

# Verigo

Truth in Transit

## User Guide

Mobile App  
Pods  
Cloud

JANUARY 2018



Verigo  
Truth in Transit

## USER GUIDE

### TABLE OF CONTENTS

#### Getting Started

How to Download Verigo's App	2
Creating an Account	3
Signing In	4
Guest View	4
Retrieving and Resetting Lost Account	5

#### Using Verigo's App

NEARBY PODS: HOME SCREEN	6
Pod Overview	6
Levels of Alert	7
Selecting a Pod	7
Pod Status	8
Pod Graph	9
Pod Settings	10
STARTING A POD	11
Session Name	12
Logging Details	13
Alert Settings	13
Advanced Settings	14
Selecting your Pod	14
Confirm Settings and Activate	15
STOP LOGGING SESSION	16
Stop Pod	16
Sharing Session Data	17
USER SETTINGS	18
Auto Sync	18
Saving Settings	18
USING VERIGO CLOUD	19
Cloud: Search	19
Cloud: Accessing Data from a Pod	20
Cloud: Sensor History	21
Cloud: Event History	22
Cloud: Admin	23
Cloud: Custom Product Life Profiles	23
Cloud: Settings	24

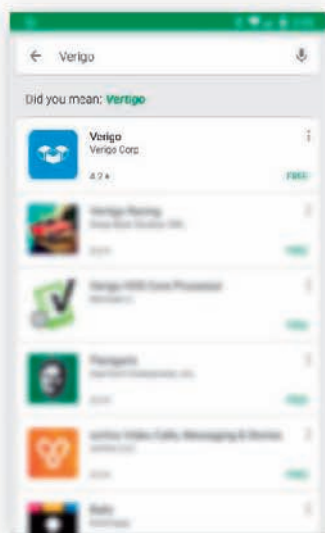
# GETTING STARTED

## HOW TO DOWNLOAD VERIGO'S APP

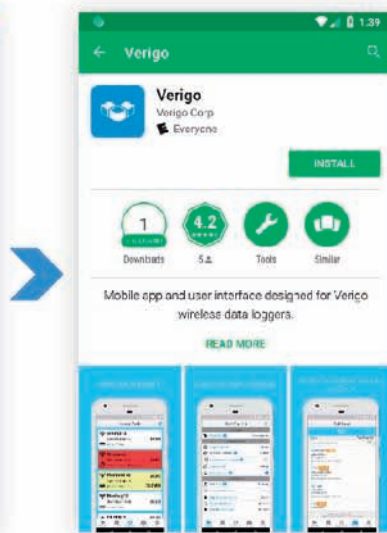
To interact and view your Pod's logged data, you will need to download the free Verigo app from the Apple App Store® for iOS™ or Google Play Store™ for Android™.

You may also visit Verigo's website on your mobile device to get a direct link to Verigo's app in the App Store or Google Play Store.

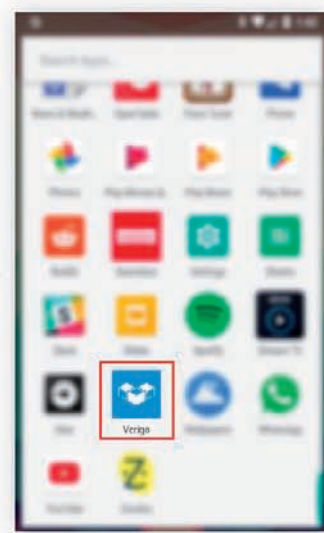
1. Navigate to the Apple App Store or Google Play Store on your mobile device
2. In the search bar, enter "Verigo"
3. Download and Install the application.



Go to the App or Play Store and search for "Verigo".



Install the app on your mobile device.



Tap to open Verigo's app.

## CREATING AN ACCOUNT

Prior registering an account verify if your company is already registered and contact your administrator about creating you an account within the company. If not, then select the option to register a new company and follow the steps below.

