



SENTRAX

# SOLIX Quick Start Guide 2.6

### Contents

1. Prerequisites
2. Setting up SOLIX Platform
2.1. Login Page2
2.2. Dashboard
2.3. Buildings
2.4. Floors
2.5. Add Zones to Floor9
2.6. Add Devices to Floor
2.7. Add New Region to Floor14
2.8. Live Map
2.9. Heat Map
2.10. Add New Notification Rule
2.11. Add New Device Binding
2.12. Tags Studio20



## 1. Prerequisites

- Make sure that the gateways have internet connection and are configured to use Sentrax MQTT broker.
- The Gateways/Locators are not mounted on the ceiling\*.
- Make sure Devices (Tags) are in operational state.
- Make sure computer to use the portal is connected to the internet.
- Any MQTT diagnosis client tool to monitor or debug messages.

Note: The cable side of the Locators is considered 0 degrees. When mounting the Locators on the ceiling, ensure that the 0-degree (cable side) of the Locator is facing the top side of the map displayed on the Solix Platform. (Refer to the guide below for more details).

## 2. Setting up SOLIX Platform

## 2.1. Login Page

1. Go to <u>app.sentrax.com</u> using your browser. It is recommended to use a laptop or personal computer as the website is best viewed on these screens.



Figure 1: Login Page

2. Log in using the credentials we provide via email. Once logged in successfully, you will be redirected to the Dashboard screen



## 2.2. Dashboard

1. On the Dashboard screen, you will have various details and information.

1.1. On top, you will have details of your Gateways, Beacons, Tags and Sensor data. (it will show active status of these devices)

1.2. After that, you will have details about your buildings and their respective floors. (If there are none, these will be empty)

sentrax soux									3	Hi Solix Test Account Welcome to SOLIX Platform	98
Dashboard		Total		Total			Total			Total	
Q Location <	8	Gateways	9	Beacons	- <u>`</u> ́́	0	Sensors	// ↑ ≫ + <mark>⊕</mark> +	25	Tags	8
🗞 Tags 🔍 🤇		3 Online   10 Offline		0 Online   22 Offline			Online   O Offline	_		O Online   25 Offline	
Beacons <	Ba Bui	ildings			Ul Buildings	S alo	hal text / Eloo	r(c)		AUE	loors
Gateways <		laings	_			≈ giu	Dal_text / Ploo	1(5)		All P	
📕 Buildings 🔇 <		global_text	Demo	Test			global_floor_	test		Connect	ted 🔹
Management (		Gateways: 0 Deployed	Gi Gi	ateways: <b>7</b> Deployed			♀ Live Map			Disconnect	ted •
A Notifications		Beacons: 9 Deployed	B	eacons: 0 Deployed						<b>1</b> = 3	51°C
Support <		View Floors	View Floo	ors			Gateways 0	Detail View			56%
		Building A	Live De	emo	- 1		Beacons 🤋 🧕	Detail View		② 35     ③	psi
		Gateways: 0 Deployed	G	ateways: <b>0</b> Deployed							- 11
		Beacons: 0 Deployed	В B	eacons: <b>0</b> Deployed			floor_2			Connect Disconnect	ted 🔹 ted 🔸
		View Floors	View Flor	ors		-	V LIVE Map				- 11
							Gateways	Detail View		🧯 3	n°C
		Building 1	andrea	s test						( e	56%
		Gateways: 0 Deployed	Gi Gi	ateways: 0 Deployed			Beacons 00	Detail View		-	

Figure 2: Dashboard Page

2. On the left side of your screen, there will a navigation panel to navigate through your dashboard pages

## 2.3. Buildings

1. After Login is Successful go to the *buildings* drop-down on the bottom left of the navigation panel

2. And then select *buildings* in the drop-down. (Highlighted in Green Box in Figure 2)

3. It will show the list of Buildings already added to the client account. If no buildings are added it will show no list.

sentrax 🚥	ux.							Hi Solix Test Account, O Q
🙆 Dashboard		Buildings						Add New Building
Cocation		Show 25 entries					Search:	Copy CSV Excel PDF Print
🐃 Tags		Showing 1 to 9 of 9 er	ntries					
Beacons		S.No.	* Building Id	** Name	** Description	** Latitude	++ Longitude	Th Delete Th
Gateways	.5	1	26	global_text	N/A	13.6746	100.611	Delete
Dulldinge		2	27	Demo Test	Office	24.8809	67.0848	Delete
Buildings		3	35	Building A	N/A	33.8048	-85.1727	Delete
Floors		4	37	Live Demo	N/A	24.8809	67.0848	Delete
Zones		5	38	Building 1	plant 1	-34.0568	18.6589	Delete
Regions		6	40	andreas test	N/A	51,1713	7.08323	Delete
Management	¢	7	41	Gfleet Building	N/A	-26.3672	28.1362	Delete
A Notifications	¢	8	42	Test	N/A	46.9498	7.45492	Delete
Support	4	9	43	81	N/A	46.9499	7.45492	Delete
								Previous 1 Next

#### Figure 3: List of Buildings

4. To Add a New Building to an account click on *Add New Building* button on the top right of the screen (Highlighted by **Red Box**). User will be redirected to a new page with a map.



#### Figure 4: Adding New Building Page

5. Firstly, the user will write a location in search text box and search where your building is located (Area, city) to add a new building and click search button to display the second form then, user will write in the building name and write the building description if they want (it is optional and for user reference only)

sentrax 🔤	His Solits Test Account.
😤 Dashboard	Add New Building
Q Location <	Note Search for a facilities release you user to add a shading clok on may where to pleas a shading comparison to add press day
🖏 Tags 🔍 🤇	Super-
Beacons	Building Name Building Description (Optional)
Gateways <	47.05036857761616 8.305147572735924
Buildings -	ОК
Buildings	
Floors Zones	
Devices	
Regions	
S Management (	
Notifications <	
Support (	

#### Figure 5: Adding New Building Page

6. Afterwards the user can click on the map where their building is (building/plot number will be displayed) and the Latitude and Longitude of the building will be automatically filled in the form and an avatar of the building will show on the map as shown in *Figure 5* (**Red Box**).

