# **Locus Setup Guide**



TEKTELIC Communications Inc. 7657 10th Street NE Calgary, Alberta Canada, T2E 8X2

#### **LOCUS WEB Application**

#### **User Manual**

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# **1. Introduction**

- Before starting following this guide, please ensure that all nessesary items from <u>Getting</u> <u>Started with Locus: Setup Requirements</u> were received from the customer.
- Before starting following this guide, please ensure that Network Server configuration part from <u>Getting Started with Locus: Setup Requirements</u> was successfully done on the customers side.
- After all information from the customer received, please contact <u>Artem Starchenko</u> or <u>Oleksii Rassykhin</u> to start setup Keyclock tenant.
- For more details on each Locus entity, please use Locus Web App User Documentation or contact Kyiv RnD team (<u>Artem Starchenko</u> or <u>Oleksii Rassykhin</u>)

# 2. Acronyms and Glossary

- Altitude Height of an asset relative to sea level, measured in meters.
- An item, object, or person that a user wants to track, such as equipment, inventory, or personnel. In Locus, assets are linked to devices to monitor their location.
- Asset ID Unique identifier automatically generated by the system for each asset.
- Asset Status The current condition of an asset in LOCUS, shown as Online (actively tracked with intermittent updates), Offline (no current data from the device), or Not Available (not linked to a device). This reflects whether the asset's position is being monitored.
- Asset Type A category user creates in LOCUS to label your assets. It can be anything you need to track, like a van, cart, or road sign, helping you organize and identify assets easily.
- **Battery Level** The most recent battery charge of a device or beacon (%).
- **Beacon** Device from TEKTELIC or a third-party provider that uses BLE (Bluetooth Low Energy) to send signals. Beacons help devices locate assets indoors by acting as reference points for tracking.
- Beacon ID Unique identifier automatically generated by the system for each beacon.
- **BLE (Bluetooth Low Energy)** Wireless technology used by beacons for short-range communication.
- **Beacon model** The specific type or version of a beacon used in LOCUS. For Tektelic beacons, the model is automatically pulled from the database. For third-party beacons, user will need to create and enter the model yourself.
- **Building** A structure within a Site for indoor tracking. Contains floor plans. Linked to a Site.
- **Device** A TEKTELIC IoT tracker that collects location data (via GPS, BLE, or WiFi). Devices must be assigned to an asset to display its position.
- **Device model** Specific hardware model name of a tracking device (e.g., PELICAN).
- Event Notification triggered by predefined conditions (e.g., low battery).
- Event ID Unique identifier automatically generated by the system for each event.
- Event Rules Custom conditions user set 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 The logical location where entity belongs to, defined by the end 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. Same as "Floor plan".
- 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 longtitude 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 The physical location where an entity is located
- **Tag** User-defined labels associated with an entity, used for categorization and management.
- **Tenant** Organization or workspace within the LOCUS application.

# **3. Initial Account Setup**

### Overview

The Initial Account Setup process guides through the steps to assist a user in activating their Locus account after the user has been added to the system and their organization has been created.

1. Trigger the Password Confirmation Email

Ensure the system sends a password confirmation email to the user's email address (e.g., "<u>user1@tektelic.com</u>"). The email will contain a button labeled **Link to Account Update**.

2. Guide the User to Follow the Link:

Instruct the user to click the **Link to Account Update** button in the email. This will redirect them to a page called "Perform the Next Actions."



#### 3. Verify Organization Setup:

Since you have already created the user's organization (e.g., "Acme Corp"), the user will not need to add it. Use organization's name to proceed.



4. **Assist with Sign-In**: Instruct the user to sign in using their credentials (email and password) or Single Sign-On (SSO) if enabled for their organization.

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For details on managing user accounts, troubleshooting login issues, or updating organization details, refer to the [WIP] KeyCloak Administration or contact Kyiv RnD team (Artem Starchenko or Oleksii Rassykhin)

# 4. Features

### 4.1 Sites

### Overview

A **Site** represents a physical location within the system. Sites help organize locations for tracking and also control location-based permissions. These permissions determine what a user can view depending on their assigned locations.

### **Before You Start**

Ensure you have:

• A list of sites with coordinates provided by the customer. See the <u>Getting Started with</u> <u>Locus: Setup Requirements</u> guide for details.

### 4.2 Add new site

1. Navigate to the Sites menu and click Add Site:

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2. Enter the **Site Name** (e.g., "Madrid"). Other fields can be left blank.

3. Click **Next**, then follow the on-screen instructions to define the site boundary.



For details on editing, deleting, or viewing sites, refer to the <u>Locus Web App User</u> <u>Documentation</u>

## 4.3 Buildings

### Overview

A Building is a marker on the map and an entity that helps users organize their maps in a hierarchical structure.

### **Before You Start**

Ensure you have:

• A list of buildings provided by the customer. See the <u>Getting Started with Locus: Setup</u> <u>Requirements</u> guide for details.

### 4.4 Add new building

1. Navigate to the **Building** menu and click **Add Building**:



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2. Enter the **Building Name** (e.g., "Building1"). Assign building to an existing **Site** 

3. Click Next, then follow the on-screen instructions to add building pin

For details on editing, deleting, or viewing buildings, refer to the <u>Locus Web App User</u> <u>Documentation</u>

### 4.5 Floor plans

Floor Plans allow users to manage indoor layouts and required to track assets indoor.

### **Before You Start**

Ensure you have:

• A list of floor plans with images and dimensions provided by the customer. See the <u>Getting Started with Locus: Setup Requirements</u> guide for details.

# 4.6 Add new Floor plan

1. Navigate to the **Building** menu and click **Add Floor plan**:

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 Select Site for the Floor plan. Select Building for the Floor plan. Enter the Floor Plan Name (e.g., "Floor F8"). Assign a picture to the Floor plan.

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3. Click **Next**, then follow the on-screen instructions to define the **Floor plan** dimensions.

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For details on editing, deleting, or viewing floor plans, refer to the <u>Locus Web App User</u> <u>Documentation</u>

### **4.7 Devices**

### Overview

The Devices page lets you manage and monitor TEKTELIC trackers. Stork and Chickadee devices requires Semtech LoRa Cloud connection. To manage it, you need to use API. To receive GNSS functionality for these devices, contact Kyiv RnD team (or contact Kyiv RnD team (Artem Starchenko or Oleksii Rassykhin)

### **Before You Start**

Ensure you have:

- A list of devices provided by the customer. See the <u>Getting Started with Locus: Setup</u> <u>Requirements</u> guide for details.
- For bulk import, CSV file filled with customers devices.

## 4.8 Add new device via DevEUI

1. Navigate to **Devices** menu and click **Add device** 

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2. Enter **DevEUI** of the device. Enter **Inactivity timeout** for device. Assign **Device** to the existing **Site**. Other fields can leave blank. Click "Save"

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## 4.9 Add new device via T-code/Revision/Serial number

1. Navigate to **Devices** menu and click **Add device**.

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2. Click on "Add device with T-code, Revision and Serial number" button.

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3. Enter T-code, Revision and Serial number, click "Next".

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4. Enter **Inactivity timeout** for device. Assign **Device** to the existing **Site**. Other fields can leave blank. Click "**Save**".

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# 4.10 Add new device via Bulk

1. Navigate to **Devices** menu and click "Add device".

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2. Select "Bulk"

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3. Import CSV file from the customer. Click on "Next"

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For details on editing, deleting, CSV export or viewing devices, refer to the <u>Locus Web App</u> <u>User Documentation</u>

### 4.11 Assets

#### Overview

The Assets page lets you manage and monitor tracked items across sites, including their types, locations, and device associations.

#### **Before You Start**

Ensure you have:

- A list of assets provided by the customer. See the <u>Getting Started with Locus: Setup</u> <u>Requirements</u> guide for details.
- For bulk import, CSV file filled with customers assets.