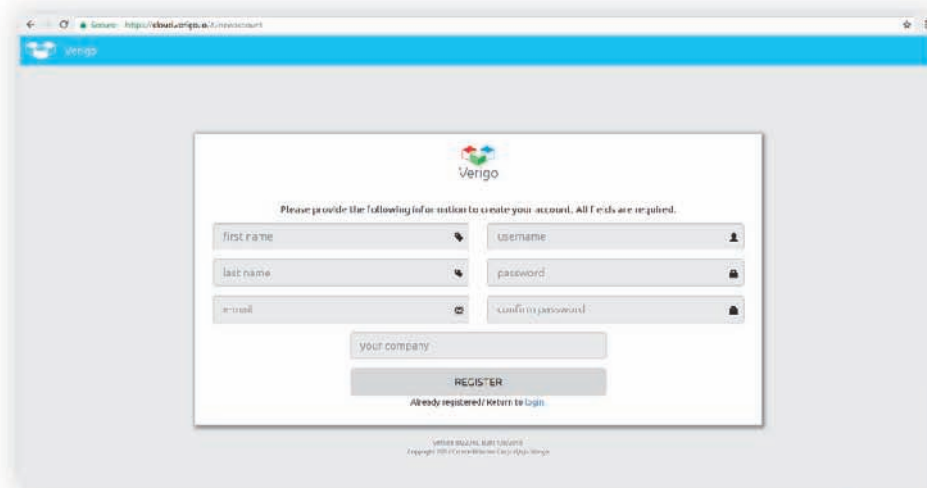
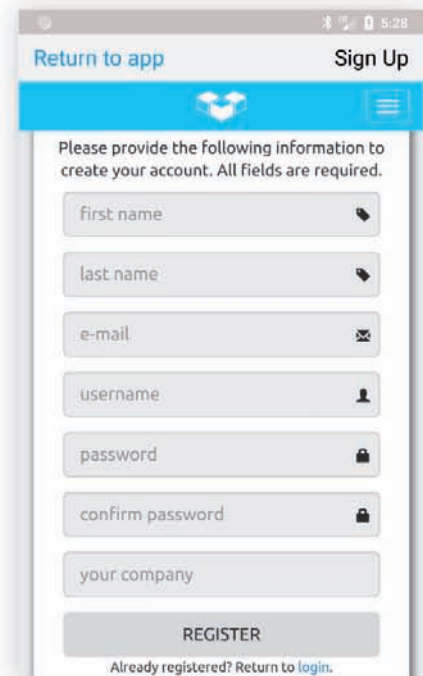
There are two ways to create a Verigo account:

1. From Verigo's app on your mobile device, or
2. Visit Verigo's Cloud site ([cloud.verigo.io](http://cloud.verigo.io))

To register a new company account with Verigo using the mobile app, fill out all the required information in the text boxes:

- First name
- Last name
- Valid email address for validation and to retrieve account information.
- Username for logging in to Verigo's Cloud and mobile app
- Password for logging in to Verigo's Cloud and mobile app. Password must have at least eight characters and contain at least one capital letter, one lower case letter, and one number
- Password confirmation
- The name of the company that is registering

After registering you will receive an email confirmation to complete the registration process.



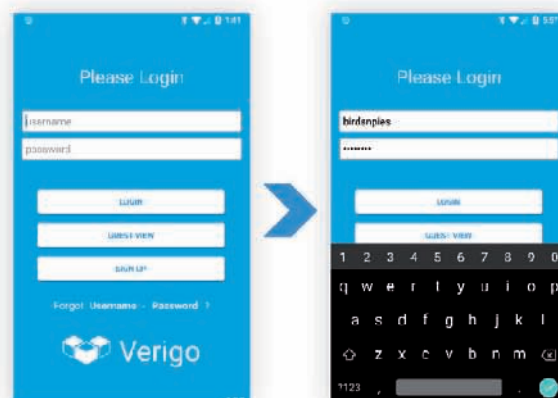
You may also register direct on our cloud web site at [cloud.verigo.io](http://cloud.verigo.io)



## SIGNING IN

To interact with and manage nearby Pods simply enter your account's credentials.

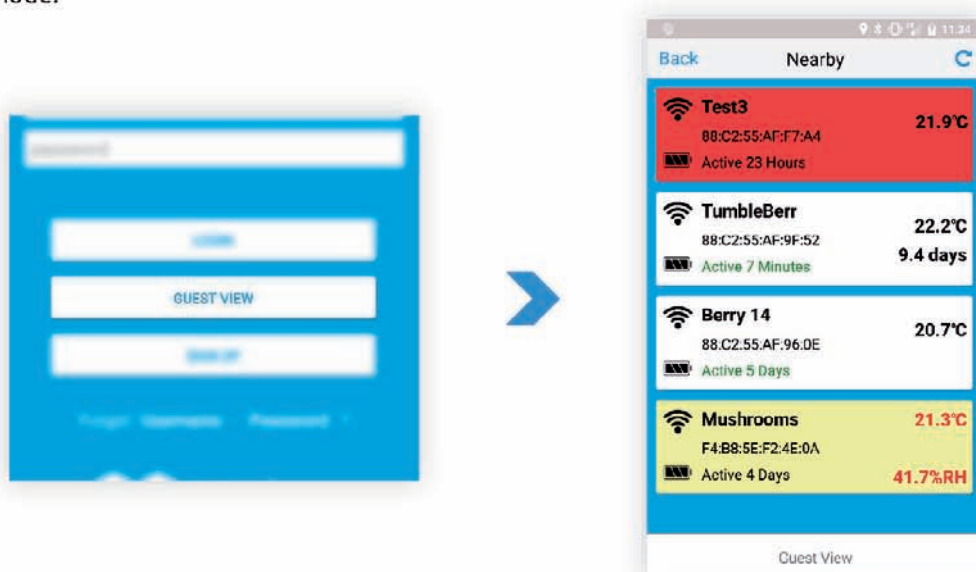
1. Enter your username on the first text box where it says "username".
2. Enter your password in the second text box where it says "password".
3. After entering your information tap the Login button.



