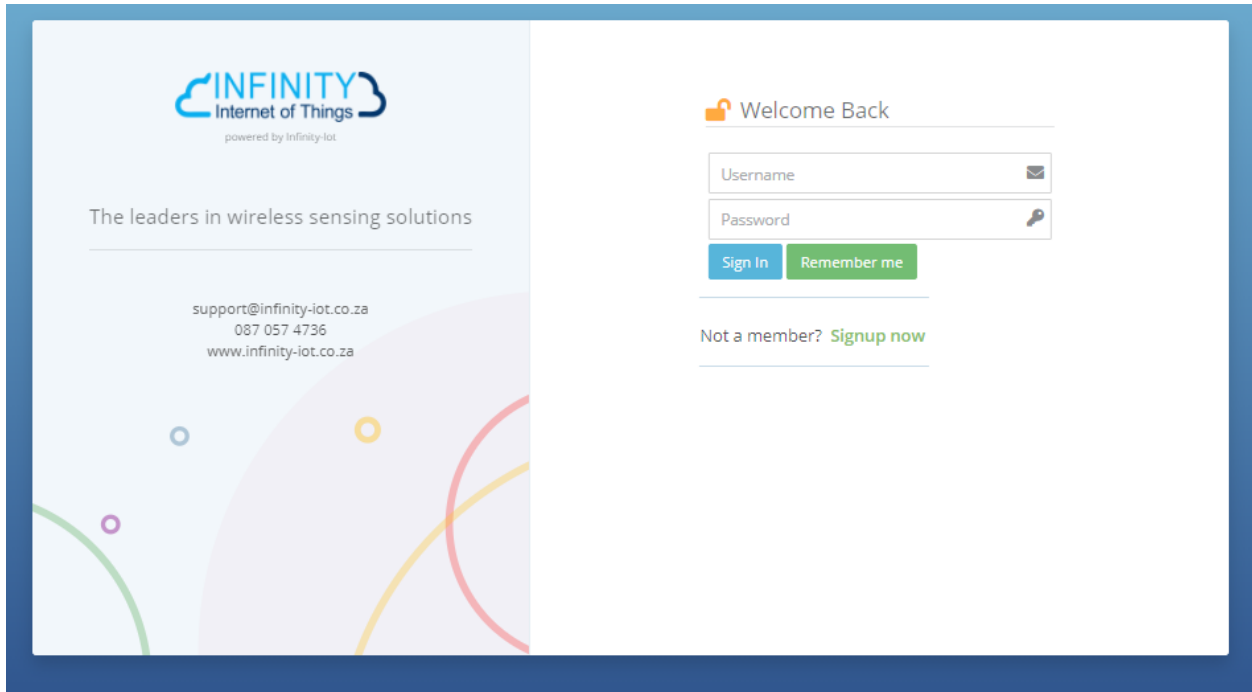




Infinity-IoT Portal

Portal Login:

To login to the portal, please open your preferred browser, and type: app.infinity-iot.co.za.
Login using the details given to you by support.



The first page that'll appear is the sensor dashboard, this is where all your devices will appear.
TIP: TO ACCESS THIS GUIDE FROM THE WEBPAGE, CLICK ON THE MAN AT THE TOP RIGHT OF THE PAGE, AND CLICK "USER GUIDE"

The screenshot displays the sensor dashboard for the INFINITY Internet of Things portal. The top navigation bar includes the INFINITY logo, a search bar, and contact information (support@infinity-iot.co.za, 087 057 4736). The dashboard features a sidebar with navigation options: Sensor Dashboard, Alert Dashboard, Register Device, Account Management, Reports, Monitor, Check Coverage, Logout, Subscription, and Map - testing. The main content area shows a 'Dashboard' header with a search bar and four summary cards: 12 Total Devices, 1 Complaint Subscription, 1 Device not updating, and 0 SMS Credits (801). Below these cards are filters for 'Agri-Sense' and 'Demo', and a 'Show All' button. A table of sensor data is displayed below the filters.