7. Clicking Okay afterwards will redirect to buildings page with new building added as shown in Figure 6.

sentrax 🛚	OLIX					Welcome to SOLIX Platform
🔁 Dashboard		Buildings				Add New Building
Location	٢	S.No.	Building Id	Name	Latitude	Longitude
Beacons	۲	1	1	Tech Hub Tower	65.5682	23.5332
Gateways	¢	2	4	Creativity Pavilion	24.8786	67.0641
		3	6	Learning Center	46.952	7.45415
. Buildings	Ť	4	7	Wellness Complex	-45.4195	167.715
Buildings		5	10	Business Plaza	24.8805	67.0851
Floors		6	11	Summit Tower	24.8809	67.0848
Devices						
Regions	۲.					
Management	<					

Figure 6: New Building Added in List

8. After this step we will Add Floors to the Building.

### 2.4. Floors

- 1. Ensure that the Locators are not installed on the ceiling (recommended device installation after 2.4).
- 2. To add floors to any building access the *Buildings* drop-down on the lower-left of the navigation panel.
- 3. Then, opt for the *Floors* option in the drop-down menu, as indicated by the Green box in *Figure 8*.



4. This will display a roster of Floors that have already been included in the client account. If no floors have been added, an empty list will be displayed.

sentrax soux					Hi Welcom	Solix Test Account, te to SOLIX Platform
🚳 Dashboard	Floors					Add New Floor
Location <	Show 25 entries				Search:	Copy CSV Excel PDF Print
🗞 Tags 🔇 🤇	Showing 1 to 21 of 21 entri	es				
Beacons <	S.No.	+ Floor Id	Building Name	Floor Name	Description	TA Delete TA
Gateways 🤇	1	63	global_text	global_floor_test	N/A	Delete
🚦 Buildings 🛛 🗸	2	65	Demo Test	Testing Floor	N/A	Delete
Buildings	3	95	Demo Test	Outdoor Test Garage	N/A	Delete
Floors	4	97	Demo Test	Outdoor Garage	N/A	Delete
- Devices	5	102	Demo Test	Outdoor Demo Test	N/A	Delete
Regions	6	103	Building A	Outdoor Multi Test	N/A	Delete
∎ Management 〈	7	104	Demo Test	Deephub Test	N/A	Delete
A Notifications	в	113	Demo Test	Rotate floor test 4	N/A	Delete
Support <	9	114	Demo Test	Omlox test	N/A	Delete
	10	115	Live Demo	Live Demo Test	N/A	Delete
	n	125	Demo Test	Omlox test	N/A	Delete
	12	126	Demo Test	Testing floor demo	N/A	Delete
	13	129	andreas test	Testing Floor	N/A	Delete
	14	131	Demo Test	Gfleet	N/A	Delete
	15	132	Demo Test	gfleet2	N/A	Delete

#### Figure 8: List of Floors page

5. To include a new floor, simply click on the "Add New Floor" button located at the top right of the page, highlighted by the **Red box** in *Figure 8*. This action will direct you to a page where you can both preview the floor you're adding and specify its name and description, as shown in *Figure 9*.

sentrax 🚥	Hi Solix Test Account.
🍘 Dashboard	Add New Floor
O Location <	Draw the Plan Awa by clicking on the map with status 4 paints.
🗞 Tags 🤇 🤇	Balding Name. Please Select Building
Beacons     <	Pace Mane
Gateways <	Floor Name
. Buildings -	Hed bestplan:
Buildings	Hoor Lagerpuon (optional)
Floors	Choose file No file chosen
Zones	Image opacity 10% 20% 30% 40% 50% 60% 70% 80% 90%

#### Figure 9: Add New Floor Page

6. Within the "Add New Floor" section, the user needs to choose the building to which the floor will be assigned and provide a name for the floor, as indicated by the **Blue box** in *Figure 9*.

#### Note: This applies only to AoA Gateways; RSSI Gateways can be deployed freely without restrictions.

7. Now, on floor map click on the **Add Floor Area** button (**Blue Box** in *Figure 9.1*) and draw where you want to add the new floor by reconnecting the points when the floor area is covered (Highlighted in **Red Box** in *Figure 9.1*). The first two dots **Orange Boxes** in *Figure 9.1* will represent the **North Angle** and your **Gateways 0**° should be faced with this in order for accurate resulting.

8. After creating **Floor Area**, click on **Choose File Green box** in *Figure 9.1* and select JPG or PNG of your floor map image. You should see your floor image overlay on the map in *Figure 9.1.1*.



9. You can adjust your image and change its orientation by clicking and dragging each marker **Blue boxes** in *Figure 9.1.1* and change the opacity of your image to better fit it on the map **Green box**.



Figure 9.1.1: Add New Floor Page (Your Map Image)

10. In this case, the **North Angle** is facing the left side of the map as indicated by **N Arrow Red Box** in *Figure 9.1.1* so, your **Gateways 0**° should be aligned with the **North Angle** of the map as shown in *Figure 9.1.2* 

11. If you want to change the **North Angle** of your **Floor Area** (for example; make it facing the right side of the map) drag the corners of the **Floor Area Green boxes** in *Figure 9.1.2* or recreate the polygon. After adjusting the polygon, drag each marker **Blue boxes** in *Figure 9.1.1* to adjust the image orientation as needed. Finally, align your **Gateways 0°** as shown in *Figure 10* 

# Solix Suite – User Guide



Figure 9.1.2: Add New Floor Page (Angle of Locator aligned with the Map View)



Figure 10: Add New Floor Page (North Angle Changed)

12. Now, when you place your Locator on the ceiling it should match the **0**° of your Locator with the map view shown in *Figure 9.1.2 and 10 (See Deployment Guide for Locator Angle reference)* 

Note: Once an image is uploaded to the Solix Platform, it's important to ensure that the angle of your Locator matches the angle of the map view on the platform. It's not possible to change the orientation of your locators once the map is uploaded; they must remain aligned at 0 degrees.