## GUEST VIEW

You do not need to have an account to view nearby Pods. If you simply want to see the current reading of the nearby Pods simply select the "Guest View" option on the login screen. "Guest View" allows you to view the nearby pods without having a registered account.

However, you will not be able to start, stop, and view your Pods entire data session in "Guest View" mode.



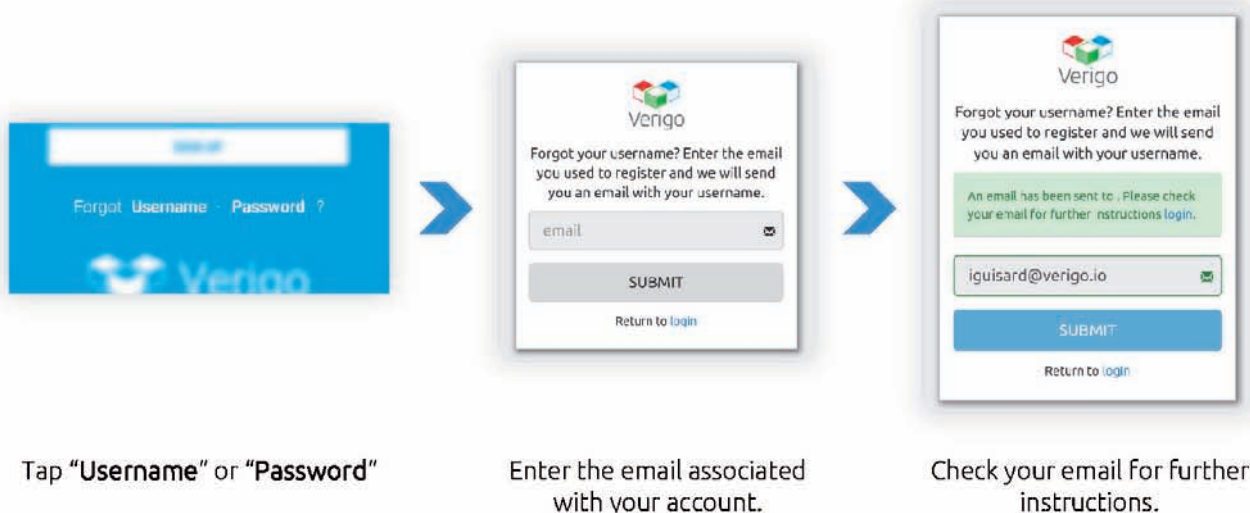
Tap the "GUEST VIEW" button on the login screen to see nearby Pods.

## RETRIEVING LOST ACCOUNT INFORMATION

If you do not remember your username or password, there are two routes to recover and reset your account credentials. You can either recover from the mobile app, or you can visit Verigo's Cloud home page on the web at [cloud.verigo.io](https://cloud.verigo.io)

If you are using Verigo's app to recover your account information, follow these steps:

1. Tap the Sign-Up button at Verigo's app home screen.
2. Tap the Login link near the bottom of the page.
3. Choose which information that you wish to recover.
  - a. Tap the Forgot your password? link if you are trying to reset your password or;
  - b. Tap the Forgot your username? link if you are trying to recover your username.
4. Enter the email you used to register your account and tap the SUBMIT button.
5. After you submit you will receive an email with further instructions.
6. If you are using an Internet browser to recover your account credentials visit: [cloud.verigo.io](https://cloud.verigo.io) (Skip steps 1 and 2)



## USING VERIGO APP

### NEARBY PODS: HOME SCREEN

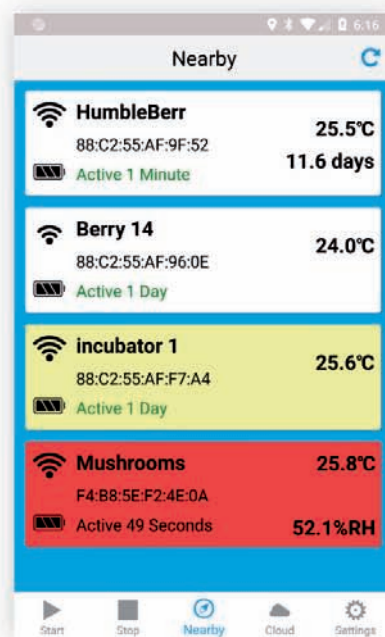
After entering your credentials and successfully signing in to your account, you are directed to the **Nearby** Pods tab, the home screen.

