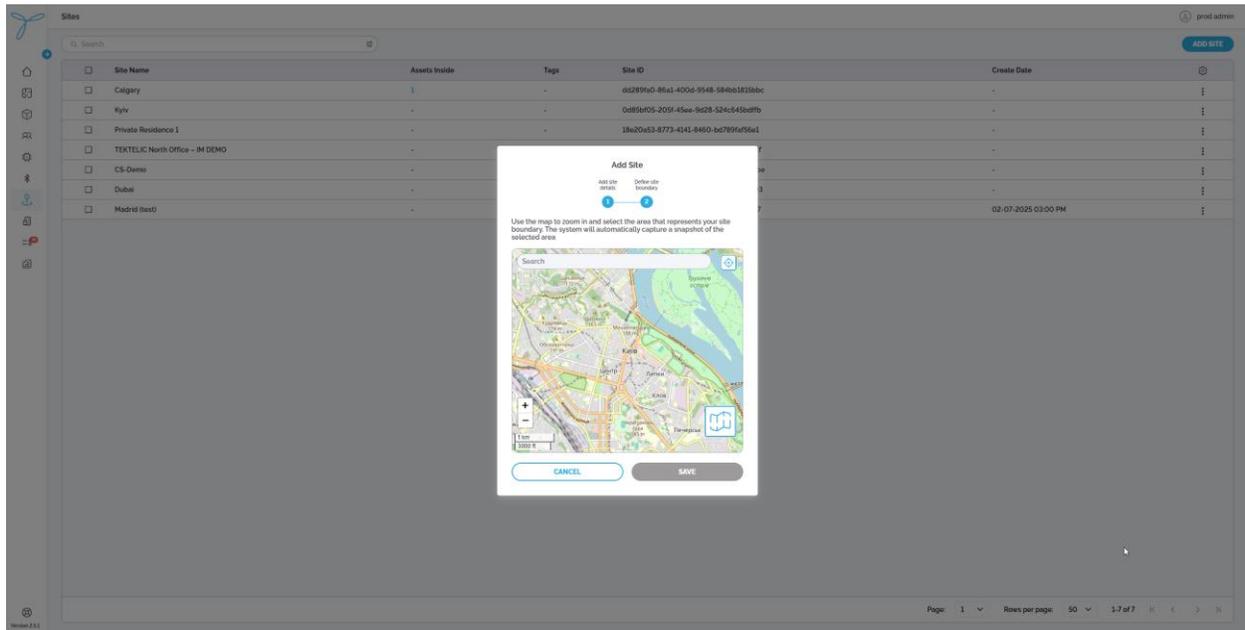
Steps:

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 the 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.



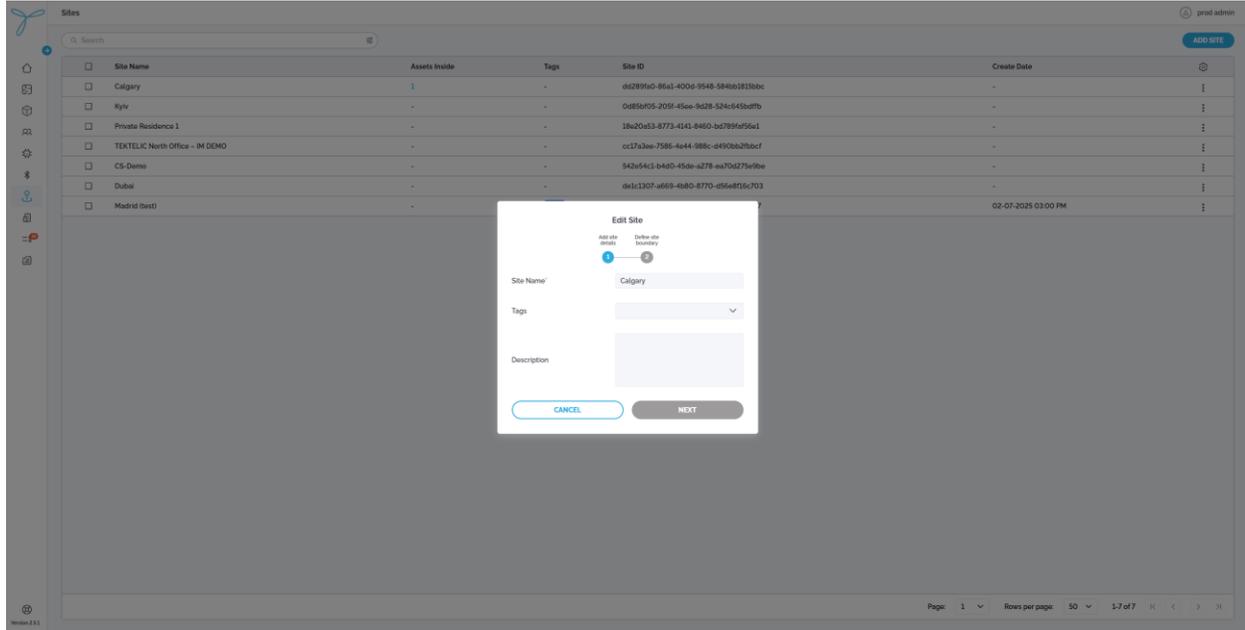
6.5.2 Edit Site

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

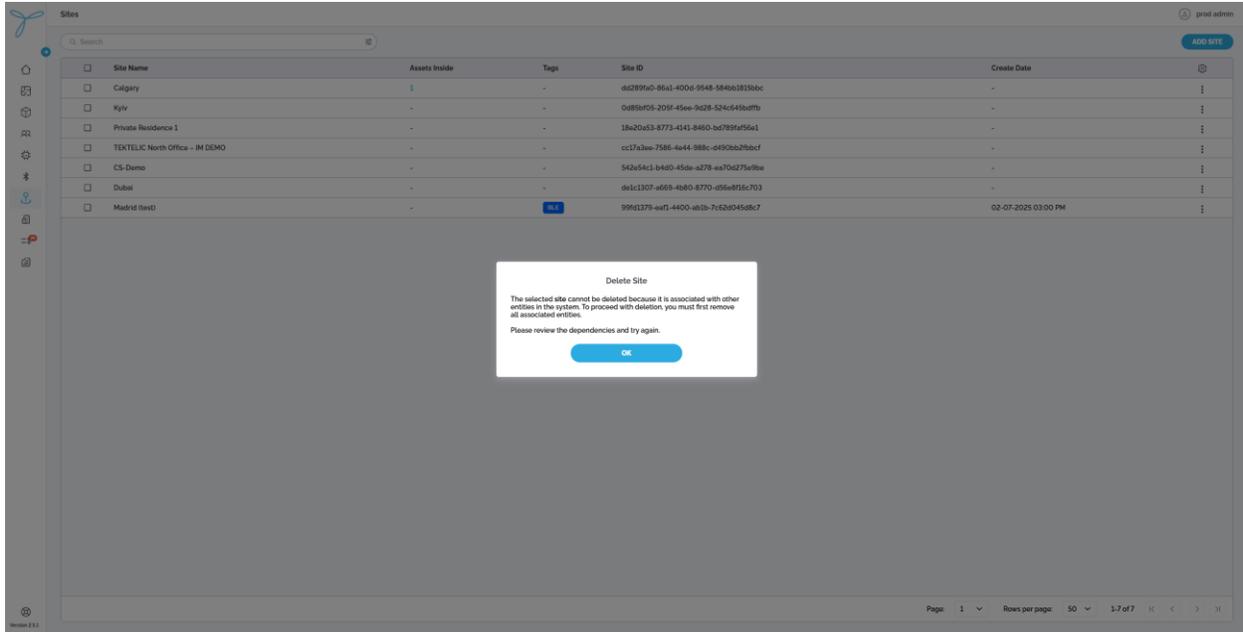
Conditions: You need admin permissions or explicit rights to delete sites. The site must not be linked to active buildings, assets, or geofences.