13. Providing a floor description is optional. Upon confirmation by pressing "OK", you will be directed to the Floor list, as displayed in *Figure 11*, with the newly added floor highlighted (**Red Box**).

sentrax soux	=				Welco	Hi Solix Test Account,
🍪 Dashboard	Floors					Add New Floor
O Location <	Show 25 entries				Search:	Copy CSV Excel PDF Print
🖏 Tags 🛛 <	Showing 1 to 21 of 21 er	ntries				
Beacons <	S.No.	↑÷ Floor Id	* Building Name	Floor Name 🕫	Description	The Delete The
Gateways <	1	63	global_text	global_floor_test	N/A	Delete
Buildings 🗸	2	65	Demo Test	Testing Floor	N/A	Delete
Buildings	3	95	Demo Test	Outdoor Test Garage	N/A	Delete
Floors	4	97	Demo Test	Outdoor Garage	N/A	Delete
Zones Devices	5	102	Demo Test	Outdoor Demo Test	N/A	Delete
Regions	6	103	Building A	Outdoor Multi Test	N/A	Delete
🖬 Management 🛛 <	7	104	Demo Test	Deephub Test	N/A	Delete
A Notifications <	8	113	Demo Test	Rotate floor test 4	N/A	Delete
Support <	9	114	Demo Test	Omlox test	N/A	Delete
	10	115	Live Demo	Live Demo Test	N/A	Delete
	n	125	Demo Test	Omlox test	N/A	Delete
	12	126	Demo Test	Testing floor demo	N/A	Delete
	13	129	and reas test	Testing Floor	N/A	Delete
	14	131	Demo Test	Gfleet	N/A	Delete
	15	132	Demo Test	gfleet2	N/A	Delete

Figure 11: New Floor Added

14. From this point onward, you can proceed to add or deploy Gateways and Beacons to the floors.

## 2.5. Add Zones to Floor

1. To add zones to any floor go to the *Buildings* drop-down on the bottom left of the navigation panel

2. And then select **Zones** in the drop-down. (Highlighted in **Green Box** in *Figure 11.1*) It will display list of zones already added to the floors. If no zones are added it will show no list.

sentrax soux	Hi Salix Test A Welcome to SOLD	Account, O A
🍪 Dashboard	Zones	Add New Zone
Location <	Show 25 entries Search: Copy CSV	Excel PDF Print
🐿 Tags 🗸 <	Showing 1 to 1 of 1 entries	
Beacons <	S.No. * Id. ** Building Name ** Floor Name ** Floor Name ** Technology ** Path ** CreatedOn ** UpdatedOn ** UpdatedOn ** Coordinates	↑↓ Delete ↑↓
Gateways <	1 21 Demo Test. Testing Floor LEN-2 Zone rssi 2b7c738c-6370-42c2-862a-c0e75dala5bl 2024 07 22 08:03.39 2024 07 22 08:03.39 Info	Delete
Buildings Y	5	Previous 1 Next
Buildings		
Floors		
Zones		
Regions		



Note: Zones are created to differentiate between different types of Gateways on Solix, It is necessary to create Zones first then deploy the devices inside that Zone. Later on in this guide, you will learn how to assign Zones to the deployed devices.

3. Here to add a new zones click on **Add New Zone** Button on the top right of the page (**Red Box**). It will redirect to a page where the user can view the buildings and floors and set the zone name and technology they are adding. (*Figure 11.1*)



sentrax <b>soux</b>	E ver	Hi Solix Test Account, come to SOLIX Platform	٩	8
🔁 Dashboard	Add New Zone			
O Location	value patrix ensue di vinor ano cora van von Xi onicio una lo anoli tradició na estra varia esta que cuera van			
🗣 Tags 🔍 🤇	Zone Name			
Beacons     <	Demo Test			•
Gateways 🤇	Testing Floor			•
📕 Buildings 🛛 🗸	Test.			
Buildings Floors	Add Zone			

#### Figure 11.2: Selecting building, floor and technology from drop down menu

4. Here, From the drop down box (highlighted with **Red Box** in *Figure 11.2*) select a building then, select a floor, then select the technology type to add a zone. It will redirect to a page where the floor map will be loaded.



#### Figure 11.3: Floor map loaded

5. Now, on floor map click on the **Zone creation** button (**Blue Box** in *Figure 11.3*) and draw where you want to add the zones by reconnecting the points when the zone area is covered (Highlighted in **Red Box** in *Figure 11.3*).

6. After pressing **Add Zone Green Box** in *Figure 11.3* takes the user to the Zones List as shown in *Figure 20* with new zone added shown (**Red Box**).

sentrax soux	=											Wel	Hi Solix Test . come to SOLIX	Account, Platform	0 2	)
🙆 Dashboard		Zones Add New Zone														
O Location <		Show 25 entries Search: Copy CSV Excel PDF Print										DF Print				
🖤 Tags 🧹	E	Showing 1	to 1 of 1 en	tries												ר
Beacons <		S.No. †	• Id. 1	Building Name	14 Floor	Name **	Name +4	Technology	Path	74	CreatedOn	UpdatedOn **	Coordinates	74 <b>D</b>	elete 斗	1
Gateways <		1	21	Demo Test	Testin	ig Floor	LEN-2 Zone	rssi	2b7c738c-6370-42c2-862a-c0e75da1a5b1		2024 07 22 08:03:39	2024 07 22 08:03:39	Info		Delete	I
. Buildings ~														Previous	1 Next	
Buildings																





## 2.6. Add Devices to Floor

To add devices to any floor go to the *Buildings* drop-down on the bottom left of the navigation panel
 And then select *Devices* (Highlighted in Green Box in *Figure 12*) It will show the list of devices already added to the floors. If no devices are added it will show no list.

sentrax 🚥									We	Hi Solix Test Account, come to SOLIX Platform	Û X	
🍘 Dashboard	Floor	Floor Devices Add New Devices										
O Location <	Show 2	Show 25 entries Search: 2b Copy CSV Bucel PDF Print										
🐃 Tags 🤇 🤇	Showing 1 to 3 of 3 entries (filtered from 17 total entries)											
Beacons	S.No.	Device Id 🐄	Device MAC	Device Serial **	Device Type **	Zone Path 74	Building Name	Floor Name **	Latitude 74	Longitude *+	Delete **	
Gateways <	6	380	40:d6:3c:83:77:65	50080020075	Gateway	2b7c738c-6370-42c2-862a-c0e75da1a5b1	Demo Test	Testing Floor	24.880888786709797	67.08479152992368	Delete	
Buildings -	7	381	40:d6:3c:54:30:61	50080010010	Gateway	2b7c738c-6370-42c2-862a-c0e75da1a5b1	Demo Test	Testing Floor	24.880888026316626	67.08472833037376	Delete	
Buildings	8	382	e4:38:19:10:76:77	50080020074	Gateway	2b7c738c-6370-42c2-862a-c0e75da1a5b1	Demo Test	Testing Floor	24.880853200303797	67.08476185798646	Delete	
Floors										Previous	1 Next	
Zones												
Devices												
Regions												