## 4.12 Add new asset

- test admin 7 Assets \* LCSV ADD ASSET 0 Asset Type Site Building X (m) Y (m) Latitude  $\triangle$ Status Name Floor Plan Longitude Tags • Pelican test BLE Asset Tracking Kyiv Building2 Home 2.72 4.13 blue gray green navy ß • STORK GPS BLE Tracking 51.12027 -114.04095 testfix ٢ 50.4374921 30.4652381 Seal outdoor BLE Tracking Building2 • Kyiv Home 22 Stork home OG BLE Tracking ₿ Chickadee home Kiyv BLE Tracking Building1 4.49 1.92 50.437589 30.464792 Kyiv Home \* Chickadee GPS Calgary BLE Tracking 51.1201 -114.04162 L BOX E397 50.4374921 30.4652381 assetsite1 61 Stork home Kiyv BLE Tracking Building2 0.23 4.62 50.437464 30.465638 Kyiv Home =**@** Guide name BLE Tracking : 臽 Asset123 BLE Asset Tracking • ÷ Andrii asset BLE Tracking navy • : . Locus new tenant assetsite1 : Stork Test Semtech BLE Tracking : chickadee outdoor test BLE Asset Tracking ÷ testfix • ÷ • фівфівфів : 0 Page: 1 V Rows per page: 20 V 1-16 of 16 K K
- 1. Navigate to Assets menu and click "Add asset".

2. Enter asset name. Assign asset to an existing Site. Select DevEUI of existing Device to bound asset (optional). Click on "**Save**" button

Y	Assets										(2) test admin
					#						LCSV ADD ASSET
		Status	Name	Asset Type	Site Building	Floor Plan X (m)	Y (m)	Latitude	Longitude	Tags	٢
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		•	STORK GPS	BLE Tracking	Manual	Bulk		51.12027	-114.04095	testfix yellow	:
्र		•	Seal outdoor	BLE Tracking	Arrest Manuel	Arrest 1		50.4374921	30.4652381		:
ø		•	Stork home OG	BLE Tracking	Asset Name	Asset 1					:
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		•	Locus new tenant	assetsite1	Description						:
		•	Stork Test Semtech	BLE Tracking							:
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### 4.13 Add new asset via Bulk

1. Navigate to Assets menu and click "Add asset".

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(1)		•	STORK GPS	BLE Tracking		-	-			51.12027	-114.04095	testfix yellow	:
22		•	Seal outdoor	BLE Tracking	Kyiv	Building2	Home	-	-	50.4374921	30.4652381		:
4		•	Stork home OG	BLE Tracking	-	-	-	-	-	-			:
*		•	Chickadee home Kiyv	BLE Tracking	Kyiv	Building1	Home	4.49	1.92	50.437589	30.464792		:
Ф 0		•	Chickadee GPS Calgary	BLE Tracking						51.1201	-114.04162	blue	:
ل د		•	BOX E397	assetsite1	-	-	-	-	-	50.4374921	30.4652381		:
61		•	Stork home Kiyv	BLE Tracking	Kyiv	Building2	Home	0.23	4.62	50.437464	30.465638	-	:
=		•	Guide name	BLE Tracking		-	-	-		-			:
é		•	Asset123	BLE Asset Tracking		-	-			-		blue	:
		•	Andrii asset	BLE Tracking	-	-	-	-		-	-	navy	:
		•	Locus new tenant	assetsite1	-	-	-	-		-	-	-	:
		•	Stork Test Semtech	BLE Tracking		-	-	-		-		blue	:
		•	chickadee outdoor test	BLE Asset Tracking		-	-			-		blue	:
		•	testfix	-	-	-	-	-		-	-	testfix	:
		•	фівфів	-		-	-			-		testfix	:
O Version 2.5.2										Page: 1	✓ Rows per pi	age: 20 🗸 1-16 of 16 🛛 🕅	$\langle \rangle$

2. Import customer's CSV file. Click on "Next" button

				#								( ± .csv	AD
	Status	Name	Asset Type	Site	Building	Floor Plan	X (m)	Y (m)	Latitude	Longitude	Tags		
		Pelican test	BLE Asset Tracking						1			navy	
	•	STORK GPS	BLE Tracking			Add Asset			51.12027	-114.04095	testite (second)		
		Seal outdoor	BLE Tracking		Manual		Bulk		50.4374921	30.4652381			
		Stork home OG	BLE Tracking	1. Download	the .CSV templat	te file: TEKTELIC Ten	iplate Asset E	Bulk					
		Chickadee home Kiyv	BLE Tracking	Fill in the ten	plate. The follow	wing fields are requi	ed:		50.437589	30,464792			
	•	Chickadee GPS Calgary	BLE Tracking	Asset Nar     Home Site	ne				51.1201	-114.04162			
٥		BOX E397	assetsite1	3. Upload the	completed .CS	V template from you	device belo	N/	50.4374921	30.4652381			
٥		Stork home Kiyv	BLE Tracking		Drag and	d drop your file here	or		50.437464	30.465638			
		Guide name	BLE Tracking		SE								
	٠	Asset123	BLE Asset Tracking		Sup	ported file formats: .csv			*				
	•	Andrii asset	BLE Tracking		м	laximum file size: 1MB			-		navy		
0		Locus new tenant	assetsite1	тен	TELIC+Template	+Asset+Bulk+Import	C5V	×					
٥	•	Stork Test Semtech	BLE Tracking	<b>CIV</b> 0.01	) MB				•				
	•	chickadee outdoor test	BLE Asset Tracking		CANCEL		NEXT						
				~				×					
									Page: 1	Rows per p	age: 20 ~ 1-1	16 of 16 K	

For details on editing, deleting, CSV export or viewing assets, refer to the Locus Web App User Documentation

### 4.14 Beacons

### Overview

The Beacons page lets you manage and monitor beacons for indoor positioning and asset tracking.

### **Before You Start**

Ensure you have:

- A list of beacons provided by the customer. See the <u>Getting Started with Locus: Setup</u> <u>Requirements</u> guide for details.
- For bulk import, CSV file filled with customers beacons.
- Contact Kyiv RnD team (or contact Kyiv RnD team (<u>Artem Starchenko</u> or <u>Oleksii</u> <u>Rassykhin</u>) to create a "beacon model" (only for non-TEKTELIC beacons)

### 4.15 Add new beacon (TEKTELIC)

Y	Beacons												test admin
	Q, Search				#							.csv	ADD BEACON
Ô		Status	Beacon Name	MAC Address	Localization Mode	Battery	Home Site	Building	Floor Plan	X (m)	Y (m)	Tags	
E		•	F822	AC:23:3F:65:F8:22	Regular	Ô-	Kyiv	Building1	Home	1.43	5.45	gray	:
\$		•	AC:23:3F:65:97:54	AC:23:3F:65:97:54	Regular	Ô.	Kyiv	Building2	Test map	4.87	4.47	-	:
22		•	Guide Test edit	64:7F:DA:12:22:98	Regular	Ô-	Kyiv	Building1	Andrii_test	1	2	-	:
ä		•	testfix2	AC:23:3F:00:DA:02	Regular	Ô۰	Kyiv	-				blue	:
*		•	testfix1	AC:23:3F:00:DA:01	Regular	Ő-	Kyiv	-		-	-	-	:
9		•	deveuinull	AC:23:3F:5B:8C:5A	Regular	Ö-	Kyiv	-		-	-	-	:
		•	Tektelic Andrii beacon update	64:7F:DA:01:82:FC	Regular	Ô-	Kyiv	Andrii_test	Andrii_test	6	3		:
		•	1C9BF	64:7F:DA:01:C8:18	Regular	Ô۰	Kyiv	Andrii_test	Andrii_test	3.66	8.25	blue gray green	:
=8		•	8CE7	AC:23:3F:5B:8C:E7	Regular	Ô۰	Kyiv	Home	Home	1.44	2.47	-	:
é		•	8C9A	AC:23:3F:5B:8C:9A	Regular	Ô-	Kyiv	Home	Home	3.98	5.45	-	:
		•	AC233F65F824	AC:23:3F:65:F8:24	Regular	Ô-	Kyiv	Home	Home	3.95	2.51	-	:
		•	testregular3	44:34:45:56:67:78	Regular	Ô-	Calgary	Building AB T2E 8X2	South-West Wing	4.16	22.53	-	:
		•	testnearest1	23:34:45:56:67:71	Regular	Ô-	Calgary	Building AB T2E 8X2	South-West Wing	3.75	16.78	blue	:
		•	API8	64:7F:BD:21:12:39	Regular	Ô۰	Kyiv	Building1		-	-	-	:
		•	API7	64:7F:BD:21:14:31	Regular	Ô۰	Kyiv	Building1	-	-	-	-	
		•	API6	64:7F:BD:21:11:39	Regular	Ô-	Kyiv	Building1		-	-	-	:
		•	testregular	33:34:45:56:67:78	Nearest	Ô-	Calgary	Building AB T2E 8X2			-		i ,
Oversion 2.5.2								Page:	1 V Rows p	er page:	20 🗸	1-20 of 20 K	< > >