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 the 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.



6.6 Buildings

Key Features and Functions

List View (Main Table)

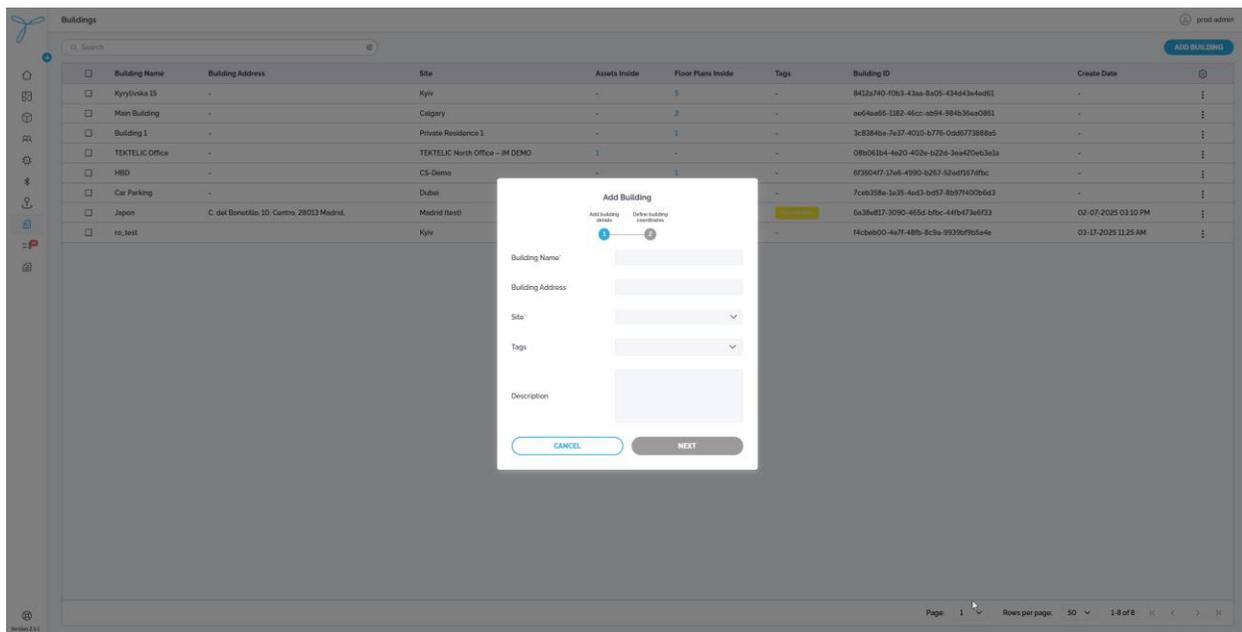
- The table displays all buildings with the following default columns: Building Name, Building Address, Site, Assets Inside, Floor Plans Inside, Tags, Building ID, Create Date.
- **Column Configuration (Table Preferences):**
 - Click the gear icon to open the **Table Preferences** modal.
 - Select which 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).

6.6.1 Add New Building

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

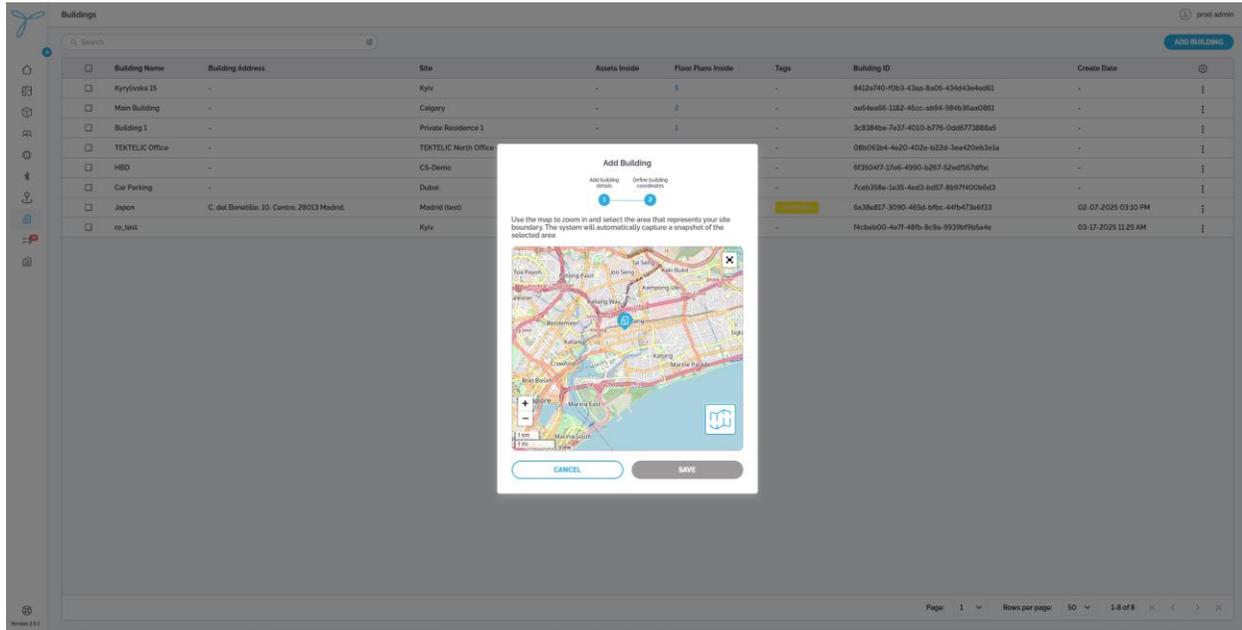
Steps:

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 the dropdown or add a new site (e.g., "Kyiv (test)").
 - **Tags:** Select from the 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.