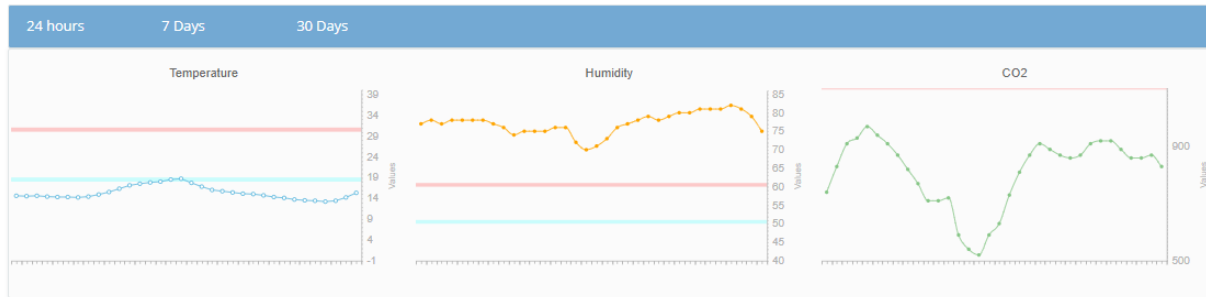
Sensor Type	Company Group	Description	Last Update	Status	Battery
CO2	Demo	2F0E42 2F0E42	2020/09/21 9:40:40 AM	830ppm	>2v
CO2	Demo	33D811 33D811	2020/09/21 8:55:59 AM	810ppm	>2v
humidity	Demo	Demo 33SCCC	2020/09/21 9:41:22 AM	57.3%	3.26v
leak	Demo	Bathroom Upstairs Office 2EA66A	2020/08/17 7:27:17 PM	f000	v
level	Demo	Willie Tank A 33D7BF	2020/09/21 9:21:52 AM	95%	3.215v

Sensor Detail Page

2F0E42 » 2F0E42

» HACCP Report

2020/09/21 9:40:40 AM
Signal: Good 15.3°C
Temperature 75%
Humidity 830ppm
CO2



Sensor Information

Edit Sensor

Sensor Type: CO2

Sensor Name: 2F0E42

Sensor ID: 2F0E42

Location: Office

Lat: -33.88379363409888

Lng: 18.550285336556257

Sensor Group: Demo

Sensor Status: Active

Notification via: Email SMS

Alert NoData:

Calibration: 2020/06/30 10:11:52 AM

Alert Thresholds

Temp Alert: 18 °C to 30 °C

Humidity Alert: 50 % to 60 %

CO2 Alert: 0 ppm to 1100 ppm

Sensor Data

DateTime	TempAvg	HumAvg	CO2Avg
2020/09/21 9:40:40 AM	15.3	75	830
2020/09/21 8:40:54 AM	14.2	79	870
2020/09/21 7:40:59 AM	13.4	81	860
2020/09/21 6:41:08 AM	13.2	82	860
2020/09/21 5:41:15 AM	13.4	81	890
2020/09/21 4:41:20 AM	13.5	81	920
2020/09/21 3:41:28 AM	13.7	81	920
2020/09/21 2:41:32 AM	14.1	80	910
2020/09/21 1:41:41 AM	14.3	80	870
2020/09/21 12:41:52 AM	14.7	79	860
2020/09/20 11:42:00 PM	15	78	870
2020/09/20 10:42:13 PM	15.1	79	890
2020/09/20 9:42:24 PM	15.4	78	910

The sensor details page provides charts with an average reading of the last day, week or month. The “Sensor Data” table shows you the average reading between check-ins.

The “Sensor Information” tab allows you to change and edit the minimum and maximum parameters for that sensor. If the sensor is multi-functioning (the CO2, for example), you have a choice of whether you’d want an alert for all three functions (temperature, humidity, and CO2) or an alert for one specific function.

Please note that alerts need to be activated via SMS or Email on each device as well as on each user.