#### Figure 12: Add new devices page

3. Here to add a new device click on Add New Devices Button on the top right of the page (**Red Box**). It will redirect to a page where the user can view the floor they are adding and set name and description. (*Figure 12*)

sentrax 🚥			Hi Solix Test Account, Welcome to SOLIX Platform
Dashboard		Add New Devices	
Ocation	C Demo Test		
🐌 Tags	C Diassa Salast Elear		
Beacons	<		
Cateways	- e		
Buildings	•		
Buildings			
Floors			
Zones			
Devices			
Regions			

#### Figure 13: Selecting floor from drop down menu

4. Here, From the drop-down box (highlighted with **Red Box** in *Figure 13*) select a building then, select a floor where you want to add a device. It will redirect to a page where the floor map will be loaded.



Figure 14: Floor map loaded



5. The devices will be visible on the floor if there are devices already added on this floor (**Red box** in *Figure 14*)

6. Now, on floor map click on the **Device deployment** button (**Blue Box**) and click where you have installed the device. After clicking (Highlighted in **Green Box** in *Figure 15*) on the floor map a pop-up will be appear on the screen (Highlighted in **Red Box** in *Figure 15*) asking to select the device type from the drop-down (Gateway or Beacon).



Figure 15: Selecting device from drop down menu

7. After selecting the Device Type it will list the number of devices (Serial number and MAC address) and a list of zones (Id and Name) if you select AoA Gateway there will be another Text box asking for Gateway Height in meters and if you select RSSI Gateway there will be a slider asking for Calibrated RSSI of the Gateway (This should be accurate as it will be used to track Tags on Live Map page and for accurate results).



Figure 15.1: Selecting AoA Gateway from Device Type drop down menu



*Figure 15.1.1: Selecting RSSI Gateway from Device Type drop down menu* 

8. If you select Beacons from the Device Type drop-down it will only show device drop-down of Beacons (Serial numbers).

9. Select the device you want to deploy and select the zone where your device is installed.

10. To view the zone Id you can click on the zone prior to clicking on **Device deployment** button (**Blue Box**) or you toggle it off and click on the zone to view its information. (Figure 15.2 **Red Box**)



Figure 15.2: Selecting Gateway and Zone from Device Type drop down menu

11. If you select Beacons from the Device Type drop-down it will only show device drop-down of Beacons (Serial number and MAC address) and list of zones (Id and Name).

sentrox soux				Hi Solix Test Account, Welcome to SOLIX Platform	2
Dashboard		Beacon	~	New Devices	
Q Location <	Test	Please Select Beacon	*		~
🗞 Tags 🗸 <	Guide2.6	Please Select a Zone	*		
Beacons <		Submit Close			
Cateways <	+		F	TI Color II	
. Buildings Y					
Buildings					
Floors			-+		
Zones					
Devices		THE PART			

Figure 15.3: Selecting Beacon from Device Type drop down menu

12. Pressing OK takes the user to the Devices list as shown in *Figure 16* with new device added shown (**Red Box**).

sentrax soux	=								We	Hi Solix Test Accoun loome to SOLIX Platfor	t Q A
🙆 Dashboard	Floor [	Devices								Ad	d New Devices
O Location <	Show 25	entries						Search: 2	b	Copy CSV Excel	PDF Print
🐌 Tags 🔇 🤇	Showing 1 t	o 3 of 3 entries (f	iltered from 17 total er	ntries)							
Beacons     <	S.No. **	Device Id 14	Device MAC **	Device Serial **	Device Type	Zone Path	Building Name	Floor Name ++	Latitude *+	Longitude *+	Delete *+
Gateways <	6	380	40:d6:3c:83:77:65	S0080020075	Gateway	2b7c738c-6370-42c2-862a-c0e75da1a5b1	Demo Test	Testing Floor	24.880888786709797	67.08479152992368	Delete
. Buildings	7	381	40:d6:3c:54:30:61	S0080010010	Gateway	2b7c738c-6370-42c2-862a-c0e75da1a5b1	Demo Test	Testing Floor	24.880888026316626	67.08472833037376	Delete
Buildings	в	382	e4:38:19:10:76:77	50080020074	Gateway	2b7c738c-6370-42c2-862a-c0e75da1a5b1	Demo Test	Testing Floor	24.880853200303797	67.08476185798646	Delete
Floors										Previou	s I Next
Zones											
Devices											



## 2.7. Add New Region to Floor

1. To add region to any floor go to the *Buildings* drop-down on the bottom left of the navigation panel

2. And then select *Regions* in the drop-down. (Highlighted in Green Box in Figure 17)

3. It will show the two sub-headings, select *Region List* it will display list of regions already added to the floors. If no regions are added it will show no list.

sentrax	SOLIX	=									Welcome to SOLIX.	platform
Dashboard		Regio	ons									Add New Reg
Location	<	Show 2	5 entries						Searc	h:	Copy CSV	Excel PDF P
🕨 Tags	¢	Showing	1 to 8 of 8 e	ntries								
Beacons	κ.	S.No.	*+ Id.	*+ Building Name	++ Floor Name	** Name **	Attributes	** UpdatedBy	+ CreatedOn *+	UpdatedOn	*+ Co-ordinates	** Delete
Gateways	<	1	21	global_text	global_floor_test	3061_room	N/A	0	2023 10 30 06:49:57	2023 10 30 06:49:57	Info	Delete
Buildings	~	2	22	global_text	global_floor_test	OAF1_room	N/A	0	2023 10 30 06:50:52	2023 10 30 06:50:52	Info	Delete
Buildings		3	23	Demo Test	Testing Floor	test	N/A	0	2023 11 03 06:44:25	2023 11 03 06:44:25	Info	Delete
Floors		4	35	Demo Test	Outdoor Test Garage	Car	N/A	0	2024 05 14 08:29:38	2024 05 14 08:29:38	Info	Delete
Zones		s	37	Demo Test	Outdoor Test Garage	Gate	N/A	0	2024 05 14 11:47:38	2024 05 14 11:47:38	Info	Delete
Regions		6	39	Demo Test	Outdoor Demo Test	Parking #1	N/A	0	2024 05 15 04:05:25	2024 05 15 04:05:25	Info	Delete

#### Figure 17: Add new regions page

Note: Regions are created to receive notifications for tags on Solix, through SMS and Email. Later on in this guide, you will learn how to create a rule for a specific tag and receive notifications when the tag is inside or outside a region.