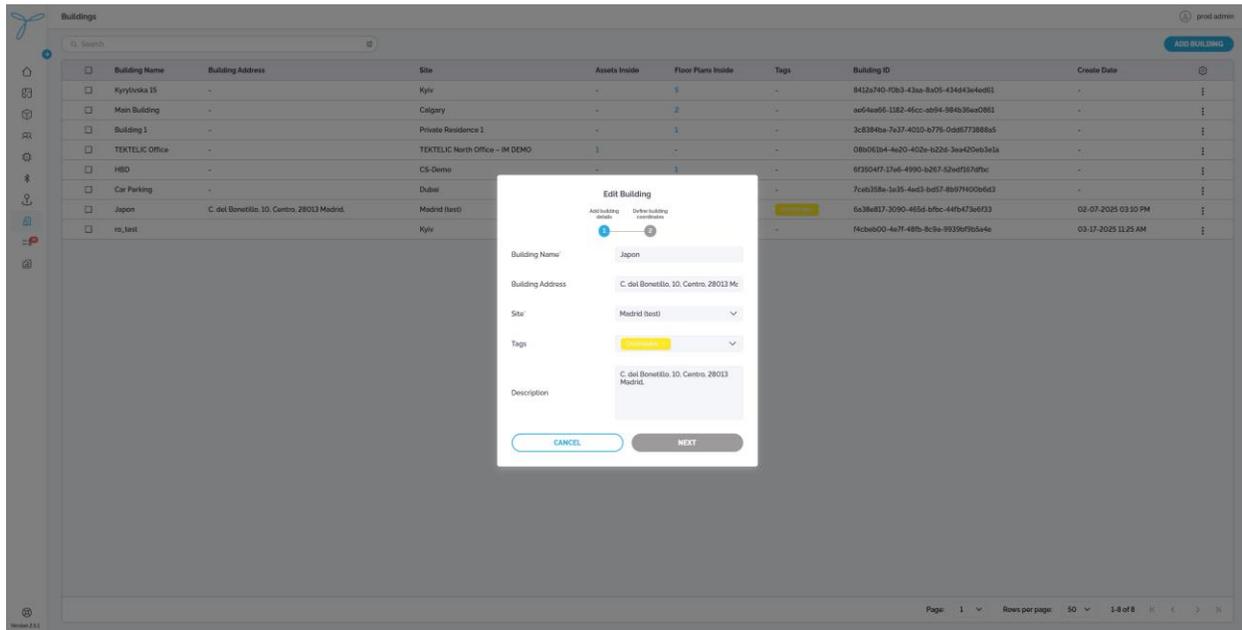
6.6.2 Edit Building

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

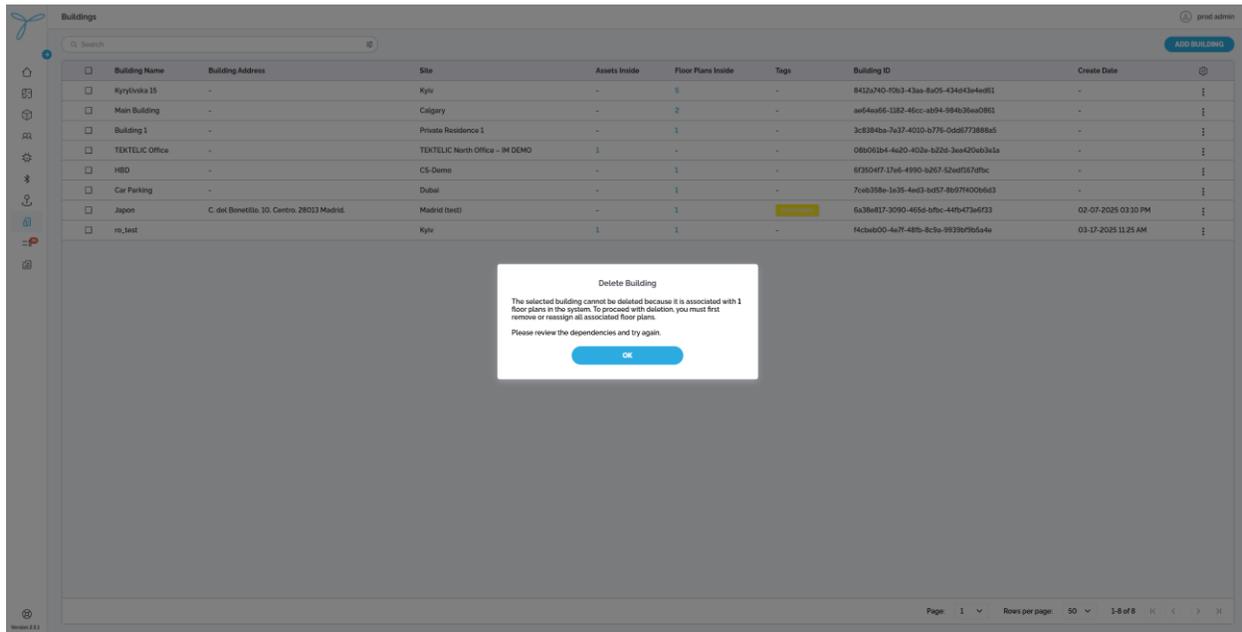
Conditions: You need admin permissions or explicit rights to delete buildings. The building must not be linked to active floor plans, assets, or beacons.

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 the 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