Additional Sensor Settings

Additional Settings

> View Alerts
> Manage Alerting Schedule
> View Notifications
> Manage Notification Contacts
> Manage Calibration Information
> Manage Service Comments
> Account Information (Consumer)
> Audit log

The additional settings are where you'll be able to find all the extra information and settings on the sensors you'll need: alerts, notifications, setting alerting schedules, setting notification contacts and the audit log.

- “View Alerts” tracks all out of range readings. Not all of these readings will be treated as notifications - for example: if the device goes out of range and reverts back into range within the specified time frame, a notification will not be sent.
- The alerting schedule allows you to schedule when you would like to receive notifications and vice versa.
- The notifications list when a device has gone out of range, along with any extra information you may need.
- You can choose which users get notified by each sensor by selecting “Manage Notification Contacts”, all users associated with the account will be listed here. You select the correct user, and then select “Add Contact”
- You can request and keep your calibration certificates locally under the the “Manage Calibration Information” section.
- You can add comments regarding any service done to the device under the “Manage Service Comments” tab.
- The Audit Log shows you any changes made to the device and it's settings, alongside which user made the changes.

The HACCP Report

Summary - Month Report

Deep Chiller Device Name	34F381 DeviceID	Temperature Description	Elfindale Device Location
Greys Marine (L) Organisation		1364 Readings / Durations: 20460min Data Points Taken	
September 2020 Report Date for	September 2020 Select Report Date	2020/09/25 Report Date	6825min Duration of Breaches
455 Number of Breaches	-5 Threshold Min	0 Threshold Max	-6°C Min Temp Recorded
Temperature			
15°C Max Temp Recorded	-0.8024°C Avg Temp Recorded	-0.4936°C Mean Kinetic Temp Recorded (MKT)	
Humidity (If applicable)			
Humidity Threshold Min	Humidity Threshold Max	Humidity Min Recorded	Humidity Max Recorded
CO2 (If applicable)			
0 CO2 Threshold Min	0 CO2 Threshold Max	0 Humidity Min Recorded	0 CO2 Max Recorded

The HACCP report provides a summary for a specific sensor's entire month's readings. To access the HACCP report, select a device and click on "HACCP Report" on the top right of your page (as seen above).

This report will provide you with every piece of information you'll need, as seen on the image to the left.

This report can be exported as a PDF

Temperature Summary

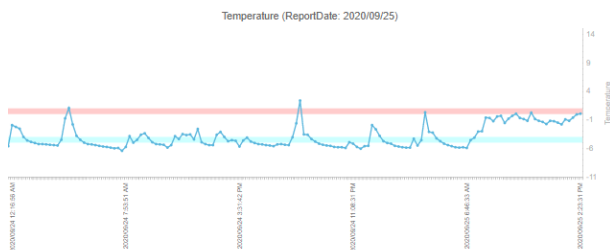
Date	Temperature Range setting	Total Readings	Readings Below Threshold	Readings Above Threshold	Min Reading Recorded	Max Reading recorded	Comments
2020/09/25 12:00:00 AM	-5°C to 0°C	57 (100%)	12 (21%)	0	-6 °C	0 °C	
2020/09/24 12:00:00 AM	-5°C to 0°C	95 (100%)	23 (24%)	2 (2%)	-6 °C	2 °C	
2020/09/23 12:00:00 AM	-5°C to 0°C	94 (100%)	0	7 (7%)	-5 °C	4 °C	
2020/09/22 12:00:00 AM	-5°C to 0°C	94 (100%)	0	4 (4%)	-4 °C	4 °C	
2020/09/21 12:00:00 AM	-5°C to 0°C	95 (100%)	0	3 (3%)	-5 °C	3 °C	
2020/09/20 12:00:00 AM	-5°C to 0°C	94 (100%)	11 (12%)	2 (2%)	-6 °C	2 °C	
2020/09/19 12:00:00 AM	-5°C to 0°C	70 (100%)	1 (1%)	12 (17%)	-6 °C	6 °C	
2020/09/18 12:00:00 AM	-5°C to 0°C	62 (100%)	0	6 (10%)	-4 °C	4 °C	
2020/09/17 12:00:00 AM	-5°C to 0°C	23 (100%)	0	4 (17%)	-4 °C	3 °C	
2020/09/15 12:00:00 AM	-5°C to 0°C	4 (100%)	0	4 (100%)	1 °C	3 °C	