This screen shows all the currently active Pods near you up to a range of 40 meters (~120 ft.) \*. This screen shows the most basic and vital information about your Pod(s).

### POD OVERVIEW

Each individual row is a Pod that is currently active near you. The information displayed is the following:

1. Pod's wireless signal strength.
2. Battery remaining indicator
3. Current name of the Pod
4. Unique unit identification number (MAC address)
5. Indicator of Pod's time active for current session.
6. Real-time temperature (30 second updates)
7. Real-time humidity (Available only on Pod Humidity models).
  - a. Real-time remaining Product Life data (Available only on Pod Quality models)



*\*The range of 40 meters assumes certain conditions. This could be affected by building materials, other devices, weather, cosmic rays, sunspot activity, etc.*







## LEVELS OF ALERT

The background of the rows in the home screen will sometimes change color due to a Pod having an alert. There are three levels of alert that are shown on the **Nearby Pods** screen:

**White** background indicates that Pod has no alerts.

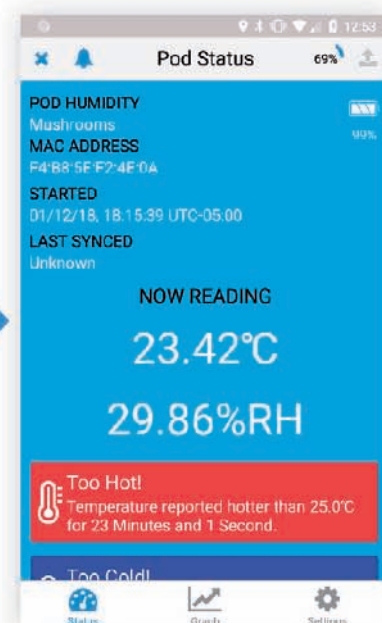
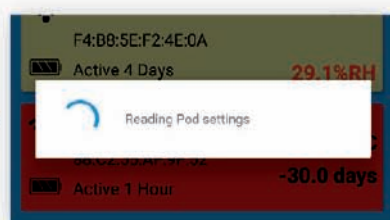
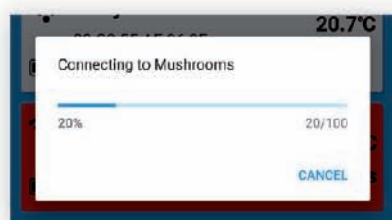
**Yellow** background indicates that a nearby Pod has had its multi-use button recently pressed.

**Red** background indicates that the Pod has an alert based on thresholds set for the device.

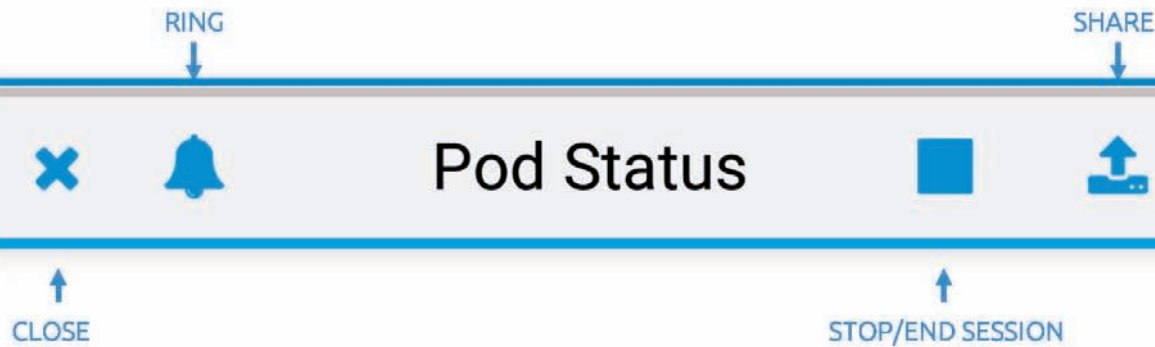
 <b>Berry 14</b>	<b>24.0°C</b>
88:C2:55:AF:96:0E	
 Active 1 Day	
 <b>incubator 1</b>	<b>25.6°C</b>
88:C2:55:AF:F7:A4	
 Active 1 Day	
 <b>Mushrooms</b>	<b>25.8°C</b>
F4:B8:5E:F2:4E:0A	
 Active 49 Seconds	<b>52.1%RH</b>

## SELECTING A POD

If you wish to select a Pod to view its current logged data, simply tap on the row of the Pod of your choice. Upon selecting a Pod, Verigo's app will attempt to establish a connection with the Pod if it is within range.