1. Navigate to Beacons menu and click "Add beacon".

P	Beacons														test admin
0						Add B	eacon							L.CSV	ADD BEACON
۵		Status	Beacon Name	MAC Address	Manual			Bulk			Floor Plan	X (m)	Y (m)	Tags	أ ۞
B		•	F822	AC:23:3F:65:F8:22	Choc manufa	se Add be turer deta	acon Add bea alls locatio	con n			Home	1.43	5.45		:
\$		•	AC:23:3F:65:97:54	AC:23:3F:65:97:54	•		) 0				Test map	4.87	4.47		:
A		•	Guide Test edit	64:7F:DA:12:22:98	TEKTELIC beacons are Li offering advanced featur	RaWAN de	vices that ope	rate in beacon r ting and remote	node,		Andrii_test	1	2		:
4		•	testfix2	AC:23:3F:00:DA:02	configuration. Other man functionalities.	ufacturers	beacons may	not support the	50						:
4		•	testfix1	AC:23:3F:00:DA:01	Select the option that ma setup:	tches your	beacon type t	o ensure proper							:
Ф 0		•	deveuinull	AC:23:3F:5B:8C:5A											:
		•	Tektelic Andrii beacon update	64:7F:DA:01:82:FC							Andrii_test	6	3		:
		•	1C9BF	64:7F:DA:01:C8:18							Andrii_test	3.66	8.25	blue gray green	:
=;•		•	8CE7	AC:23:3F:5B:8C:E7							Home	1.44	2.47		:
í.		•	8C9A	AC:23:3F:5B:8C:9A							Home	3.98	5.45		:
		•	AC233F65F824	AC:23:3F:65:F8:24	TEKTELIC	$\odot$	Other		0		Home	3.95	2.51		:
		•	testregular3	44:34:45:56:67:78						8X2	South-West Wing	4.16	22.53		:
		•	testnearest1	23:34:45:56:67:71						8X2	South-West Wing	3.75	16.78		:
		•	API8	64:7F:BD:21:12:39											:
		•	API7	64:7F:BD:21:14:31											:
		•	API6	64:7F:BD:21:11:39											:
		•	testregular	33:34:45:56:67:78	CANCEL	$\frown$		NEXT		8X2	<u> </u>				:
8										Page:	1 V Rows p	er page:	20 ~	1-20 of 20	

2. Select "TEKTELIC" as manufacturer. Click on "Next" button

3. Enter **DevEUI** of TEKTELIC tracker. Add beacon name(optional). Select "**Localization mode**". Enter discovery timeout. Click on "**Next**" button

Y	Beacons												💩 test admin
0					ŧ							🛃 .csv	ADD BEACON
0		Status	Beacon Name	MAC Address	,	dd Beacon			Floor Plan	X (m)	Y (m)	Tags	۵
E3		•	F822	AC:23:3F:65:F8:22	Manual	Bulk			Home	1.43	5.45		:
\$		•	AC:23:3F:65:97:54	AC:23:3F:65:97:54	Choose	Add beacon Add beacon			Test map	4.87	4.47		:
22		•	Guide Test edit	64:7F:DA:12:22:98	manufacturer	details location			Andrii_test	1	2		÷
æ		•	testfix2	AC:23:3F:00:DA:02	Device ELU:	647ED40000068C6							:
*		•	testfix1	AC:23:3F:00:DA:01	Device Edi	04772400000000000							:
Ŷ		•	deveuinull	AC:23:3F:5B:8C:5A	Beacon Name	Beacon							:
		•	Tektelic Andrii beacon update	64:7F:DA:01:82:FC	Localization Mode	Nearest	~		Andrii_test	6	3		:
		•	1C9BF	64:7F:DA:01:C8:18	Localization riode	THEM COL			Andrii_test	3.66	8.25	blue gray green	
=8		•	8CE7	AC:23:3F:5B:8C:E7	Discovery Timeout (min)*	120			Home	1.44	2.47		
1		•	8C9A	AC:23:3F:5B:8C:9A	Tans		$\sim$		Home	3.98	5.45		:
		•	AC233F65F824	AC:23:3F:65:F8:24	1435				Home	3.95	2.51		:
		•	testregular3	44:34:45:56:67:78				8X2	South-West Wing	4.16	22.53		:
		•	testnearest1	23:34:45:56:67:71	Description			8X2	South-West Wing	3.75	16.78		:
		•	API8	64:7F:BD:21:12:39						-	-		:
		•	API7	64:7F:BD:21:14:31									÷ •
		•	API6	64:7F:BD:21:11:39	CANCEL								:
		•	testregular	33:34:45:56:67:78				8X2		-			:
Wersion 2.5.2								Page:	1 V Rows p	er page:	20 ~	1-20 of 20 K	

P	Beac	ons														🔔 test admin
0						#									L.CSV	ADD BEACON
۵ (			Status	Beacon Name	MAC Address	Localization Mo	ode Ba	ttery	Home Site	Building		Floor Plan	X (m)	Y (m)	Tags	۵ أ
63			•	F822	AC:23:3F:65:F8:22	Degular	0		Kuba	Duildingt		Home	1.43	5.45		
۲			•	AC:23:3F:65:97:54	AC:23:3F:65:97:54		Ade	d Beace	on			Test map	4.87	4.47		:
<u>A</u>			•	Guide Test edit	64:7F:DA:12:22:98	Manu	al		Bulk			Andrii_test	1	2		:
0			•	testfix2	AC:23:3F:00:DA:02		Choose A sanufacturer	ldd beacon details	Add beacon location							:
*			•	testfix1	AC:23:3F:00:DA:01		1	2					-			:
Ŷ			•	deveuinull	AC:23:3F:5B:8C:5A	Home Site'		Kyiv		$\sim$						
			•	Tektelic Andrii beacon update	64:7F:DA:01:82:FC							Andrii_test	6	3		
			•	1C9BF	64:7F:DA:01:C8:18	Building		Buildin	g1	~		Andrii_test	3.66	8.25	blue gray green	
=8			•	8CE7	AC:23:3F:5B:8C:E7	Floor Plan		Test m	ар	~		Home	1.44	2.47		:
1			•	8C9A	AC:23:3F:5B:8C:9A							Home	3.98	5.45		:
			•	AC233F65F824	AC:23:3F:65:F8:24	X (m)						Home	3.95	2.51		
			•	testregular3	44:34:45:56:67:78	Y (m)					8X2	South-West Wing	4.16	22.53		
			•	testnearest1	23:34:45:56:67:71						8X2	South-West Wing	3.75	16.78		:
			•	API8	64:7F:BD:21:12:39	CANCE	L		SAVE							:
			•	API7	64:7F:BD:21:14:31											:
			•	API6	64:7F:BD:21:11:39	Regular			Kyiv	Building1						:
			•	testregular	33:34:45:56:67:78	Nearest			Calgary	Building AB T2	E 8X2					÷,
Wersion 2.5.2											Page:	1 V Rows p	er page:	20 ~	1-20 of 20 K	