Humidity Summary

CO2 Summary

24 hours info as on: 2020/09/25 3:16:08 PM

152 Readings / Durations: 2280min Data Points	1080min Duration of Breaches	72 Number of Breaches
-6.43°C Min Temp Recorded	2.37°C Max Temp Recorded	-3.9624°C Avg Temp Recorded
-3.6996°C Mean Kinetic Temperature	0 Avg Humidity Recorded	0 Avg CO2 Recorded



Alert Dashboard

Alert Dashboard » overview & stats

Filter Alerts

Agri-SenseDemo

Filter Device Type

Filter 1 day

Filter on DeviceID

Show Active Alerts Show Acknowledged Alerts

Mark Selected as Acknowledged

Add Comments

of Alerts

Alert Type	# of Alerts
Humidity Low	4
Temperature High	1

Mark all

<input type="checkbox"/>	Agri-Sense/Demo	335CCC Demo	2020/09/22 9:59:58 AM HIGH Temp Alert: on 2020/09/22 9:40:02 AM reading of: Humidity:50.8% (50/85) / Temp : 34°C (10/30)	Sent: Temperature High
<input type="checkbox"/>	Agri-Sense/Demo	335CCC Demo	2020/09/21 10:59:56 AM LOW Humidity Alert: on 2020/09/21 10:41:09 AM reading of: Humidity:60.5% (65/85) / Temp : 20.3°C (10/30)	Sent: Humidity Low
<input type="checkbox"/>	Agri-Sense/Demo	335CCC Demo	2020/09/21 10:29:56 AM LOW Humidity Alert: on 2020/09/21 10:11:14 AM reading of: Humidity:56.9% (65/85) / Temp : 26°C (10/30)	Sent: Humidity Low
<input type="checkbox"/>	Agri-Sense/Demo	335CCC Demo	2020/09/21 9:59:55 AM LOW Humidity Alert: on 2020/09/21 9:41:23 AM reading of: Humidity:57.3% (65/85) / Temp : 28.6°C (10/30)	Sent: Humidity Low
<input type="checkbox"/>	Agri-Sense/Demo	335CCC Demo	2020/09/21 9:31:03 AM LOW Humidity Alert: on 2020/09/21 9:11:34 AM reading of: Humidity:61.7% (65/85) / Temp : 29.9°C (10/30)	Sent: Humidity Low

The alert dashboard shows you all active and unacknowledged alerts within a specified time frame. To acknowledge an alert, select the checkbox next to your desired alert (or select “mark all”) and press “Mark Selected as Acknowledged”. This verifies that the issue has been tended to and resolved. You can also view every acknowledged alert by selecting the “Show Acknowledged Alerts” button.

Register Device

The screenshot shows the 'Register Device' page in the INFINITY Internet of Things dashboard. The page has a dark blue sidebar on the left with various navigation options. The main content area is white and contains a form for registering a new device. The form is titled 'New' and includes the following fields:

- Company:** A dropdown menu with 'Agri-Sense' selected.
- Group:** A dropdown menu with 'Select Group' selected.
- Sensor Type:** A dropdown menu with 'Select Type...' selected.
- Sensor ID:** A text input field with a small note below it: "as found on the back of your device e.g: 005 01:0E7790 FF".
- Sensor Name:** A text input field.
- Sensor Location:** A text input field.

At the bottom of the form is a blue 'Submit' button. The user's name 'Josh Mercer' is visible in the bottom left corner of the sidebar.

The “Register Device” page allows you to add your desired sensor to your network, the process is quite an easy one to follow:

- Select your company, group and sensor type.
- Fill in your sensor ID
- Name it
- And add in the sensor location (i.e. Office 3 Door etc).