4. Here to add a new regions click on **Add New Regions** Button on the top right of the page (**Red Box**). It will redirect to a page where the user can view the buildings and floors and set the region name they are adding. (*Figure 17*)

🍘 Dashboard	Add New Region
Contine Continue Control Co	Note: Salece Building and Post, chick on may be define region, write region name and then press? Add Region?
Beacons <	Region Name
Gateways <	Summit Tower
. Buildings ~	Please Select Floor v
Buildings	448 Bearson
Floors	Add Regist

Figure 18: Selecting building and floor from drop down menu



Figure 19: Floor map loaded

5. Now, on floor map click on the **Region creation** button (**Blue Box** in *Figure 19*) and draw where you want to add the zones by reconnecting the points when the zone area is covered (Highlighted in **Red Box** in *Figure 19*).

6. After pressing **Add Region Green Box** in *Figure 19* takes the user to the Regions List as shown in *Figure 20* with new region added shown (**Red Box**).

sentrax soux										Hi Solix Test Acco Welcome to SOLIX Plat	form Q Q
🔀 Dashboard	Region	S									Add New Region
Location <	Show 25	entries						Searc	h:	Copy CSV Ex	cel PDF Print
🖏 Tags 🛛 🤇	Showing 1 to	8 of 8 entrie	95								
Beacons     <	S.No. +	Id. **	Building Name To	Floor Name	Name **	Attributes **	UpdatedBy *+	CreatedOn **	UpdatedOn **	Co-ordinates **	Delete 7+
Cateways <	1	21	global_text	global_floor_test	3061_room	N/A	0	2023 10 30 06:49:57	2023 10 30 06:49:57	Info	Delete
. Buildings 🗸	2	22	global_text	global_floor_test	OAF1_room	N/A	0	2023 10 30 06:50:52	2023 10 30 06:50:52	Info	Delete
Buildings	3	23	Demo Test	Testing Floor	test	N/A	0	2023 11 03 06:44:25	2023 11 03 06:44:25	Info	Delete
Floors	4	35	Demo Test	Outdoor Test Garage	Car	N/A	0	2024 05 14 08:29:38	2024 05 14 08:29:38	Info	Delete
Zones	-	77	Domo Tort	Cutdoor Tech Corono	Cata	N/A	0	2024 05 14 11:47:39	2024 05 14 11:47:78		
Regions	6	39	Demo Test	Outdoor Demo Test	Parking #1	N/A	0	2024 05 15 04:05:25	2024 05 15 04:05:25	Info	Delete

Figure 20: New Region added

## 2.8. Live Map

1. To watch the live location of Tags in a floor of listed buildings, select *Locations* drop-down on the top left of the navigation panel

- 2. And then select *LiveMap* in the drop-down. (Highlighted in Green Box in Figure 23)
- 3. It will show a page where user will be prompted to select floor and building

sentrax soux	Welcome to SOLIX Platform	)
🙆 Dashboard	Live Map	
Cocation Y	Please Select Building	1
LiveMap		





🚯 Dashboard	Live Map	
Cocation ~	Summit Tower	~
<b>LiveMap</b> HeatMap	Please Select Floor	
Beacons <		



5. Here, From the drop down box located at the mid-centre of the page (highlighted with **Red Box** in *Figure 24*) select a floor. It will redirect to a page where the floor map will be loaded.



Figure 25: Floor loaded

6. Now, on floor map a number of pin positions will be displaying, these are Tags live location (Highlighted in **Red Box** in *Figure 26*). You can also filter the tags by clicking on the drop down and selecting a specific Tag to track its live location.



Figure 26: Tags live location

Se



## 2.9. Heat Map

1. To watch the previous location of tags in a floor of listed buildings, select *Locations* drop-down on the top left of the navigation panel

2. And then select Heatmap in the drop-down. (Highlighted in Green Box in Figure 27)

3. It will show a page where user will be prompted to select floor and building

sentrax soux	E Welcome	to SOLIX Platform	3	
a Dashboard	Heat Map			
Location ~	Please Select Building		v	l
LiveMap				,
HeatMap				
Beacons <				

#### Figure 27: Tag previous location / history

4. Here, From the drop down box located at the centre top of the page (highlighted with **Red Box** in *Figure 28*) select a building. It will redirect to a page where the user can select the floor in that building, it will redirect again where you can select the Tag whose previous position you want to see on that floor

sentrax 🚥	Welcome to SOLIX Platform	3
🚳 Dashboard	Heat Map	
Location ~	Summit Tower	~
LiveMap HeatMap	Executive Office	
Beacons <	Please Select Bracon	*
Gateways <		

Figure 28: Selecting floor from drop down menu

5. Here, From the drop down box located at the mid-centre of the page (highlighted with **Red Box** in *Figure 29*) select a Tag. It will redirect to a page where the floor map will be loaded with the heat map of previous location of Tag. (Filters can be used to adjust the duration of Tags movement on a specific date range)



Figure 29: Heat Map loaded

Note: The Heat Map displays the historical positions of tags within a one-month time-frame, resetting the previous data after this period.



## 2.10. Add New Notification Rule

1. To add new notification rule, go to the *Notifications* drop-down on the bottom left of the navigation panel. (Highlighted in the Green box *Figure 30*)

2. It will show the three sub-headings, select *Rules*, it will display list of Notification Rules already added to the list. If no rules are added it will show no list.