4. Select "Home Site". Select "Building". Select "Floor plan". Click "Save"

# 4.16 Add new beacon (Other)

1. Navigate to Beacons menu and click "Add beacon".

2	Beacons												🚊 test ad
	Q Search				114							L.CSV	ADD BEACO
Ť		Status	Beacon Name	MAC Address	Localization Mode	Battery	Home Site	Building	Floor Plan	X (m)	Y (m)	Tags	10
		•	F822	AC:23:3F:65:F8:22	Regular	Ô۰	Kyiv	Building1	Home	1.43	5.45	gray	1
		•	AC:23:3F:65:97:54	AC:23:3F:65:97:54	Regular	Ô۰	Kyiv	Building2	Test map	4.87	4.47	-	:
		•	Guide Test edit	64:7F:DA:12:22:98	Regular	Ô۰	Kyiv	Building1	Andrii_test	1	2		:
		•	testfix2	AC:23:3F:00:DA:02	Regular	Ô۰	Kyiv	-		-		blue	:
		•	testfix1	AC:23:3F:00:DA:01	Regular	Ö-	Kyiv	-	-	-	-	-	:
		•	deveuinull	AC:23:3F:5B:8C:5A	Regular	Ô-	Kyiv	-	-	-	-	-	:
		•	Tektelic Andrii beacon update	64:7F:DA:01:82:FC	Regular	Ô-	Kyiv	Andrii_test	Andrii_test	6	3		:
_		•	1C9BF	64:7F:DA:01:C8:18	Regular	Ô۰	Kyiv	Andrii_test	Andrii_test	3.66	8.25	blue gray green	:
		•	8CE7	AC:23:3F:5B:8C:E7	Regular	Ô۰	Kyiv	Home	Home	1.44	2.47	-	:
		•	8C9A	AC:23:3F:5B:8C:9A	Regular	Ô۰	Kyiv	Home	Home	3.98	5.45	-	:
		•	AC233F65F824	AC:23:3F:65:F8:24	Regular	Ô۰	Kyiv	Home	Home	3.95	2.51	-	:
		•	testregular3	44:34:45:56:67:78	Regular	Ô۰	Calgary	Building AB T2E 8X2	South-West Wing	4.16	22.53	-	:
		•	testnearest1	23:34:45:56:67:71	Regular	Ô·	Calgary	Building AB T2E 8X2	South-West Wing	3.75	16.78	blue	:
		•	API8	64:7F:BD:21:12:39	Regular	Ô۰	Kyiv	Building1		-		-	:
		•	API7	64:7F:BD:21:14:31	Regular	Ô۰	Kyiv	Building1	-	-	-	-	:
		•	API6	64:7F:BD:21:11:39	Regular	Ô۰	Kyiv	Building1	-	-	-	-	:
		•	testregular	33:34:45:56:67:78	Nearest	Ô-	Calgary	Building AB T2E 8X2	-	-		-	:
								Page:	1 ✓ Rows p	er page:	20 ~	1-20 of 20 K	< >

Y	Beacons														(a) test admin
0						Add Be	acon							L.CSV	ADD BEACON
		Status	Beacon Name	MAC Address	Manual			Bulk			Floor Plan	X (m)	Y (m)	Tags	۵
B		•	F822	AC:23:3F:65:F8:22	Choose manufacturer	Add ber detai	icon Add beac Is location	on I			Home	1.43	5.45		
\$		•	AC:23:3F:65:97:54	AC:23:3F:65:97:54	0-	2					Test map	4.87	4.47		1
22		•	Guide Test edit	64:7F:DA:12:22:98	TEKTELIC beacons are LoRay offering advanced features li	/AN dev e batter	ices that ope	rate in beacon m ing and remote	node.		Andrii_test	1	2		:
4		•	testfix2	AC:23:3F:00:DA:02	configuration. Other manufac functionalities.	turers' b	eacons may r	ot support thes	50						:
*		•	testfix1	AC:23:3F:00:DA:01	Select the option that matche setup:	is your b	eacon type to	ensure proper							:
9 9		•	deveuinull	AC:23:3F:5B:8C:5A											:
		•	Tektelic Andrii beacon update	64:7F:DA:01:82:FC							Andrii_test	6	3		:
-0		•	1C9BF	64:7F:DA:01:C8:18							Andrii_test	3.66	8.25	blue gray green	
==		•	8CE7	AC:23:3F:5B:8C:E7							Home	1.44	2.47		:
4		•	8C9A	AC:23:3F:5B:8C:9A							Home	3.98	5.45		:
		•	AC233F65F824	AC:23:3F:65:F8:24	TEKTELIC	C	Other		$\odot$		Home	3.95	2.51		:
		•	testregular3	44:34:45:56:67:78						8X2	South-West Wing	4.16	22.53		:
		•	testnearest1	23:34:45:56:67:71						8X2	South-West Wing	3.75	16.78		:
		•	API8	64:7F:BD:21:12:39											
		•	API7	64:7F:BD:21:14:31											÷ 1
		•	API6	64:7F:BD:21:11:39											:
		•	testregular	33:34:45:56:67:78	CANCEL			NEXT		8X2					:
B Version 2.5.2										Page:	1 Rows p	er page:	20 ~	1-20 of 20 K	

2. Select "Other" as manufacturer. Click on "Next" button

3. Select "Beacon model". Enter "MAC address". Enter "Name". Select "Localization mode". Enter discovery timeout. Click on "Next" button.

P	Beacons												🚊 test admin
						Add Beacon						L.CSV	ADD BEACON
		Status	Beacon Name	MAC Address	Manual	Bulk			Floor Plan	X (m)	Y (m)	Tags	۵ أ
63		•	F822	AC:23:3F:65:F8:22	Choose	Add beacon Add beacon er details location			Home	1.43	5.45		
		•	AC:23:3F:65:97:54	AC:23:3F:65:97:54	3-	2 0			Test map	4.87	4.47		:
R		•	Guide Test edit	64:7F:DA:12:22:98	Beacon Model	Beacon	× _		Andrii_test	1	2		:
•		•	testfix2	AC:23:3F:00:DA:02									:
*		•	testfix1	AC:23:3F:00:DA:01	MAC Address	AC:23:3F:65:F8:24							:
Ŷ		•	deveuinull	AC:23:3F:5B:8C:5A	Beacon Name	Beacon							:
		•	Tektelic Andrii beacon update	64:7F:DA:01:82:FC					Andrii_test	6	3		:
		•	1C9BF	64:7F:DA:01:C8:18	Localization Mode*	Regular	~		Andrii_test	3.66	8.25	blue gray groon	:
=		•	8CE7	AC:23:3F:5B:8C:E7	Discovery Timeout (min)*	120			Home	1.44	2.47		:
á		•	8C9A	AC:23:3F:5B:8C:9A					Home	3.98	5.45		:
		•	AC233F65F824	AC:23:3F:65:F8:24	Battery Install Date	03/25/2025	×		Home	3.95	2.51		:
		•	testregular3	44:34:45:56:67:78	Battery Capacity (mAh)			8X2	South-West Wing	4.16	22.53		:
		•	testnearest1	23:34:45:56:67:71				8X2	South-West Wing	3.75	16.78		:
		•	API8	64:7F:BD:21:12:39	Device Consumption (mA)								:
		•	API7	64:7F:BD:21:14:31	Tags		$\sim$						:
		•	API6	64:7F:BD:21:11:39			-						:
		•	testregular	33:34:45:56:67:78	CANCEL	NEXT		8X2					
O Version 2.5.2								Page:	1 × Rows p	er page:	20 ~	1-20 of 20 K	< > »