Key Features and Functions

Tabs and Sections

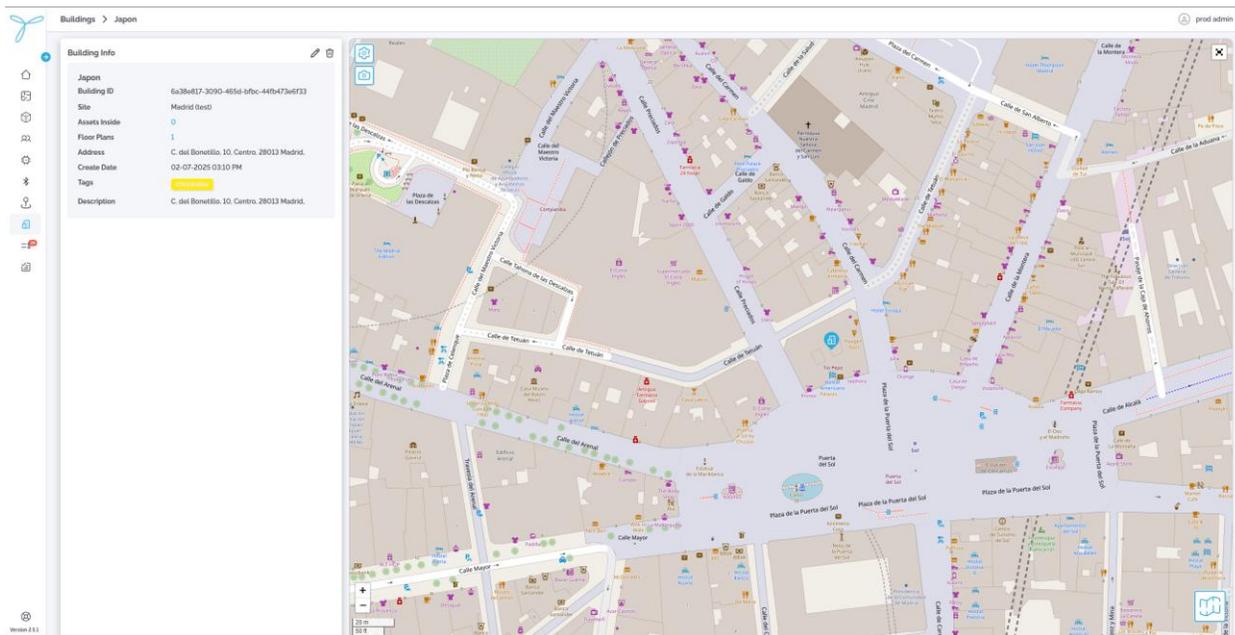
- **Details Tab:**
 - Displays comprehensive information about the selected building, organized into sections.

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

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 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 12:36 PM | Asset enters geofence | Andril Pelican's | Madrid (test) | Japon | Flat room | Pelican Kiyv |
| 03-13-2025 12:34 PM | Asset exits geofence | Andril Pelican's | Madrid (test) | Japon | Flat room | Pelican Kiyv |
| 03-13-2025 12:13 PM | Asset exits 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 | ✓ | Asset enters geofence | Seal API Kiyv | 1837581a-f468-4baa-acd7-5bb05282cc82 | - | - | - | 578a586f-470c-4426-b77f-f69cda167c9f | GPS |
| 03-13-2025 12:36 PM | ✓ | Asset enters geofence | Andril Pelican's | 61f0ba84-aa73-4287-aa14-4a082546c0f1 | Madrid (test) | Japon | Flat room | 3076a516-c44f-47f0-8664-138b037560a | Pelican Kiyv |
| 03-13-2025 12:34 PM | ✓ | Asset exits geofence | Andril Pelican's | 61f0ba84-aa73-4287-aa14-4a082546c0f1 | Madrid (test) | Japon | Flat room | 6148c812-37a9-4aa3-9a70-7a88d83b0676 | Pelican Kiyv |
| 03-13-2025 12:13 PM | ✓ | Asset exits geofence | Andril Pelican's | 61f0ba84-aa73-4287-aa14-4a082546c0f1 | Madrid (test) | Japon | Flat room | 2a73f0cf-4571-42be-828b-69ab13a7f05a | Pelican Kiyv |
| 03-13-2025 12:03 PM | ✓ | Asset exits geofence | Seal API Kiyv | 1837581a-f468-4baa-acd7-5bb05282cc82 | - | - | - | b7059e51-3a3a-4465-b5cb-cba7a674d8b | GPS |
| 03-13-2025 12:00 PM | ✓ | Asset enters geofence | Andril Pelican's | 61f0ba84-aa73-4287-aa14-4a082546c0f1 | Madrid (test) | Japon | Flat room | bb0f5aed-2720-406a-87a8-d1051c67a7d | Pelican Kiyv |
| 03-13-2025 11:40 AM | ✓ | Asset enters geofence | Seal API Kiyv | 1837581a-f468-4baa-acd7-5bb05282cc82 | - | - | - | 2669f9-a46b-40c4-9743-8315914a159d | GPS |

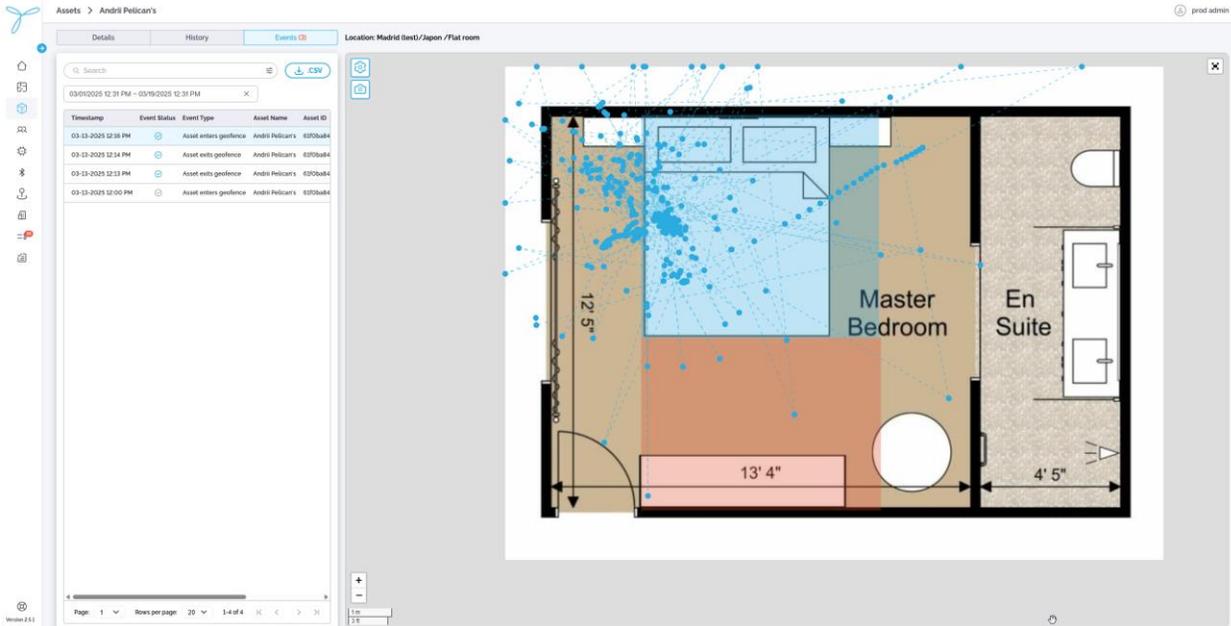
- **Actions:**
 - Click on an event row (e.g., "Asset enters geofence" for "Andril Pelican's" at 03-13-2025 12:16 PM) to open the **Event Details Screen**.
- **Pagination:** Adjust rows per page (e.g., 20) and navigate pages (e.g., 1 of 7) using the pagination controls at the bottom.