	Not	ifica	tion Rules								Add Ne
د د	S.No.	Id.	Comparison Type	Rule	Status	Notification Text	SMS Text	Email Text	CreatedOn	UpdatedOn	Del
¢	1	10	In	Region	A	Device with mac [tagmac] is inside [region]			2023 09 18 09:33:56	2023 09 18 09:33:56	D
κ.	2	11	Out	Region	A	Device with mac [tagmac] is outside [region]			2023 09 18 09:34:09	2023 09 18 09:34:09	D
< C	3	12	Pressed	Button	A	Button pressed of device [tagmac]			2023 09 18 01:03:14	2023 09 18 01:03:14	D
	4	13	Released	Button	A	Button released of device [tagmac]			2023 09 18 01:03:29	2023 09 18 01:03:29	D
	5	14	In	Region	A	New Tag with MAC: [tagmac] is inside this [region]	New Tag with MAC: [tagmac] is inside this [region]	New Tag with MAC: [tagmac] is inside this [region]	2023 11 01 05:26:43	2023 11 01 05:26:43	D
	6	15	Out	Region	A	New Tag with MAC: [tagmac] is outside [region]	New Tag with MAC: [tagmac] is outside [region]	New Tag with MAC: [tagmac] is outside [region]	2023 11 01 05:27:14	2023 11 01 05:27:14	D
×											

#### Figure 30: Add new notification rules page

3. Here to add a new notification rule click on **Add New Rule** Button on the top right of the page (**Red Box**). It will redirect to a page where the user can view the notification rules list and floors and their options with three text boxes (Notification Text, Email Text, SMS Text) (*Figure 31*)

Note: Notification rules are created to receive notifications for tags on Solix, through SMS and Email.

Example Usage: By creating a Notification rule for (Region, In). You will receive Notifications whenever a Tag is inside a Region and if the rule is for (Region, Out) you'll receive Notifications whenever a Tag is outside a Region. You can create Rules for different types of Notifications.

🔀 Dashboard	Add New Rule
Ocation <	Note: Please put (beacomma) where you want to show max address, (beacomain) where you want to show beacon series in number and (pub) where you want to show where to show where the being used in text.
Beacons	Battery
Gateways <	×
📕 Buildings 🔍	Paula por notification sat semplate here
😌 Management 🗸 🗸	
Accounts	Plate put was test template have
Notifications <	
	Peace put email text template here
	Add Rule

#### Figure 31: Selecting rule and options from drop down menu

**7.** Here, From the drop-down box (highlighted with **Red Box** in *Figure 31*) select a rule then, select an option then, type in the text boxes in which format you want your notification to look like.

Note: type [tagmac] where you want to show mac address, [tagserial] where you want to show Tag serial number and [rule] where you want to show value of the rule being used in text template these template tags will be replaced with the actual tag values.

Example usage for inside a region rule: "Your device [tagmac] with serial number [tagserial] is inside [rule]"



8. Pressing on the **Add Rule** button (Highlighted in the **Green Box** *Figure 31*) will redirect to a page where the list of Notification Rules will be displayed.

sentrax 🚥		=								W	Hi Demo1 Velcome to SOLIX Pla	User, itform
Dashboard		Noti	fica	tion Rules								Add New Rul
	<	5 No	Lel.	Comparison	Bulo	Status	Notification Toxt	SMS Tout	Empil Toxt	GraatedOn	UndatedOn	Delote
	< .	3.140.	iu.	Туре	Kule	Jeacus	Notification feat	303 100	Linan reat	createdon	opuatedon	Delete
Beacons	٠	1	10	In	Region	A	Device with mac [tagmac] is inside [region]			2023 09 18 09:33:56	2023 09 18 09:33:56	Delete
Sateways	<	2	11	Out	Region	A	Device with mac [tagmac] is outside [region]			2023 09 18 09:34:09	2023 09 18 09:34:09	Delete
Buildings	< .	3	12	Pressed	Button	A	Button pressed of device [tagmac]			2023 09 18 01:03:14	2023 09 18 01:03:14	Delete
lanagement	< .	4	13	Released	Button	A	Button released of device [tagmac]			2023 09 18 01:03:29	2023 09 18 01:03:29	Delete
Rules	Ť	5	14	In	Region	A	New Tag with MAC: [tagmac] is inside this [region]	New Tag with MAC: [tagmac] is inside this [region]	New Tag with MAC: [tagmac] is inside this [region]	2023 11 01 05:26:43	2023 11 01 05:26:43	Delete
Device Binding		6	15	Out	Region	A	New Tag with MAC: [tagmac] is outside [region]	New Tag with MAC: [tagmac] is outside [region]	New Tag with MAC: [tagmac] is outside [region]	2023 11 01 05:27:14	2023 11 01 05:27:14	Delete
Alerts		7	16	In	Region	А	[tagmac]	[tagserial]	[rule]	2023 11 03	2023 11 03	Delete
Support	۲.	8	17	In	Region	A	Your device [tagmac] with serial number [tagserial] is inside [rule]	Your device [tagmac] with serial number [tagserial] is inside [rule]	Your device [tagmac] with serial number [tagserial] is inside [rule]	2023 11 03 08:13:09	2023 11 03 08:13:09	Delete

Figure 32: New Notification Rule added

## 2.11. Add New Device Binding

1. To bind your rule with your device, go to the **Notifications** drop-down on the bottom left of the navigation panel (Highlighted in the **Green box** *Figure 33*)

2. It will show the three sub-headings, select *Device Binding*, it will display list of Device Bindings already added to the list. If no bindings are added it will show no list.