00	Beacon	s													(a) test admin
T															
0						#								L.CSV	ADD BEACON
	0	ב	Status	Beacon Name	MAC Address	Localization Mode	Battery	Home Site	Building		Floor Plan	X (m)	Y (m)	Tags	۵ 🕯
63	0	ו	•	F822	AC:23:3F:65:F8:22	Desular	0	Kulu	Duildin of		Home	1.43	5.45		:
	C	ב	•	AC:23:3F:65:97:54	AC:23:3F:65:97:54		Add Bead	on			Test map	4.87	4.47		:
<u>9</u> 2	C	ב	•	Guide Test edit	64:7F:DA:12:22:98	Manual		Bulk			Andrii_test	1	2		:
44	C	ו	•	testfix2	AC:23:3F:00:DA:02	Choose manufactures	Add beaco r details	Add beacon location							:
**	0	ו	•	testfix1	AC:23:3F:00:DA:01	0-	-2	3				-			:
* 0	0	ב	•	deveuinull	AC:23:3F:5B:8C:5A	Home Site	Kyiv		$\sim$						:
-	0	ב	•	Tektelic Andrii beacon update	64:7F:DA:01:82:FC						Andrii_test	6	3		:
	C	כ	•	1C9BF	64:7F:DA:01:C8:18	Building	Buildi	ngl	~		Andrii_test	3.66	8.25	blue gray green	:
=:	C	כ	•	8CE7	AC:23:3F:5B:8C:E7	Floor Plan	Test n	ар	$\sim$		Home	1.44	2.47		:
á	0	3	•	8C9A	AC:23:3F:5B:8C:9A						Home	3.98	5.45		:
	C	ב	•	AC233F65F824	AC:23:3F:65:F8:24	X (m)					Home	3.95	2.51		:
	C	ב	•	testregular3	44:34:45:56:67:78	Y (m)				8X2	South-West Wing	4.16	22.53		:
	C	כ	•	testnearest1	23:34:45:56:67:71					8X2	South-West Wing	3.75	16.78		:
	C	כ	•	API8	64:7F:BD:21:12:39	CANCEL		SAVE							:
	C	כ	•	API7	64:7F:BD:21:14:31				•			-			:
	C	כ	•	API6	64:7F:BD:21:11:39	Regular		Kyiv	Building1						:
	C	כ	•	testregular	33:34:45:56:67:78	Nearest		Calgary	Building AB T28	8X2					
(C) Version 2.5.2										Page:	1 V Rows p	er page:	20 ~	1-20 of 20 K	

4. Select "Home Site". Select "Building". Select "Floor plan". Click "Save"

## 4.17 Add new beacons via Bulk

1. Navigate to Beacons menu and click "Add beacon".

Y	Beacons												<li> test admin</li>
0	Q Search				114							L.CSV	ADD BEACON
Ô		Status	Beacon Name	MAC Address	Localization Mode	Battery	Home Site	Building	Floor Plan	X (m)	Y (m)	Tags	
ß		•	F822	AC:23:3F:65:F8:22	Regular	Ô-	Kyiv	Building1	Home	1.43	5.45	gray	:
\$		•	AC:23:3F:65:97:54	AC:23:3F:65:97:54	Regular	Ô-	Kyiv	Building2	Test map	4.87	4.47	-	:
22		•	Guide Test edit	64:7F:DA:12:22:98	Regular	Ô۰	Kyiv	Building1	Andrii_test	1	2	-	:
ö		•	testfix2	AC:23:3F:00:DA:02	Regular	Ô۰	Kyiv	-				blue	:
*		•	testfix1	AC:23:3F:00:DA:01	Regular	Ő-	Kyiv	-		-		-	:
\$		•	deveuinull	AC:23:3F:5B:8C:5A	Regular	Ö-	Kyiv	-	-	-	-	-	:
		•	Tektelic Andrii beacon update	64:7F:DA:01:82:FC	Regular	Ô-	Kyiv	Andrii_test	Andrii_test	6	3		:
		•	1C9BF	64:7F:DA:01:C8:18	Regular	Ô۰	Kyiv	Andrii_test	Andrii_test	3.66	8.25	blue gray green	:
=		•	8CE7	AC:23:3F:5B:8C:E7	Regular	Ô۰	Kyiv	Home	Home	1.44	2.47	-	:
í.		•	8C9A	AC:23:3F:5B:8C:9A	Regular	Ô-	Kyiv	Home	Home	3.98	5.45	-	:
		•	AC233F65F824	AC:23:3F:65:F8:24	Regular	Ô-	Kyiv	Home	Home	3.95	2.51	-	:
		•	testregular3	44:34:45:56:67:78	Regular	Ô-	Calgary	Building AB T2E 8X2	South-West Wing	4.16	22.53	-	:
		•	testnearest1	23:34:45:56:67:71	Regular	Ô-	Calgary	Building AB T2E 8X2	South-West Wing	3.75	16.78	blue	:
		•	API8	64:7F:BD:21:12:39	Regular	Ô۰	Kyiv	Building1		-		-	:
		•	API7	64:7F:BD:21:14:31	Regular	Ô-	Kyiv	Building1	-	-		-	:
		•	API6	64:7F:BD:21:11:39	Regular	Ô-	Kyiv	Building1	-	-	-	-	:
		•	testregular	33:34:45:56:67:78	Nearest	Ô-	Calgary	Building AB T2E 8X2		-	-	-	:
0								Page:	1 V Rows p	er page:	20 🗸	1-20 of 20 K	< > >

### 2. Select "Bulk"

P	Beacons					(a) test admin
0					Add Beacon	ADD BEACON
		Status	Beacon Name	MAC Address	Manual Bulk Floor Plan X (m) Y (m) Tags	۵
5		•	F822	AC:23:3F:65:F8:22	1 Download the CSV template file:	:
R		•	AC:23:3F:65:97:54	AC:23:3F:65:97:54	To add a beacon from TEKTELIC. download the template: TEKTELIC     Test map     4.87     4.47	:
Q2		•	Guide Test edit	64:7F:DA:12:22:98	To add a beacon Bulk Import.sv     To add a beacon Bulk Import.sv     Andrii_test     Andrii_test     Andrii_test     Andrii_test	:
4		•	testfix2	AC:23:3F:00:DA:02	2. Fill in the template. The following fields are required for submission:	:
		•	testfix1	AC:23:3F:00:DA:01	For TEKTELIC beacons:     O Device EUI or T-code, Serial Number, Revision	:
*		•	deveuinull	AC:23:3F:5B:8C:5A	Localization Mode (dofault: Regular)     Discovery Timeout (min) (dofault: 120)     Home Sita	:
ٽ -		•	Tektelic Andrii beacon update	64:7F:DA:01:82:FC	For other manufacturers:     Beacon Model     Andrii_test     6     3     Sector	:
61		•	1C9BF	64:7F:DA:01:C8:18	MAC Address     Localization Mode (default: Regular)     Discovery Timout (min) (default: 120)     Andrii_test     3.66     8.25     Gray     green	:
=;		•	8CE7	AC:23:3F:5B:8C:E7	Home 144 2.47 -	:
á		•	8C9A	AC:23:3F:5B:8C:9A	3. Opioaa the completeal LSV template from your aevice below Home 3.98 5.45 -	:
		•	AC233F65F824	AC:23:3F:65:F8:24	Drag and drop your file here or Home 3.95 2.51 -	:
		•	testregular3	44:34:45:56:67:78	SELECT A FILE T 8X2 South-West Wing 4.16 22.53 -	:
		•	testnearest1	23:34:45:56:67:71	Supported file formatic cay Maximum file size 24/8 8X2 South-West Wing 3.75 16.78	:
		•	API8	64:7F:BD:21:12:39		:
		•	API7	64:7F:BD:21:14:31		1
		•	API6	64:7F:BD:21:11:39	and the second	:
		•	testregular	33:34:45:56:67:78	CANCEL NEXT 8X2 · · ·	1
(B)					Page: 1 ♥ Rows per page: 20 ♥ 1-20 of 20   K   <	×