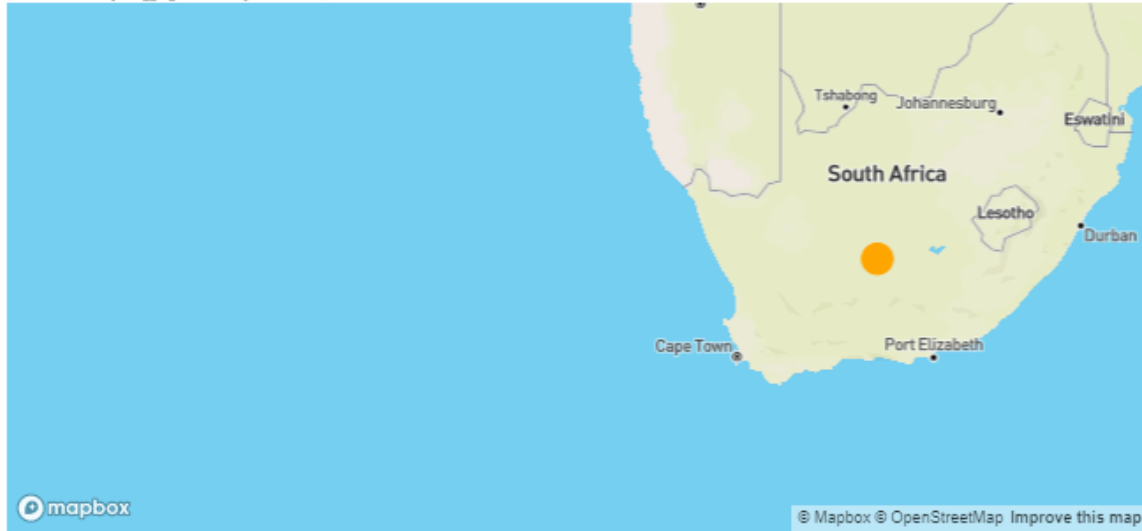
Optional: Consumer Account Number.

Meter reading. (Utility Only)

Optional: Set GPS Coordinates.

23.554795158007835,-30.908841772960876

(Select address by dragging the Dot to your location)



You also have the option of including your account number, meter reading and GPS coordinates for that specific location.

Account Management

Accounts » Settings & Configuration

The screenshot shows the 'Filter Accounts' section with two dropdown menus: 'Agri-Sense' and 'Select Group'. Below this is a navigation menu with four items: '> Manage Company', '> Manage Sub Accounts (Groups)', '> Manage Portal Users', and '> Manage Contacts (Notifications)'. Each item is preceded by a right-pointing chevron.

In the Account Management section, you can manage all your accounts in one place. As an admin user, this is where you'll be adding your clients as groups and portal users.

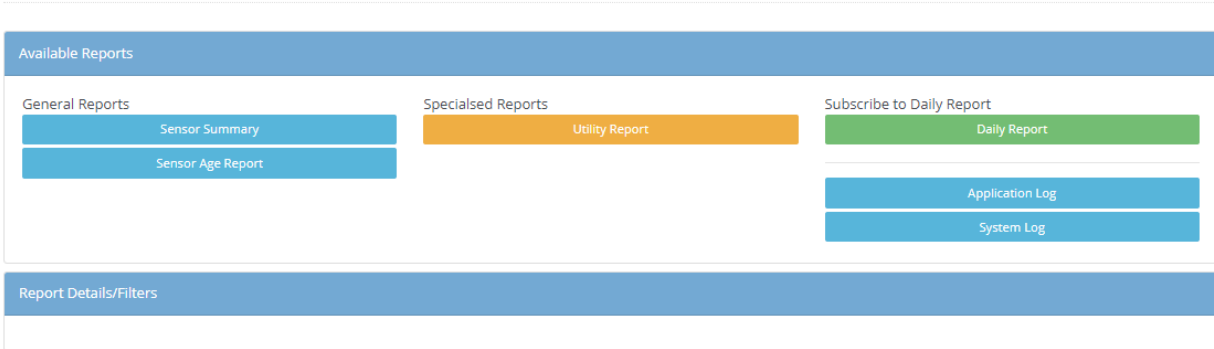
The screenshot shows the 'Portal User Management' form. It includes fields for 'FullName', 'Email Address (Username)', 'Mobile Number', 'Set Password' (with a checked checkbox), 'Password', 'Confirm Password', 'User Role' (set to 'Normal User'), and 'Status' (set to 'Active'). There is a 'Generate' button next to the password field and a 'Save User' button at the bottom. A '0' is displayed at the bottom left of the form area.