Dashboard	Device	Bindings					Add New Bind
	S.No.	Notification Rule	Device	Status	CreatedOn	UpdatedOn	Delete
I≫ Tags →	1	Region - In	S0060101001 - C708AD6A0186	A	2023 09 18 09:34:38	2023 09 18 09:34:38	Delete
Beacons	2	Region - Out	50060101001 - C708AD6A0186	Α.	2023 09 18 09:34:55	2023 09 18 09:34:55	Delete
Gateways	3	Region - In	S0050020003 - ED2744369DE3	A	2023 09 18 10:09:48	2023 09 18 10:09:48	Delete
Buildings	4	Region - Out	50050020003 - ED2744369DE3	A	2023 09 18 10:09:56	2023 09 18 10:09:56	Delete
Management •	5	Button - Pressed	50050020003 - ED2744369DE3	A	2023 09 19 07:57:15	2023 09 19 07:57:15	Delete
Notifications ~	6	Button - Released	50050020003 - ED2744369DE3	٨	2023 09 19 07:57:24	2023 09 19 07:57:24	Delete
Rules	7	Region - In	S0070101200 - EE34764DE88E	A	2023 11 01 05:35:00	2023 11 01 05:35:00	Delata
Device Binding							Belete
Alerts	8	Region - Out	50070101200 - EE34764DE88E	A	2023 11 01 05:46:34	2023 11 01 05:46:34	Delete

*Figure 33: Add new device binding page* 

3. Here to add a new device and bind it with your newly created rule, click on **Add New Binding** Button on the top right of the page (**Red Box**). It will redirect to a page where the user can view the Tag list and their rules with four text boxes (Rule Value, Notification Text, Email Text, SMS Text) (*Figure 34*)

JOINGAR			
🍘 Dashboard		Add New Rinding	
S Location <	EE34764DE88E		~
🐃 Tags 🛛 🔇			
Beacons <	In		~
🗖 Gateways 🛛 🔇	Region		
Buildings <	Notification text	SMS text	
🗃 Management 🛛 <	Your device EE34764DE88E with serial number \$0070101200 is inside Region	Your device EE34764DE88E with serial number S0070101200 is inside Region	
Notifications <	Email text Your device EE34764DE88E with serial number 50070101200 is inside Region		
🖺 Support 🛛 <	Add Binding		

#### Figure 34: Selecting tags and rules from drop down menu

4. Here, From the drop-down box (highlighted with **Red Box** in *Figure 34*) select a tag then, select a rule to bind to that tag then, type in the value of rule in text box (rule value).

Note: Notification Text, Email Text, SMS Text will automatically get the tag mac where the [tagmac] tag was used when creating a rule, tag serial where [tagserial] tag was used and [rule] will be taken from the text box Rule Value (Highlighted in Blue box in Figure 34).

5. Pressing on the Add Binding button (Highlighted in the **Green Box** *Figure 34*) will redirect to a page where the list of Device Bindings will be displayed.

sentrax soux		H Solar Test Account, Welcome to SOLIX Platform												
🙆 Dashboard	Device Bi	ndings						Add New E	Binding					
Location <	Show 25 entr	Show         Z5         entries         Copy         CSV         Excel         PDF         Pr												
🐃 Tags 🔍 🤇	Showing 1 to 12 of	12 entries												
Beacons     <	5.No. †	* Notification Rule	Device T	Status *4	CreatedOn	UpdatedOn	74	Delete	7.6					
Gateways 🤇	1	Region - In	50050020003 - ED2744369DE3	А	2023 09 18 10:09:48	2023 09 18 10:09:48		Delete						
Buildings <	2	Region - Out	S0050020003 - ED2744369DE3	A	2023 09 18 10:09:56	2023 09 18 10:09:56		Delete						
🚍 Management 🤇	3	Button - Pressed	S0050020003 - ED2744369DE3	А	2023 09 19 07:57:15	2023 09 19 07:57:15		Delete						
A Notifications Y	4	Button - Released	S005002D003 - ED2744369DE3	Α	2023 09 19 07:57:24	2023 09 19 07:57:24		Delete						
Rules	5	Proximity - Within	S0070101197 - C4ABOCF0947A	А	2023 12 11 11:53:41	2023 12 11 11:53:41		Delete						
Device Binding	6	Region - In	S0070101200 - EE34764DE88E	A	2024 05 14 08:31:59	2024 05 14 08:31:59		Dalata						
Alerts	7	Region - Out	50070101200 - EE34764DE88E	A	2024 05 14 08:32:10	2024 05 14 08:32:10		Delete						

Figure 35: New Device Binding added

## 2.12. Tags Studio

1. To customize your Tags icons and assign them a Tag type or a specific description, go to the **Tags** drop-down of the navigation panel. (Highlighted in the **Green box** *Figure 36*)

2. It will show the four sub-headings, select *Studio*, it will display list of Tags and their information.

sentrax soux								W	Hi Demol User, D Q
🍘 Dashboard	Tags	Studio							Icons Library: 🛃
	S.No.	Tag Id	Tag Name	Tag Type	MAC Address	Serial Number	Description	Icon	Edit
🗞 Tags 🗸 🗸 🗸	1	19	Pinix TOW-1	Personal	F59A16C1EA59	50050020007	test1	No Icon	Edit
Summary	2	20	Pinix TOW-1	N/A	F104DCF1DD15	S005002000B	test2	No Icon	Edit
SensorData Position	3	21	Pinix TOW-1	Personal	29B0D8F40C12	50050020009	asdsad	No Icon	Edit
Studio	-4	22	Pinix TOW-1	N/A	SFFC2C1601D1	S0050020010	No Description	No Icon	Edit
			al l'annus						

#### Figure 36: Tags studio page

3. Here to add a new icon click on **Icons Library** on the top right of the page (**Red Box** figure 37). It will open a pop-up modal where the user can view and add new Tag icons. (*Figure 37*)

sentrax <b>soux</b>					Tags Icon Pack		×		Hi Demoi User.
Dashboard	Tags	Studio							Icons Library: 🔯
Q Location <	5.No.	Tag Id	Tag Name	Tag Type	MA Choose file No file	chosen	Save Close	Icon	Edit
🐿 Tags 🗸 🗸		19	Pinix TOW-1	Personal	F59AIDCIEASU	50050020007	testi		Edit
Summary	2	20	Pinix TOW-1		FI04DCF1DD15	50050020008	tost2		Edit
Position	3	21	Pinix TOW-1	Personal	29B0D8F40C12	\$0050020009	asdsad		Edit
Studio	4	22	Pinix TOW-1		SFFC2C1601D1	50050020010			Edit



#### Figure 37: Tags icon pack

4. By clicking on the **choose file** option, upload the desired icon (*Note: icon size should be 25x25 pixels*) and click **Save** to save the icon in your pack list.