3. Import customer's CSV file. Click "Next"

Y	Beacons					a test admin
0					Add Beacon	ADD BEACON
		Status	Beacon Name	MAC Address	Manual Bulk Floor Plan X (m) Y (m) Tags	۵ 🕯
63		•	F822	AC:23:3F:65:F8:22	1 Download the CSV template file: Home 143 5.45	:
ß		٠	AC:23:3F:65:97:54	AC:23:3F:65:97:54	To add a beacon from TEKTELIC, download the template: TEKTELIC     Test map     4.57     4.47	:
83		•	Guide Test edit	64:7F:DA:12:22:98	To add a beacon from other manufacturers, download the template: Andrii, test 1 2     Other Template Beacon Bulk Import.sv	-
益		•	testfix2	AC:23:3F:00:DA:02	2. Fill in the template. The following fields are required for submission:	-
		•	testfix1	AC:23:3F:00:DA:01	For TEKTELIC beacons:     Device EUI or T-code, Serial Number, Revision	:
*		•	deveuinull	AC:23:3F:5B:8C:5A	Localization Mode (dofault: Regular)     Discovery Timeout (min) (dofault: 120)     Home Site	:
J		٠	Tektelic Andrii beacon update	64:7F:DA:01:82:FC	For other manufacturers:     Beacon Model     Andril_test     6     G     getor	-
āi —		٠	1C9BF	64:7F:DA:01:C8:18	MAC.Address     Localization Mode (default: Regular)     Localization Mode (default: Regular)     Discovery Timeout (min) (default: 120)     Green	-
=;0		٠	8CE7	AC:23:3F:5B:8C:E7	Home 144 2.47 -	:
í		•	8C9A	AC:23:3F:5B:8C:9A	S. Opidad the completed X.SV template from your davice below Home 3.98 5.45 -	:
		•	AC233F65F824	AC:23:3F:65:F8:24	Drag and drop your file here or Home 3.95 2.51 -	:
		•	testregular3	44:34:45:56:67:78	SELECT A FILE 7 8X2 South-West Wing 416 22.53 -	:
		•	testnearest1	23:34:45:56:67:71	Supported file formals: cav Maximum file size 2MB 8X2 South-West Wing 3.75 16.78	:
		•	API8	64:7F:BD:21:12:39	· · · ·	:
		•	API7	64:7F:BD:21:14:31	TEKTELIC-Template-Beacon-Bulk-Import.csv X	:
		•	API6	64:7F:BD:21:11:39		:
		•	testregular	33:34:45:56:67:78	CANCEL NEXT 8X2	:
(B) Version 2.5.2					Page: 1 × Rows per page: 20 × 1-20 of 20 K K	

For details on editing, deleting, CSV export or viewing beacons, refer to the <u>Locus Web App</u> <u>User Documentation</u>

# 4.18 Assign Beacon to the floor plan

1. Navigate to Floor plans menu and select "Floor plan"

0	Floor Plans								(2) test adm
6	Q. Search			5					ADD FLOOR PLAN
T		Floor Plan	Floor Level	Building	Home Site	Tags	Create Date	Last Modified	٢
		1111		Building B	Calgary	-	03-23-2025 09:24 PM	03-23-2025 09:29 PM	:
		Romach Test		Building2	Kyiv		02-28-2025 04:29 PM	02-28-2025 04:29 PM	:
		Test map	1A	Building1	Kyiv		02-27-2025 11:51 AM	03-21-2025 12:12 PM	:
		Andrii_test	test	Building1	Kyiv	blue	01-22-2025 11:24 AM	03-21-2025 12:09 PM	:
		South-West Wing	1	TEKTELIC office	Calgary Test	blue gray green navy	11-11-2024 05:15 PM	11-26-2024 08:56 PM	:
		Home	-	Building2	Kyiv	gray	11-08-2024 04:58 PM	03-21-2025 01:58 PM	:
							Page: 1 V Rows per page:	20 V 1-6 of 6	

2. Open "Beacons" tab.



3. Click on "**Draw mode**" button. Click on the map to assign beacon position. Click on "**Draw mode**".



4. Click on the beacon's pin. Select beacon from the list. Click on "Assign"



# 4.19 Edit Beacon's position

1. Navigate to Floor plans menu and select "Floor plan"

Y	Floor Plans								(2) test admin
	Q. Search								ADD FLOOR PLAN
Ô		Floor Plan	Floor Level	Building	Home Site	Tags	Create Date	Last Modified	٢
E3		1111		Building B	Calgary		03-23-2025 09:24 PM	03-23-2025 09:29 PM	:
٢		Romach Test	-	Building2	Kyiv		02-28-2025 04:29 PM	02-28-2025 04:29 PM	:
R		Test map	1A	Building1	Kyiv		02-27-2025 11:51 AM	03-21-2025 12:12 PM	:
ö		Andrii_test	test	Building1	Kyiv	blue red	01-22-2025 11:24 AM	03-21-2025 12:09 PM	:
*		South-West Wing	1	TEKTELIC office	Calgary Test	blue gray green navy	11-11-2024 05:15 PM	11-26-2024 08:56 PM	:
Ŷ		Home	-	Building2	Kyiv	gray	11-08-2024 04:58 PM	03-21-2025 01:58 PM	:
£1 <b>-:₽</b>	/	/							
0							Page: 1 V Rows per page:	20 🗸 1-6 of 6	кк

2. Open "Beacons" tab.



3. Click on "**Draw mode**". Hold and "drag" beacon to it's new position. Click on "**Draw mode**"

Y	Floor Plans > South-W	/est Wing		(a) test admin
	Details Asset	s Geofences	Beacons Events	
€3 €3	A Search MAC Address 44:34:45:56:67:78	Localization Mode	X (m) Y (m) 🔅	
© ₽	23:34:45:56:67:71 AC:23:3F:5B:8C:99 34:34:45:56:67:79	Regular Nearest Regular	3.75         16.78           9.92         22.76           11.22         16.03	
*				
a <b>∷</b>				
O Version 2.5.2	Page: 1 V Row	s per page: 20 V 1	4of4 K < > >	2m 10 Regular • Nearest • Unassigned

For more details on beacons positioning, refer to the Locus Web App User Documentation

### 4.20 Geofences (Optional)

#### Overview

The specific geofence(s) on either the indoor or outdoor map where the asset was located at the time the device generated the report.

#### **Before You Start**

Ensure you have:

• A list of geofences provided by the customer. See the <u>Getting Started with Locus: Setup</u> <u>Requirements</u> guide for details.

# 4.21 Add new geofence(indoor)

1. Navigate to Floor plans menu and select "Floor plan"

0	Floor Plans								(2) test adm
6	Q. Search			8					ADD FLOOR PLAN
T		Floor Plan	Floor Level	Building	Home Site	Tags	Create Date	Last Modified	٢
		1111		Building B	Calgary	-	03-23-2025 09:24 PM	03-23-2025 09:29 PM	:
		Romach Test		Building2	Kyiv		02-28-2025 04:29 PM	02-28-2025 04:29 PM	:
		Test map	1A	Building1	Kyiv		02-27-2025 11:51 AM	03-21-2025 12:12 PM	:
		Andrii_test	test	Building1	Kyiv	blue	01-22-2025 11:24 AM	03-21-2025 12:09 PM	:
		South-West Wing	1	TEKTELIC office	Calgary Test	blue gray green navy	11-11-2024 05:15 PM	11-26-2024 08:56 PM	:
		Home	-	Building2	Kyiv	gray	11-08-2024 04:58 PM	03-21-2025 01:58 PM	:
							Page: 1 V Rows per page:	20 V 1-6 of 6	

2. Open "Geofences" tab.





3. Select "Draw polygon" or "Draw rectangle" option

4. Define geofence boundaries. Click on "**Draw polygon**" or "**Draw rectangle**" button to exit edit mode. Click on geofence boundaries to open "**Add geofence**" modal window.