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

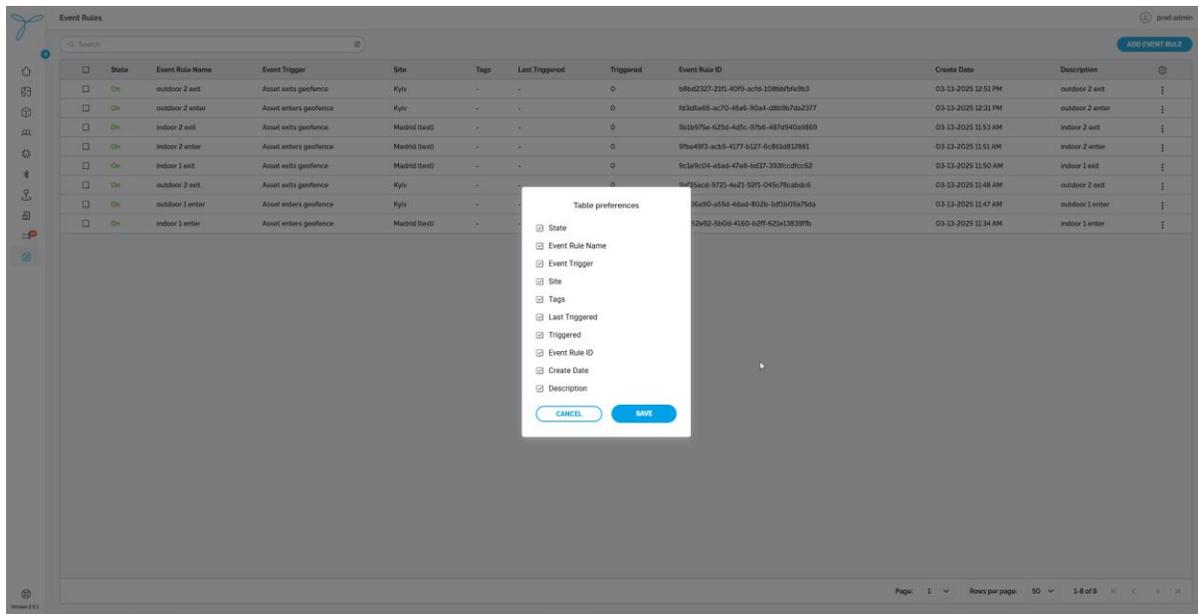
Key Features and Functions

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.

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



6.9 Add New Event Rule

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

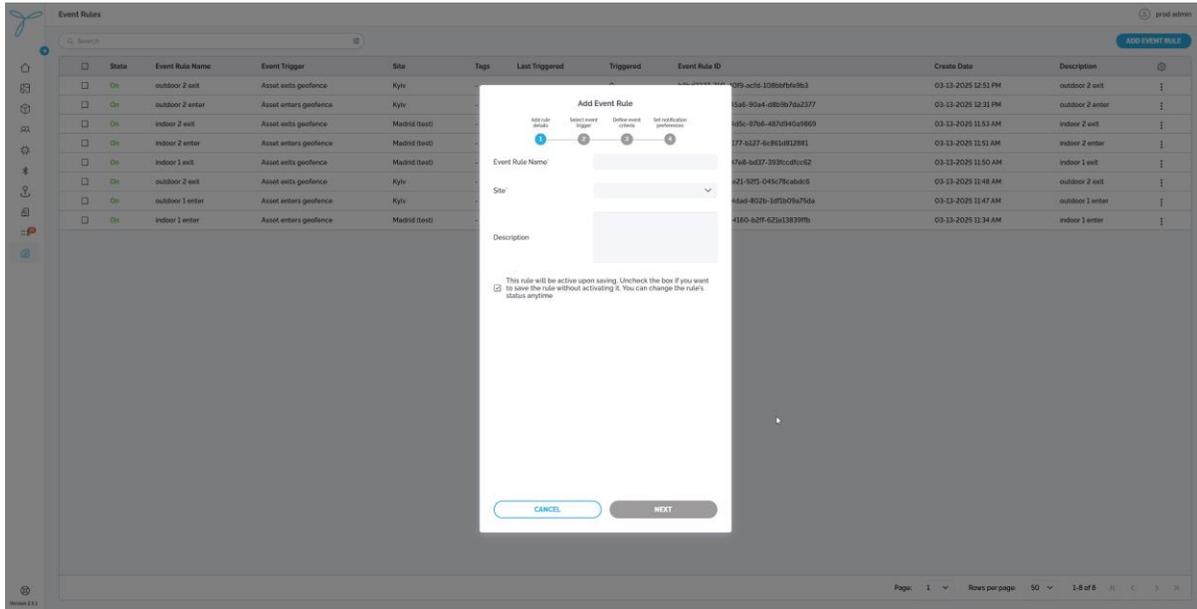
Steps:

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

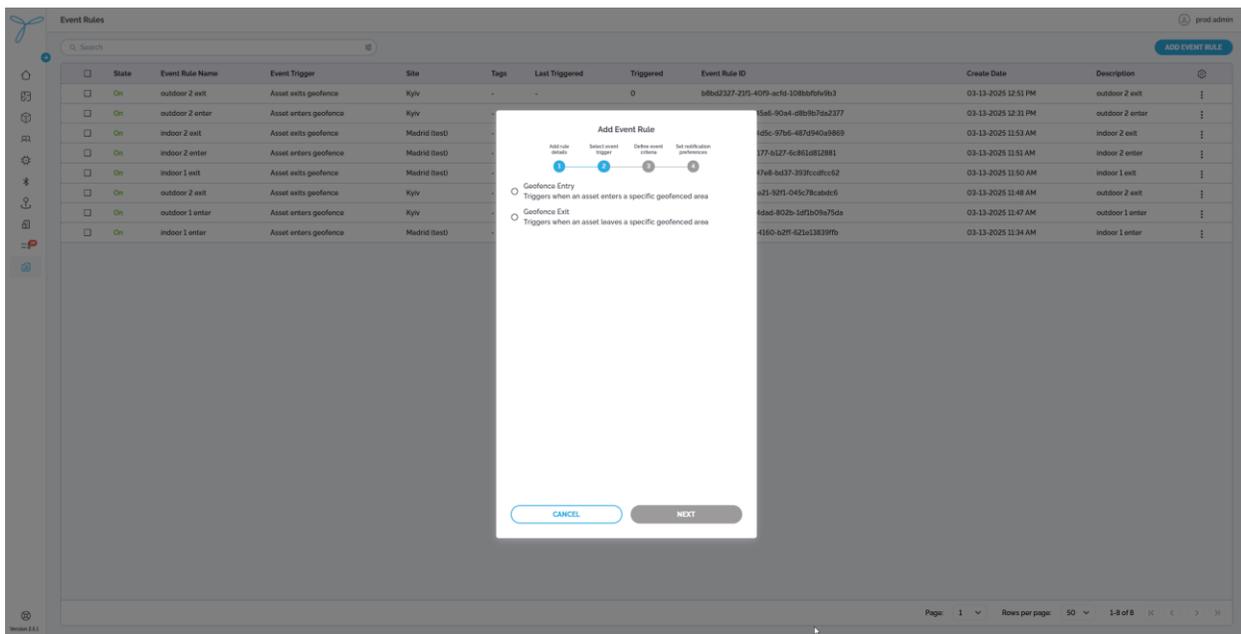
Step 1: Add Rule Details

- **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.