5. After click **Save** button user should be able to view that icon in the **Icons Library** modal. (*Figure 38*)

sentrax soux					Tage loss Back		x	HI Demei User. Welcome to SOLIX Platform			
🍘 Dashboard	Tags	Studio			O location *				icons Library:		
Q Location (	S.No.	Tag Id	Tag Name	Тад Туре	ма			Icon	Edit		
🐿 Tags 🗸 🗸	1	19	Pinix TOW-1	Personal	PS5 Choose file No f	ile chosen	Save Close		Edit		
Summary SensorData	2	20	Pinix TOW-1		FI04DCFIDD15	\$0050020008	test2		Edit		
Position	3	21	Pinix TOW-1	Personal	29B0D8F40C12	\$0050020009	asdsad		Edit		
Studio	4	22	Pinix TOW-1		5FFC2C1601D1	S0050020010			Edit		

Figure 37: Tags icon pack

6. Once an icon has been added in the Icons pack, user can use that icon to assign it to a specific **Tag** which will be used to display the location of that **Tag** on the Live map.

7. To assign an icon to a **Tag**, click on the **Edit** (**Red Box**) button of the desired **Tag** of which you want to change the icon. After clicking a pop-up modal will be opened where you can assign a type, edit the description and set an icon of a **Tag**. (*Figure 38*)

sentrax soux					Edit Tan	×	Hi Demot User.					
Dashboard	Tags S	Studio			Tag Type:				Icons Library: 🔛			
Q Location <	S.No.	Tag Id	Tag Name	Tag Typ	Select Tag Type	~	Description	Icon	Edit			
🗣 Tags 🗸 🗸		19	Pinix TOW-1	Persona	Tag Description:		testl		Edit			
Summary	2	20	Pinix TOW-1	N/A			test2		Edit			
Position	3	-21	Pinix TOW-1	Persona	Tag Iron: 🚇 No iron chosen		asdsad	No.icon				
Studio	4	22	Pinix TOW-1	NI/A.	agree 🖬 reconcision			Noticon	Edit			
Beacons <	5	28	Pinix TOW-1	N/A	Close Si	ave Changes		Nolicon	Edit			
Cateways 5	6	49	Pinix TEN-2	N/A					Edit			

#### Figure 38: Edit Tag

8. Here, user can assign a type, add a description and set an icon for a Tag.

9. Click on the Tag Icon (**Green box**) which will open a pop-up where user can view the Icon pack which they added earlier in **Step #5** (*Figure 39*). Select the desired icon and click **Select Icon** button (**Blue Box**). (*Figure 39*)

sentrax soux					Diniv TEN.2 : 53	×		Hi Demoil User, Q Q			
🚳 Dashboard	Tags S	Studio			Tag Type:				Icons Library: 🔛		
Q Location <	S.No.	Tag Id	Tag Name	Тад Тур	Personal Tag	v	Description	Icon	Edit		
🐌 Tags 🛛 🗸		19	Pinix TOW-1	Persona	Tag Description:	. 1	testl		Edit		
Summary	2	20	Pinix TOW-1	14/A	This Tag is used to monitor a person named "ABC"		test2		Edit		
SensorData Position	3	21	Pinix TOW-1	Persona		1	asdsad		Edit		
Studio	4	22	Pinix TOW-1	N/A	Tag Icon: La lo icon chosen	<u> </u>			Edit		
Beacons C	5	28	Pinix TOW-1	N/A	Q location	-11			Edit		
	6	49	Pinix TEN-2	N/A	Select Icon				Edit		
Cateways (	7	50	Pinix TEN-2		D92D1F649EFB \$0020020002				Edit		

Figure 39: Edit Tag

10. After editing the Tag, click on the Save changes button. (Red Box) (Figure 40)



sentrax sour				Ĩ	Disk TEM 2 - ET	Hill Demot User. Welcome to SOLIX Platform					
	Tags S	Studio			Tag Type:	-		Icons Library: 🖾			
	S.No.	Tag Id	Tag Name	Тад Тур	Personal Tag	~	Description	Icon	Edit		
🗞 Tags 🛛 👻		19	Pinix TOW-1	Persona	Tag Description:		testl		Edit		
	2	20	Pinix TOW-1	N/A	This Tag is used to monitor a person named "ABC"		test2		Edit		
	3	21	Pinix TOW-1	Persona			asdsad		Edit		
Studio	4	22	Pinix TOW-1	N/A	ragicon: 🛃 location.png				Edit		
Beacons <	5	28	Pinix TOW-1	N/A	Close Save Ch	anges			Edit		
	6	49	Pinix TEN-2	N/A					Edit		

Figure 40: Edit Tag

11. Pressing on the **Save changes** button will redirect to Tag Studio page where user can see the changes of Icon Information. (**Red Box**) (*Figure 41*)

Gateways <	6	49	Pinix TEN-2	N/A	E544EB35591B	50020020001	No Description	No Icon	Edit
-	7	50	Pinix TEN-2	N/A	D92D1F649EFB	50020020002	No Description	No Icon	Edit
Buildings <	-	53	Dioly TEN 2	ai/a	RACDEEARCDCD	50030030004	No Decedetice	No Ison	(Second)
🗃 Management 🛛 <	9	53	Pinix TEN-2	Personal	ABCDEFFEDCBA	50020020003	This Tag is used to monitor a person pamed "AB/C"	0	Edit
							The regis accuration a person number rec	•	Cont

Figure 41: Tag Information updated

12. If user want to delete an icon, click on the **Icons Library** (**Red Box**) and click on the (**X**) mark of the icon to delete that Icon. (*Figure 42*)

sentrax soux					Tage Icon Back		×	Welcome	Hi Demol U to SOLIX Platfi	orm D C	
a Dashboard	Tags	Studio					-		lcon	s Library: 🔛	
Q Location (	S.No.	Tag Id	Tag Name	Tag Type			_		lcon	Edit	
🐌 Tags 🗸 🗸		19	Pinix TOW-1	Personal	Choose file No file chosen		Save Close			Edit	
Summary	2	20	Pinix TOW-1		FI04DCFIDDI5	50050020008	test2			Edit	

Figure 42: Delete Tag Icon

**13.** If user wants to delete an icon of a certain **Tag** then upload the new icon in the **Icons Library** and reassign that icon to a **Tag.**