5. Select geofence color. Enter geofence name. Click on "Save" button

# 4.22 Add new geofence(outdoor)



1. Navigate to Home menu and select Site.

2. Open "Geofences" section.

P	Home		(a) test admin
0	Navigation Assets Geofences Events (3)	Location: Calgary	Visible assets: 0
▲ ○ <	Navigation Assets Geofences Events (3)           Assets         Geofences         Events (3)           Q. Search         Tags         2   No records were found	Location: Calgary	Visible assets: 0
(B) Version 2.5.2	Page: ▼ Rowsperpage: 20 ▼ 0-0×010  < < > >	002. (rignamng → 0. (rignamng → 0	E

3. Follow the same steps, as for indoor geofence.

For more details on geofences, refer to the Locus Web App User Documentation

## 4.23 Event Rules (Optional)

### Overview

The Event Rules page lets you create and monitor rules that trigger events (e.g., assets entering/exiting geofences) across sites. Event rules are bounded with existing geofences.

#### **Before You Start**

Ensure you have:

• A list of event-rules provided by the customer. See the <u>Getting Started with Locus: Setup</u> <u>Requirements</u> guide for details.

# 4.24 Add new Event Rule (without Webhook)

1. Navigate to Event rules menu and click "Add event rule"

Y	E	vent Rules							(4	test admin
0		Q Search			<b>3</b>				ADD E	VENT RULE
ô			State	Event Rule Name	Event Trigger	Home Site	Tags	Last Triggered	Triggered	0
Ð			Off	off	Asset enters geofence	Kyiv	-	•	0	:
۲			On	indoor 3 exit	Asset exits geofence	Kyiv		-	•	:
R			On	indoor 3 enter	Asset enters geofence	Kyiv	-		0	:
٥			On	indoor 2 exit	Asset exits geofence	Kyiv		•	0	:
*			On	indoor 2 enter	Asset enters geofence	Kyiv	-	-	0	:
.e.			On	indoor 1 exit	Asset exits geofence	Kyiv	-		0	:
			On	indoor 1 enter	Asset enters geofence	Kyiv	-		0	:
-@			On	asset enter calgary	Asset enters geofence	Kyiv	-		0	:
- 0-			On	outdoor 1 enters	Asset enters geofence	Kyiv	-	-	0	:
<b></b>			On	outdoor test event 1	Asset exits geofence	Kyiv	-		0	:
			On	test	Asset enters geofence	Kyiv			0	:
8							Page: 1	✓ Rows per page: 50 ✓	1-11 of 11 K <	> N
Version 2.5.2										

### 2. Enter Name. Select Home Site.

P	Event Rules			Add Event Rule							(A) test admin			
				Add rule S details	Select event trigger	Define event criteria	Set notification preferences						ADD EVEN	TRULE
		State	Event Rule Name E	0	-0	3	-0	т	ags	Last Triggered		Triggered		9
63		Off	off A	Event Rule Name"	Ru	le 1						0		
\$		On	indoor 3 exit A	Home Site'	Ca	lgary	~					0		
22		On	indoor 3 enter A									0		ji i
ø		On	indoor 2 exit A	Description								0		i i
*		On	indoor 2 enter A	Description								0		1
Ŷ		On	indoor 1 exit A									0		1
		On	indoor 1 enter A	This rule will be activ to save the rule with status anytime	ve upon sav out activati	ing. Uncheck 1 ng it. You can o	he box if you want hange the rule's	-				0		
-0		On	asset enter calgary A	status englinte								0		
		On	outdoor 1 enters A					-				0		
		On	outdoor test event 1 A					-				0		1
		On	test A					-				0		1
(i) Viersion 2.5.2				CANCEL			NEXT	P(	age: 1 ~	Rows per page:	50 🗸	1-11 of 11		К
10300232														

3. Select **Event trigger**. Click on "**Next**"



4. Select geofence to bound the event rule. Click on "Next"

P	Event Rule	s											🔔 test admin
					Add rule	Add E	Define event	Set notification					ADD EVENT RULE
		State	Event Rule Name	E	detaits	trigger 2	criteria 3	preferences		Tags	Last Triggered	Triggered	٢
E3		Off	off	A Geofence					~ 🗲			0	:
(#)		On	indoor 3 exit	A			Q Search					0	:
8		On	indoor 3 enter	A			indoor3					0	:
4		On	indoor 2 exit	A			assetenterscal	gary				0	:
4. 4		On	indoor 2 enter	A			outdoor2 indoor2					0	:
*		On	indoor 1 exit	A			ndoor1					0	:
L		On	indoor 1 enter	A			outdoor1 testCreate					0	:
61		On	asset enter calgary	A								0	:
=;0		On	outdoor 1 enters	A								0	:
		On	outdoor test event 1	A								0	:
		On	test	A								0	:
~					CANCEL			NEXT		Page: 1	Rows per page	50 × 1-11 of 11	
Wersion 2.5.2										. ugo. 1	nows por page	1.1.011	

#### 5. Click on "Save" button.

P	Event Rules					A	dd Event	Rule							(Ol	test admin
9					Add rui details	ie Selec s tri	t event D gger	Criteria	Set notification preferences	1					ADD EVE	INT RULE
Û		State	Event Rule Name E		Use this of	ption to ser	nd real-time	e event not	ifications to an		Tags	Last Triggered		Triggered		
63		Off	off A	_	When ena	bled, the w	webhook wi	ll be active	upon saving, and					0		:
٢		On	indoor 3 exit		events wil events wil	I be sent to I only appe	the specif ar within th	fied endpoir ne application dimo	nt. If disabled. on. You can					0		:
<u>A</u>		On	indoor 3 enter		change th	e webhook	status any	ume						0		:
4		On	indoor 2 exit											0		:
*		On	indoor 2 enter											0		:
Ŷ		On	indoor 1 exit											0		:
J.		On	indoor 1 enter											0		:
ai 		On	assot enter calgary											0		:
=;•		On	outdoor 1 enters											0		:
		On	outdoor test event 1											0		:
		On	test /											0		:
Wersion 2.5.2				$\subset$	CAN	ICEL			SAVE	•	Page: 1	<ul> <li>Rows per</li> </ul>	page: 50 ∨	1-11 of 11	K	K

# 4.25 Add new Event Rule (with Webhook)

1. Navigate to Event rules menu and click "Add event rule"

Y	Eve	ent Rules								test admin
		Q Search							AD	D EVENT RULE
ô			State	Event Rule Name	Event Trigger	Home Site	Tags	Last Triggered	Triggered	٢
ß			Off	off	Asset enters geofence	Kyiv	-	•	0	:
\$			On	indoor 3 exit	Asset exits geofence	Kyiv	-		0	:
R			On	indoor 3 enter	Asset enters geofence	Kyiv			0	:
÷			On	indoor 2 exit	Asset exits geofence	Kyiv	-	•	0	:
*			On	indoor 2 enter	Asset enters geofence	Kyiv	-	-	0	:
Ŷ			On	indoor 1 exit	Asset exits geofence	Kyiv	-		0	:
9			On	indoor 1 enter	Asset enters geofence	Kyiv	-		0	:
			On	asset enter calgary	Asset enters geofence	Kyiv	-		0	:
=8			On	outdoor 1 enters	Asset enters geofence	Kyiv	-	-	0	:
1			On	outdoor test event 1	Asset exits geofence	Kyiv	-		0	:
			On	test	Asset enters geofence	Kyiv	-		0	:
(B) Version 2.5.2							Page: 1	✓ Rows per page: 50 ✓	1-11 of 11 K	KK