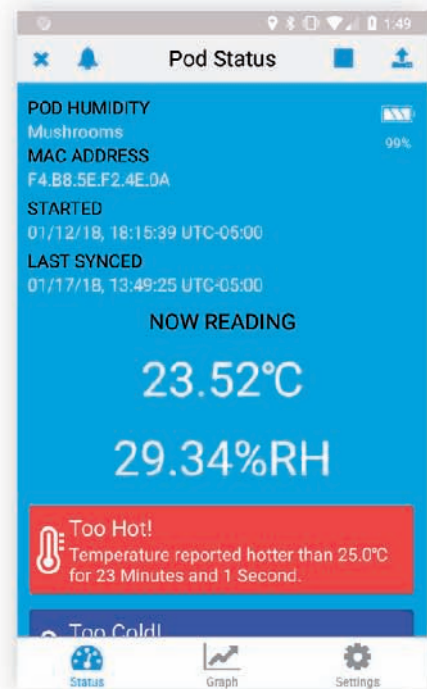




## POD STATUS

The Pod Status screen displays vital information about your Pod. Starting at the top of the user interface, there are three key features that allows you to:

- **Ring** Pod to generate a short sound to easily locate your Pod.
- **Stop** Pod to end the current monitoring session and synchronize all logged data.
- **Share** Pod's Data in CSV or PDF, or share a tracking link by email and other social media.
- Upon connecting to a Pod, Verigo's app will automatically retrieve all stored data. On the Pod Status screen, the following information is displayed:
  - Model of your Pod
  - Name of your Pod
  - MAC address
  - Battery level
  - When was the Pod started (date and time)
  - When the Pod was last synchronized to Verigo's Cloud.
  - Real-time temperature, humidity, and Product Life measurements (Humidity only available on PA0 model, Product Life only available on PH0 model).
  - Reports of alarm conditions.





Status

↑  
LIVE STATUS



Graph

↑  
GRAPH



Settings

↑  
SESSION SETTINGS

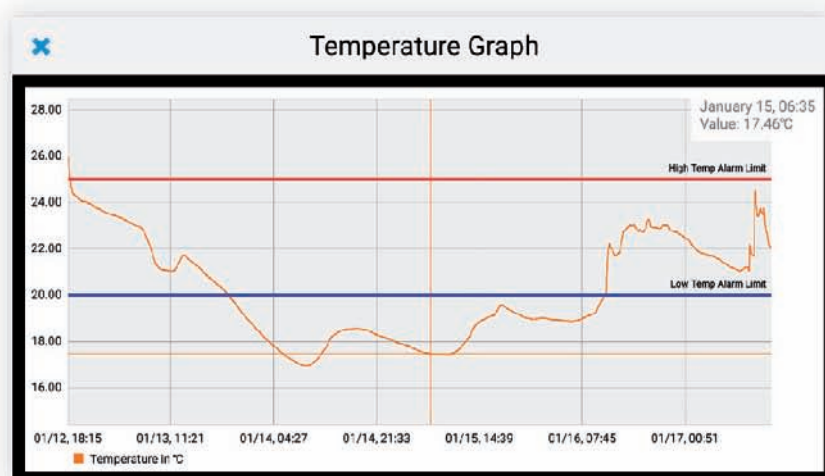
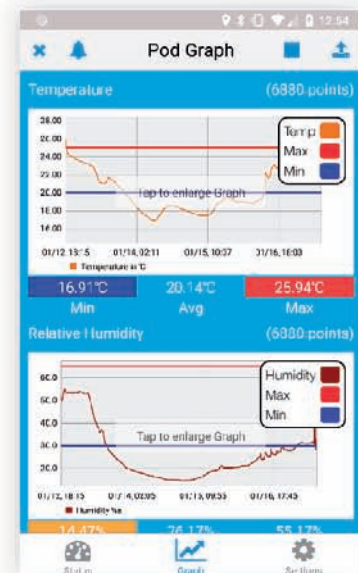
## POD GRAPH

To view a graph of your Pod's logged data, select the graph button after establishing a connection to a Pod. This feature allows you to interact with your Pod's data.

The first graph shows the temperature logged and recorded for the duration of this monitoring session. If available, the second graph shows the relative humidity that your Pod was exposed to for its duration or the remaining life of your product depending on what Pod you are using.