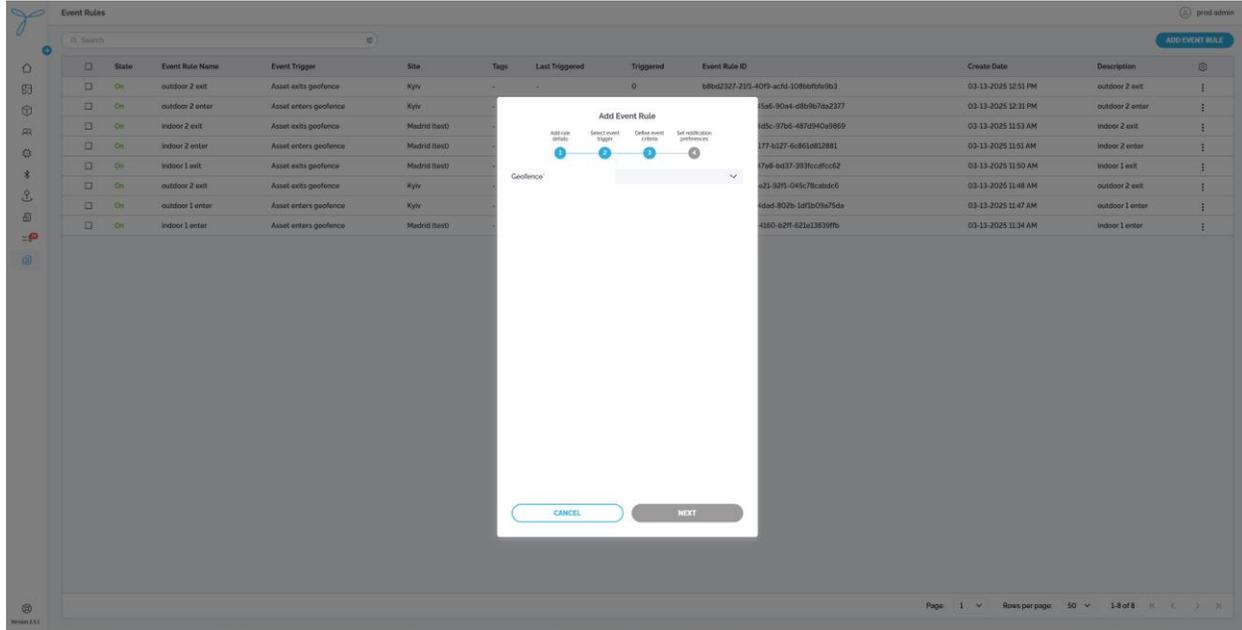


- **Step 2: Select Event Trigger:**
 - Choose the event trigger type:
 - **Geofence Enter:** Triggers when an asset enters a specific geofenced area.
 - **Geofence Exit:** Triggers when an asset leaves a specific geofenced area.
 - Click **Next** to proceed or **Cancel** to discard.



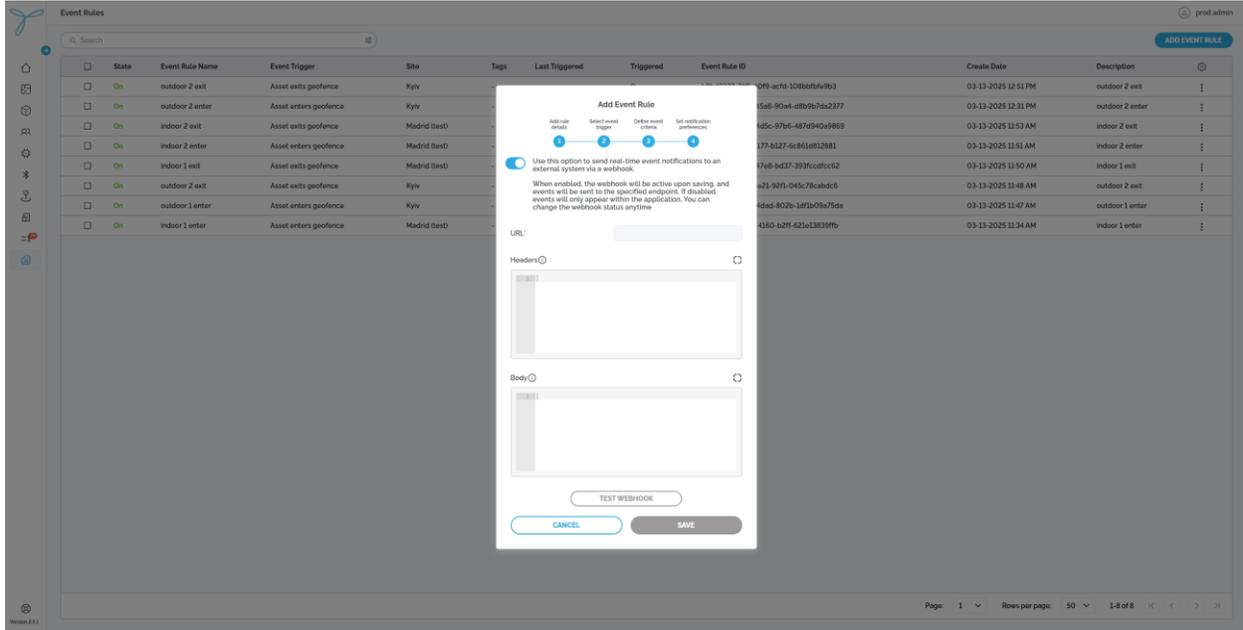
- **Step 3: Define Event Criteria:**
 - **Geofence:** Select an existing geofence from the dropdown to associate the rule with it (e.g., "Flat room").

- 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 the specified conditions and trigger events accordingly. The **Triggered** counter starts at "0", and **Last Triggered** shows "—" until the rule is triggered.