### 2. Enter Name. Select Home Site.



### 3. Select Event trigger. Click on "Next"

P	Event Rule:	S			🛞 test admin
0				Add Event Rule	ADD EVENT RULE
		State	Event Rule Name	Addrule Select event Define event Set notification details trigger criteria perferences Tags Last Triggered	Triggered
63		Off	off	Geofence Entry	0 <u>i</u>
\$		On	indoor 3 exit	Triggers when an asset enters a specific geofenced area	0 <u>i</u>
22		On	indoor 3 enter	Geofence Exit     Triggers when an asset leaves a specific geofenced area	• :
4		On	indoor 2 exit	A	• :
*		On	indoor 2 enter	A	0 <u>i</u>
¢		On	indoor 1 exit	A	0 <u>i</u>
		On	indoor 1 enter	A	o :
		On	asset enter calgary	A	o :
=;0		On	outdoor 1 enters	A	0 :
		On	outdoor test event 1	A	0 :
		On	test	A	0 :
(B) Version 2.5.2				Page: 1 V Rows per page	50 V 1-11 of 11 K K X

- Event Rules Add Event Rule Select event Define event Set notification trigger criteria preferences Add rule details 0 2 0 0 State Event Rule N Tags ß off Geofence ٢ indoor 3 exit Q Search indoor 3 enter Q indoor3 assetent indoor 2 exit ٥ outdoor2 indoor2 \* indoor1 indoor 1 exit Ľ outdoor1 indoor 1 enter testCreate 6 asset enter calgar =**@** outdoor 1 enters outdoor test event 1 CANCEL 0 1-11 of 11
- 4. Select geofence to bound the event rule. Click on "Next"

5. Enter **URL**. Enter **Headers**. Enter **Body**. Click on "**Test webhook**" to validate integration. Click on "**Save**" button.

Y	Event Rules	;				Ad	dd Event	Rule								(	b) test adn	nin
0					Add rul details	le Select e s trigg	event Di ger	criteria	Set notification preferences							ADD E	VENT RULE	D
		State	Event Rule Name		Use this o	ntion to send	d real-time	event no	tifications to an		Tags	Last Trigg	pered		Triggered		٢	
63		Off	off	A 🔍	external s	ystem via a w	vebhook.		uncutions to un						0		:	
\$		On	indoor 3 exit	A	events wil events wil	ll be sent to t ll only appear	the specifi r within th	ed endpo e applicat	int. If disabled, ion. You can	na					0		:	
22		On	indoor 3 enter	A	change th	e webhook s	status anyt	time							0		:	
4		On	indoor 2 exit	A URL			https:/	//locus.fre	e.beeceptor.co	n	•				0		:	
*		On	indoor 2 enter	A Head	lers(i)					0					0		:	
о О		On	indoor 1 exit	A	{"ApiKey"	:"123"}					•				0		:	
		On	indoor 1 enter	A							-				0		:	
		On	asset enter calgary	A							-				0		:	
=		On	outdoor 1 enters	A											0		:	
		On	outdoor test event 1	A							•				0		:	
		On	test	A Body	0					0	-				0		:	
					1 {"@type":	"WessageCard"	", "@context	OOK	//schema.org/extv	ension								
Wersion 2.5.2				$\subset$	CAN	ICEL			SAVE		Page: 1	✓ Rov	/s per page:	50 ~	1-11 of 11			

Example (in JavaScript):

**URL** : client`s HTTPS server.

#### Headers :

```
{
"ApiKey": "123"
}
```

#### **Body**:

```
{
   "@type": "MessageCard",
   "@context": "https://schema.org/extensions",
   "summary": "{{eventRule.name}}",
   "themeColor": "0076D7",
   "title": "Device {{hit.last.device.eui}}",
   "text": "Event Type: {{eventType}}. Floor:
   {hit.last.indoorLocation.indoorLocation.floor.id}}. Site:
   {hit.last.indoorLocation.indoorLocation.site.id}}"
}
```

## 4.26 Events (Optional)

### Overview

The Events page lets you monitor and analyze events related to assets, such as entering or exiting geofences, across sites, buildings, and floor plans.

S	Events								(a) test admin
	Q, Search	tî.	02/01/2025 02:30 PM ~ 03/25/2025 02:30 PM	×					
0	Timestamp	Event Status	Event Type	Asset Name	Asset ID	Site	Building	Floor Plan	۲
Ð	02-25-2025 02:29 PM	$\odot$	Asset exits geofence	Pelican test	0a891972-18b7-4a05-8a2b-534f25a7f111	Kyiv	Building1	Home	
۲	02-25-2025 12:57 PM	$\odot$	Asset enters geofence	Pelican test	0a891972-15b7-4a05-8a2b-534f25e7f111	Kyiv	Building1	Home	
,92,	02-25-2025 12:47 PM	$\odot$	Asset exits geofence	Pelican test	0a891972-15b7-4a05-8a2b-534f25e7f111	Kyiv	Building1	Home	
0	02-25-2025 12:44 PM	$\odot$	Asset enters geofence	Pelican test	0a891972-15b7-4a05-8a2b-534f25e7f111	Kyiv	Building1	Home	
*	02-24-2025 10:52 PM	$\odot$	Asset exits geofence	Pelican test	0a891972-16b7-4a05-8a2b-534f25e7f111	Kyiv	Building1	Home	
£	02-24-2025 10:52 PM	$\odot$	Asset enters geofence	Pelican test	0s891972-16b7-4s05-8s2b-534f25e7f111	Kytv	Building1	Home	
6	02-24-2025 06:08 PM	$\odot$	Asset enters geofence	Pelican test	0a891972-18b7-4a05-8a2b-534f25e7f111	Kyiv	Building1	Home	
=;0	02-24-2025 02:07 PM	$\odot$	Asset enters geofence	Seal outdoor	7e17ac44-b99f-4023-b558-eb72f9d0108f				
a	02-24-2025 01:30 PM	$\odot$	Asset exits geofence	Seal outdoor	7e17ac44-b99f-4023-b558-eb72f9d0108f		+		
	02-21-2025 06:22 PM	$\odot$	Asset enters geofence	Seal outdoor	7e17ac44-b99f-4023-b558-eb72f9d0108f				
	02-21-2025 06:22 PM	$\odot$	Asset enters geofence	Seal outdoor	7e17ac44-b99f-4023-b558-eb72f9d0108f				
	02-18-2025 04:34 PM	$\odot$	Asset exits geofence	Seal outdoor	7e17ac44-b99f-4023-b558-eb72f9d0108f				
	02-12-2025 04:36 PM	$\odot$	Asset enters geofence	Mocked Seal	055c75d6-1027-442e-8542-9827345bd347			· •	
	02-12-2025 01:51 PM	$\odot$	Asset enters geofence	Pelican test	0a891972-16b7-4a05-8a2b-534f25e7f111	Kyiv	Building1	Home	
	02-12-2025 01:45 PM	$\odot$	Asset exits geofence	Pelican test	0a891972-16b7-4a05-8a2b-534f25e7f111	Kyiv	Building1	Home	
	02-12-2025 01:35 PM	$\odot$	Asset exits geofence	Pelican test	0a891972-15b7-4a05-8a2b-534f25e7f111	Kyiv	Building1	Home	
	02-12-2025 01:35 PM	$\odot$	Asset enters geofence	Pelican test	0a891972-15b7-4a05-8a2b-534f25e7f111	Kyiv	Building1	Home	
	02-12-2025 01:16 PM	$\odot$	Asset enters geofence	Pelican test	0a891972-16b7-4a05-8a2b-534f25e7f111	Kyiv	Building1	Home	
	02-12-2025 12:56 PM	${ \bigcirc }$	Asset exits geofence	Pelican test	0s891972-16b7-4s05-8s2b-534f25e7f111	Kyiv	Building1	Home	
	02-12-2025 12:49 PM	$\odot$	Asset exits geofence	Pelican test	0s891972-15b7-4s05-8s2b-534f25e7f111	Kyiv	Building1	Home	
						Page: 1 V Row	rs per page: 20 v	1-20 of 35 K	< > N
Version 2.5.2									

## **5.** Conclusion

Client need's to physically place beacons accordingly to it's placement on the Floor Plan for indoor tracking.

After than, we need to re-check workability of the complete solution. Position for indoor tracking will be recognized after 4 successfull BLE scan's from the device, WITH valid existing beacon's MAC addresses.