## POD GRAPH: KEY FEATURES

The plotted graph is fully interactive. To view a specific part of the graph you can pan and zoom-in or out by pinching or expanding your fingers outwards in a similar manner to viewing pictures or maps in other applications.



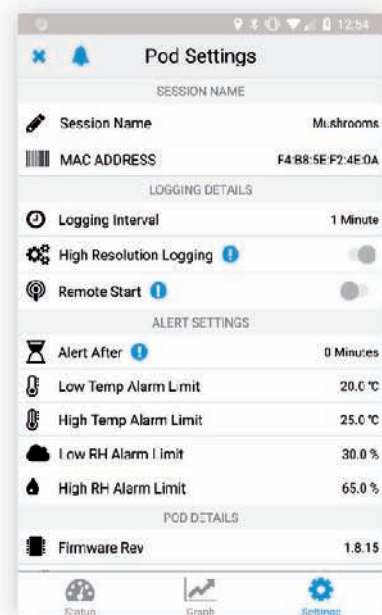
## POD GRAPH: KEY FEATURES CONTINUED

If you wish to view a specific point on the graph, simply tap and hold on the part of the graph for a second to trace the recorded data. This will display the date of its recording, time, and the exact data value of that point (relative humidity is only available on PA0 model).

For mobile devices with small screens there is a unique feature to help you analyze data with ease. Simply tap your finger over the graph to view the recorded data in full screen. This action will rotate and lock the plotted graph in a vertical position for a higher resolution of data.

## POD SETTINGS

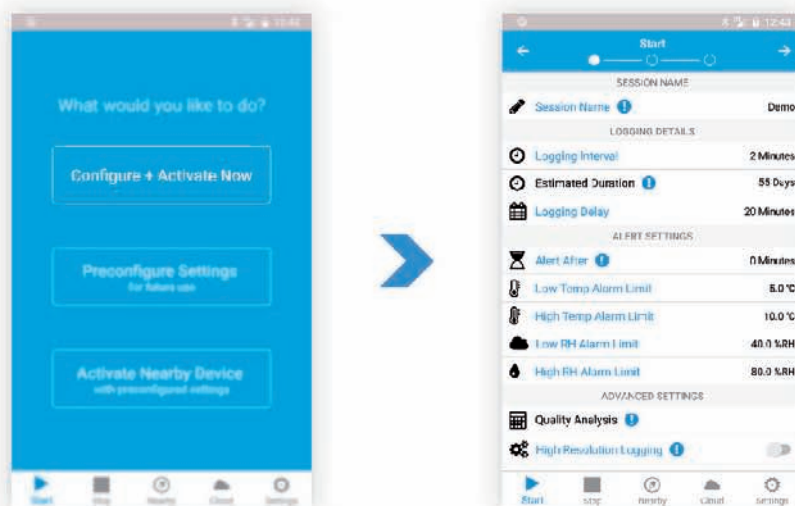
You can also view the settings that are currently programmed for this session of data logging by tapping on the [Settings](#) button. These settings cannot be changed while the Pod is active.



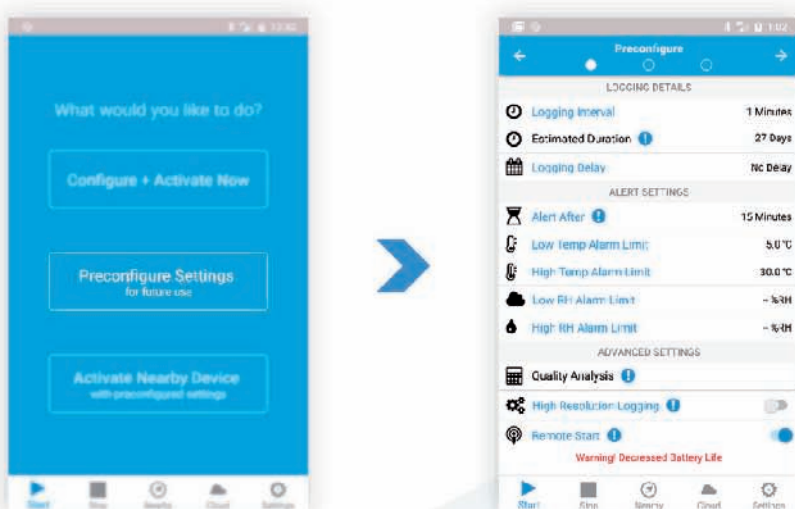
## STARTING A POD

As of Q1 2018 the start tab on iOS and Android have different workflows. To start a Pod session on an iOS device, tap the “Start” tab. On Android device, we have updated the user interface for starting logging sessions. To start a logging session on Android there are three options that you can choose from. You may;