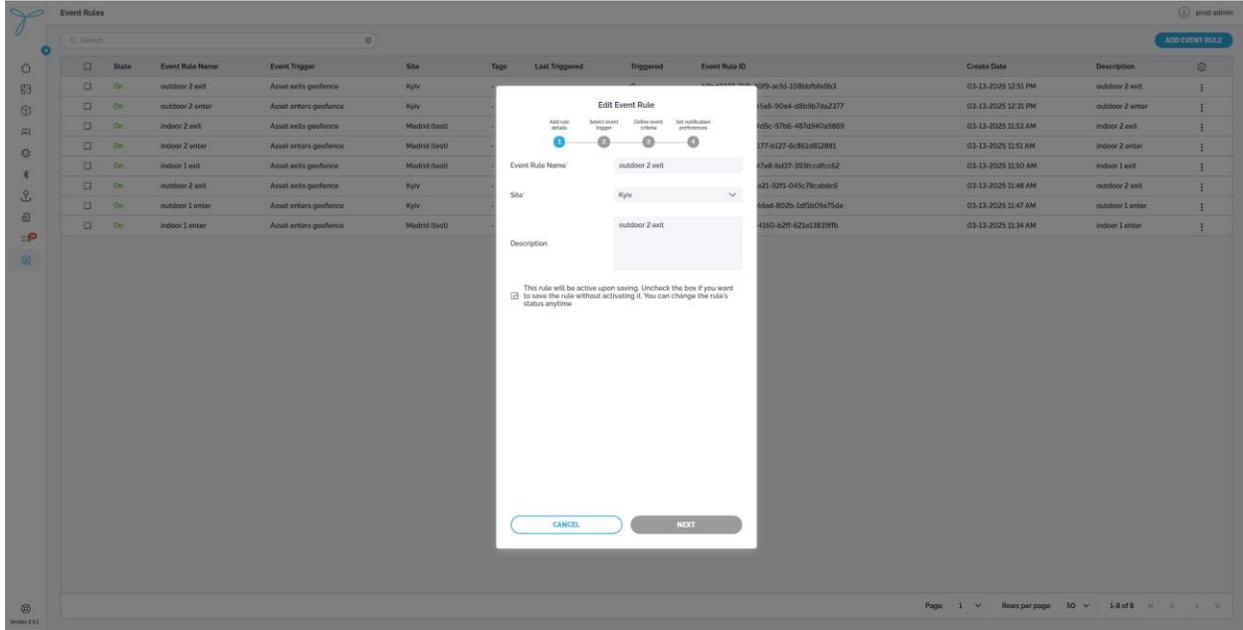
6.9.1 Edit Event Rule

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

Steps:

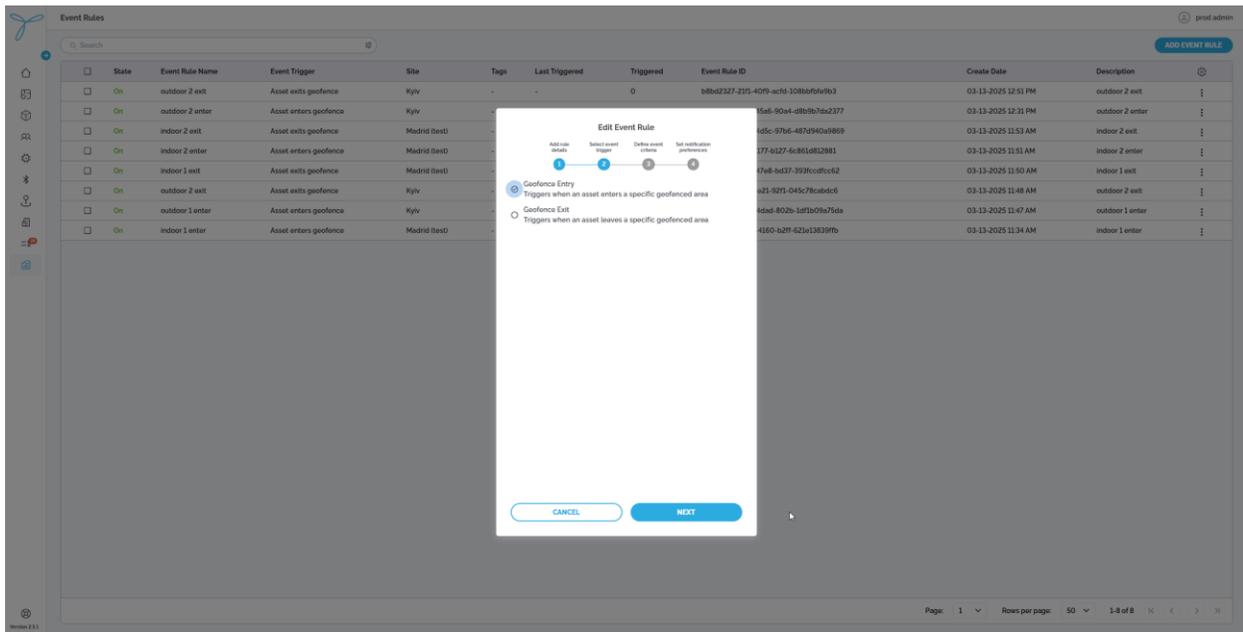
1. Click the **More Actions (...)** button next to an event rule (e.g., "outdoor 2 exit") in the table.
2. Select **Edit** from the context menu to open the **Edit Event Rule** modal.
3. **Step 1: Add Rule Details:**
 - **Event Rule Name:** Modify the name (e.g., "outdoor 2 exit").
 - **Site:** Change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



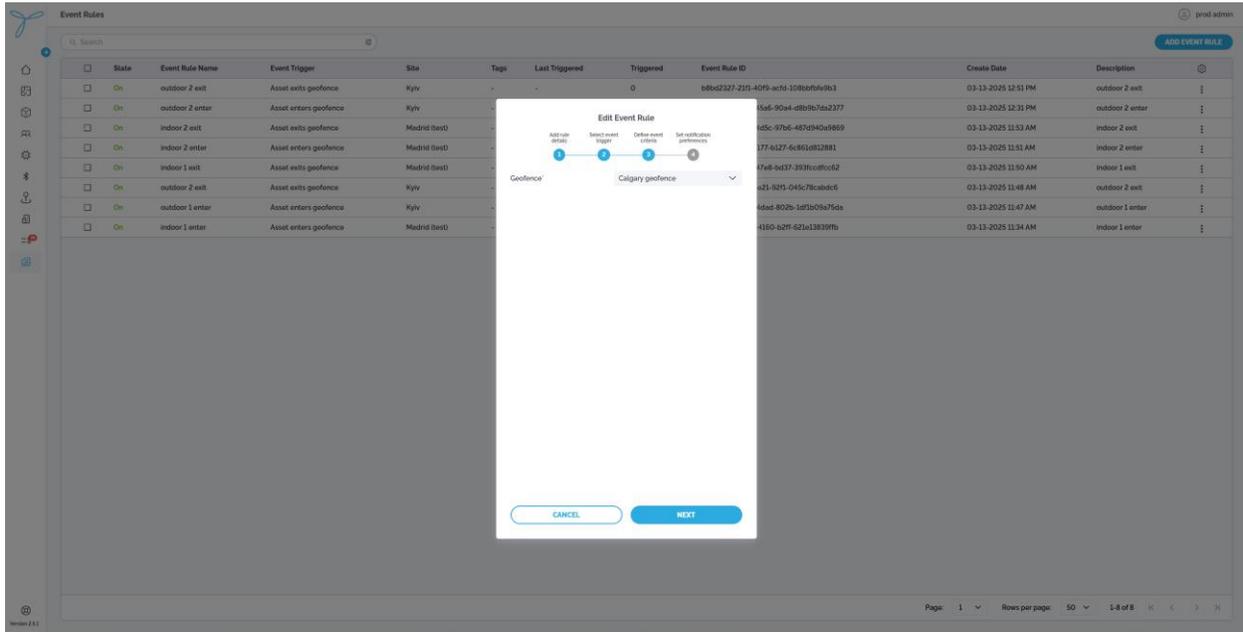
4. Step 2: Select Event Trigger:

- 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.