The process of adding a new account is as straightforward as you can get, just fill in their full name, their email address (which will be used at their username), and their password. After that, select their role in the system and select "Save User". The process is not much different from adding a new company or group. You need to remember to enable SMSs and Emails on a company level when creating a new company.

The screenshot shows the 'Company Account Management' form. It includes fields for 'Company Name', 'Contact Name', 'Contact Email', 'Contact Number', 'Notification FROM Address' (pre-filled with 'alerts@infinity-iot.co.za'), 'Available Credits', and 'Load Credits' (set to '0'). There is a 'Load credits' button and a 'Status' dropdown menu (set to 'Active'). At the bottom, there are checkboxes for 'Enable Email' and 'Enable SMS', and a 'Save Company' button. A '0' is displayed at the bottom left of the form area.

Reports

Reports » overview & stats



The report page is where you'll get necessary information for your account and sensors in one place.

The "Sensor Summary" report will let you know exactly how many of each sensor you have.

The "Sensor Age" report will let you know when a device was first activated on the system - this will make dealing with warranties easier as it is built into the site.

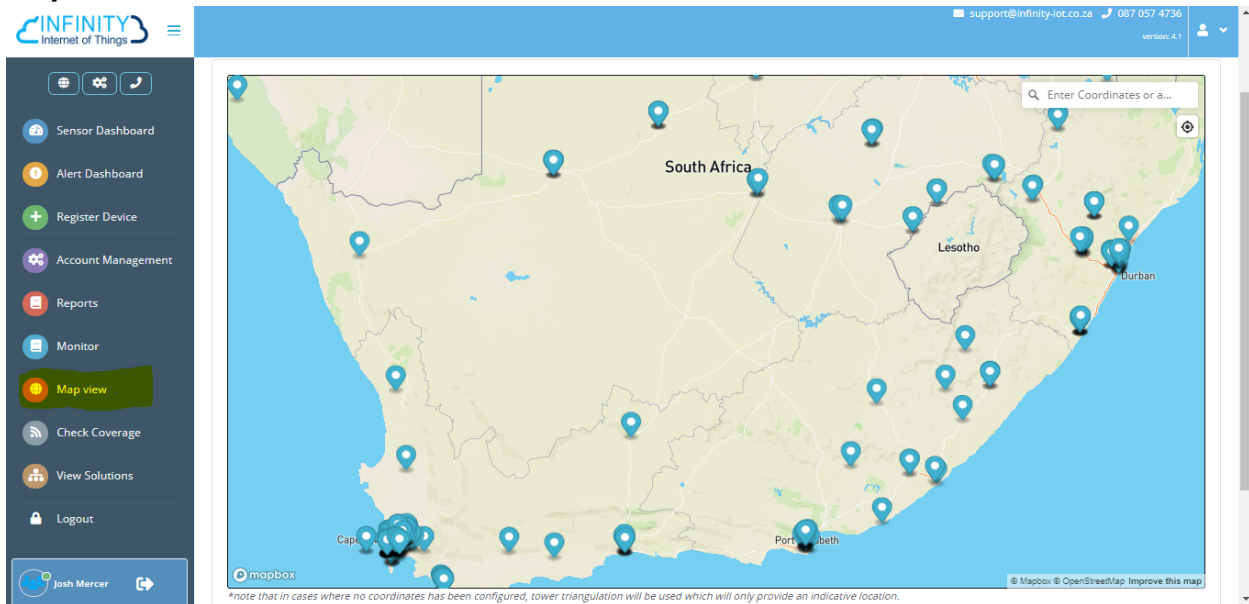
The "Utility Report" explains the cost of

You can subscribe to the "Daily Report" to get daily updates on all of your devices sent to your email.