**Configure + Activate Now**, here you can configure settings to your Pod and activate it immediately.

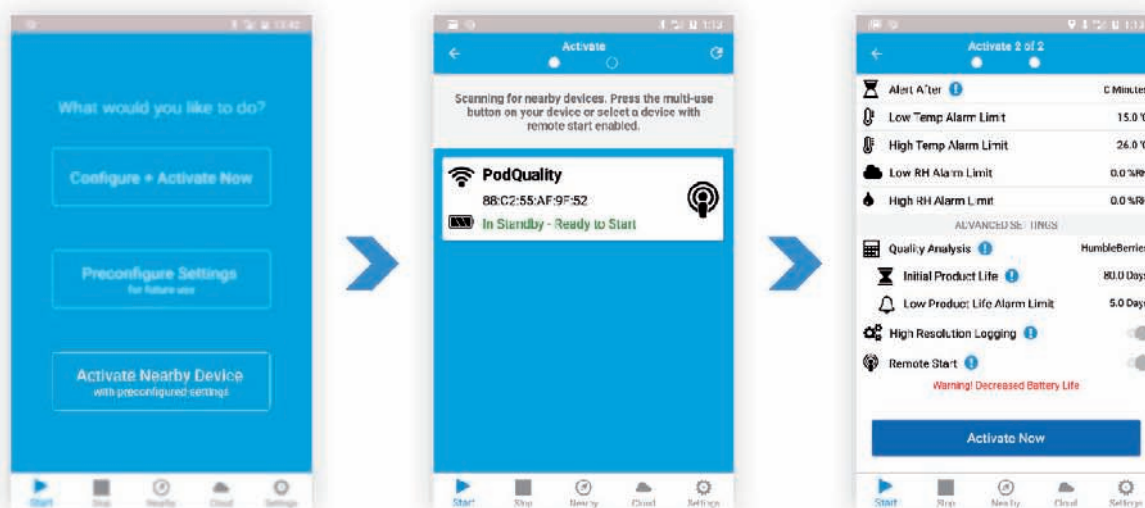


**Preconfigure Settings for future use**, if you choose this option you may write settings to your logger to later activate by pressing and holding the multi-use button on your Pod for 5 seconds. You may also place your Pod in standby mode where the Pod can be activated wirelessly later using the Activate Nearby Device tab. This Feature is not yet available on iOS.





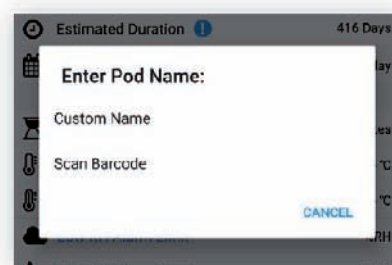
**Activate Nearby Device with preconfigured settings**, here you can view the settings that are configured to your Pod and activate any nearby inactive Pods. You may wirelessly activate Pods that are configured for remote start activation and/or simply press the multi-use button on the Pod and select the from the list to view the configured settings and activate it.



## CONFIGURING A POD

Setup how the Pod will collect data and alert for each session.

To make changes, simply tap the setting you want to customize, and a number scroll or your mobile keyboard will appear. There are four subcategories that are fully customizable:



## SESSION NAME

Set a custom name for your Pod or scan barcode to identify each individual Pod session

- **Custom Name** allows you to enter a custom name of your preference (20 characters maximum)
- **Scan Barcode** allows you to scan any barcode using your mobile device's camera, which will then appear as the Pod name.



## LOGGING DETAILS

Set logging parameters for your logging session. This is where you specify how often your Pod takes a sample of the current environment.

**Logging Interval**; allows you to set the time interval at which the Pod will record data.

**Estimated Duration**; displays the amount of time before the data log will be full (40,000 points).

**Logging Delay**; set a delay for data recording after the Pod has been initiated. For example, the delay time it takes for loading the product into a shipping container.

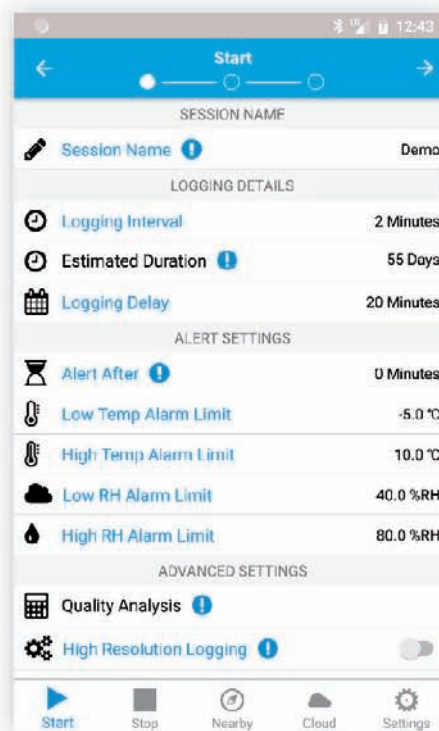
**\*Button Press**; enable to manually start a Pod by holding the multi-use button for five seconds. If Button Press is turned on, all the settings will be preconfigured to the specified Pod to be activated at a later time.