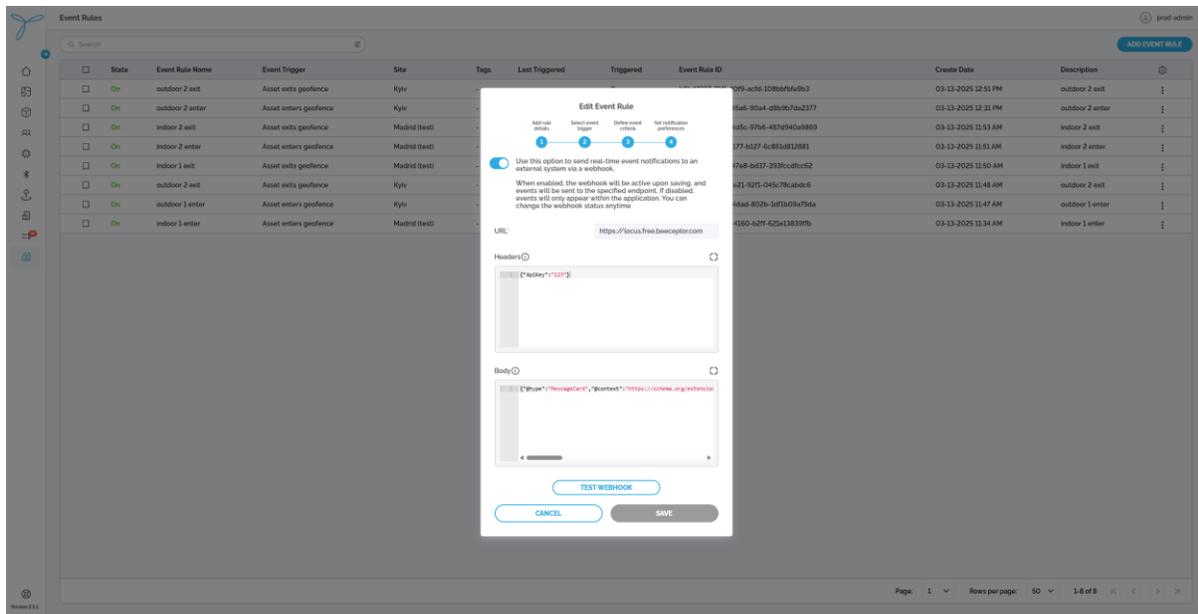


5. Step 3: Define Event Criteria:

- **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.



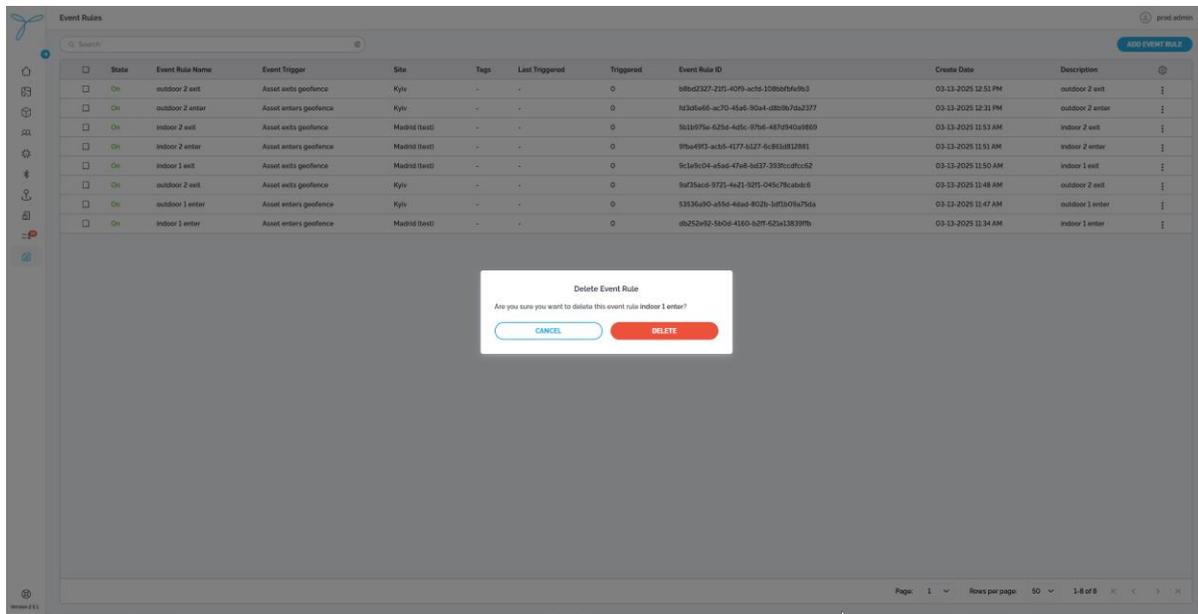
6.9.2 Delete Event Rule

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.



7. Network Server Configuration

7.1 Configure Data Converter on TEKTELIC Network Server

Steps:

- 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").
- 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).
- 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
// - recvTime - Date (needs type check)
// - tektelicMetadata - Object

```
 - function decodeUplink(input) {
 - if (input.recvTime instanceof Date) {
 - // Date operations can be performed if needed

```

○ // Output object structure:
○ // - data - Object
○ // - errors - string[]
○ // - warnings - string[]
○ // - tektelicMetadata - Object
○ return {
○   "data": {"bytes": input.bytes},
○   "errors": [],
○   "warnings": [],
○   "tektelicMetadata": input.tektelicMetadata
○ };

```

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

4. Implement the Encoder:

- 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:

- Save the data converter configuration on the Network Server.
- 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 TEKTELIC Network Server

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. Contact the support engineer 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

7.3 Semtech LoRa Cloud integration

Stork and Chickadee devices require **Semtech LoRa Cloud integration for GNSS/outdoor tracking**.

In case client plans to use **Stork or Chickadee** please contact **TEKTELIC Support** <https://knowledgehub.tektelic.com/>