The "Application Log" allows you to view changes/additions that have been made on your system.

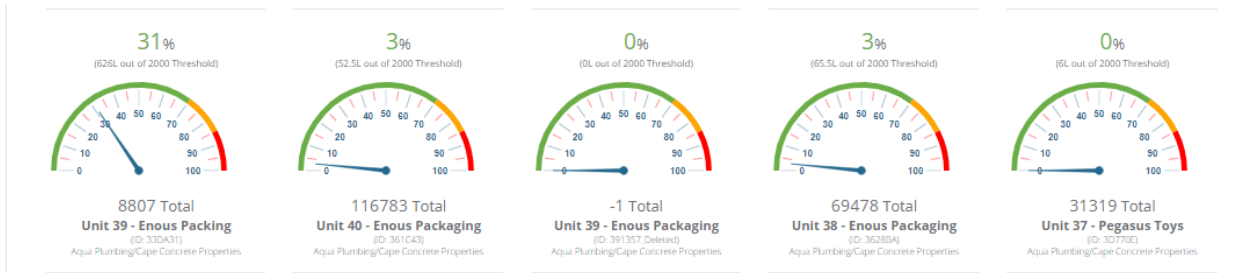
The "System Log" allows you to view all activity on your portal.

Map View



Map view allows you to see where your sensors are located on a map. You can locate a specific sensor by typing in it's ID by the top right of the screen.

Monitor



The monitor page allows you to track the usage of your system.

Check Coverage

[Sigfox Coverage](#) » Signal & Basestations

The 'Check Coverage' section of the website features a form on the left and a map on the right. The form includes a text input field for coordinates, a dropdown menu for selecting the Sigfox network, and a 'Check coverage' button. The map on the right shows a map of South Africa and surrounding regions, with a red dot indicating the location of the device. The map is powered by Mapbox and OpenStreetMap.

The “Check Coverage” section of the website allows you to check if a certain area has Sigfox capability. To use the coverage map, simply get the coordinates of the area you’d like to check and copy that into the first textbox, and select the correct Sigfox network according to country.

View Solutions

The screenshot shows the 'View Solutions' page of the InFINITY IOT Solutions portal. The page is divided into a sidebar and a main content area. The sidebar on the left contains navigation links: Sensor Dashboard, Alert Dashboard, Register Device, Account Management, Reports, Monitor, Map view, Check Coverage, View Solutions, and Logout. The main content area is titled 'Infinity IOT Solutions' and includes a 'What's new' section with the following updates:

- Version 4.1 Update - 2020/10/15**: Added Address lookup capabilities on MAP pages / Administrators can now add normal users to more than one group.
- Added MAP View - 2020/10/08**: Map View, now gives you a visual representation of where your sensors are installed. The data uses either the configured GPS coordinates saved on your sensor or if these are not manually provided it will use the Tower triangulation to compute the indicated location of the sensor.
- Version 4.1 update - 2020/10/08**: Bug fixes and New solution page was added.
- V4 Release - 2020/10/08**: Contact us for training

To the right of the updates is a banner for 'More Infinity IOT Products' featuring a 'COMMERCIAL REFRIGERATION MONITORING SOLUTION'. The banner includes icons for 'Automated Alerts', 'Long Life Sensors', 'Sensor Hubs', 'Analytics & Reporting', and 'Remote Monitoring'. It also displays '24/7 AUTOMATED TEMPERATURE MONITORING' and a smartphone showing the app's interface with a temperature reading of 10.47.

Our last page, “View Solutions” showcases the latest updates to our site and products. You can view version update information here, as well as view our products by clicking on the banner to the right.