## ALERT SETTINGS

Set alert thresholds for your Pod. If the Pod detects conditions that exceed the current threshold(s) for a specified time an alert message will be displayed upon connecting to your Pod on **Pod Status** and **Nearby** Pod cell will be highlighted in red. Alert setting options include:

**Alert After**; allows the user to set the accumulated time period that a sensor reading must exceed a threshold before an alert is triggered. The acceptable accumulated time is independently set for each threshold.

**Low and High Temperature and Humidity limits**. When exceeded, the Pod begins counting down the excursion time to raise an alert after the designated Alert After time.



*\*Button Press option is only available on the iOS version of the app. On Android devices you may configure to be activated via the Preconfigure Settings for a future use tab.*

## ADVANCED SETTINGS

Setup advanced settings to get extra settings for even more customization.

**Quality Analysis** allows you to choose a default or custom Product Life Model that track the remaining life of your product. (For Pod Quality Only, if you wish to learn more about Pod Quality visit [farmtoforkfresh.com](http://farmtoforkfresh.com))

**Initial Product Life** allows you to enter the remaining life of your product.

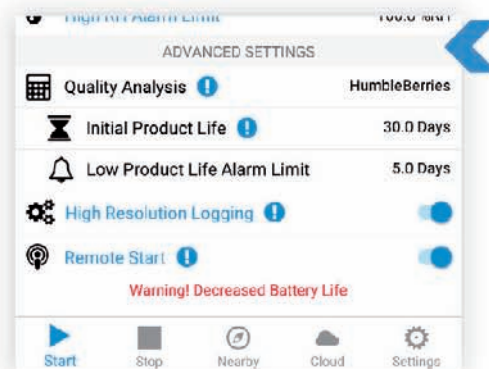
**Low Product Life Alarm** Limit will alert you to when your product drops below your entered remaining life value.

**High Resolution**; enable to record every small fluctuation, when temperature changes more than 0.5 degree Celsius or humidity changes more than 3%.

**Warning:** High Resolution logging creates large files that may take longer to download. Only use this option if you need extremely detailed temperature or humidity records.

**Remote Start**; enabling remote start places your device in standby mode, which will allow you to start your Pod remotely with the app at a future time without physical access or touch the button on the device.

**Note:** While in standby mode, the device will consume the battery life at the same rate as active mode.



The **Remote Start** option is located inside the "Preconfigure Settings" tab.

## SELECTING YOUR POD

Choose a Pod that you would like to start logging data via the following steps:

1. Press the multi-use button on your Pod.
2. Select the inactive Pod from the list.



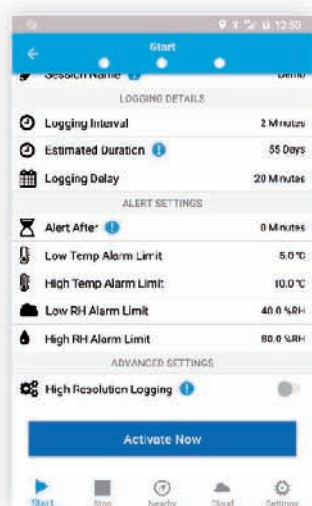
14



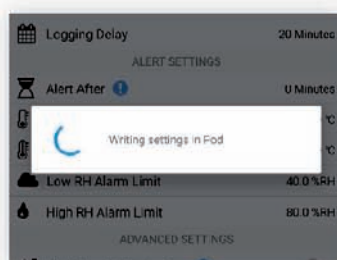
## CONFIRM SETTINGS AND ACTIVATE

This is the last step before starting a Pod. On this page you can confirm that the information and parameters set are correct.

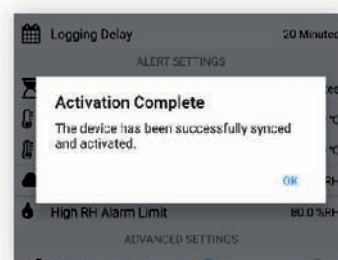
If you wish to start the selected Pod, scroll to the bottom of the settings and tap the “**Activate Now**” button to program the profile you have created. After synchronizing with the Verigo server, you will receive a message stating that the Pod has been successfully initiated and synchronized.



Tap “**Activate Now**”



App will write settings to your Pod.



App notifies that the configuration is complete.

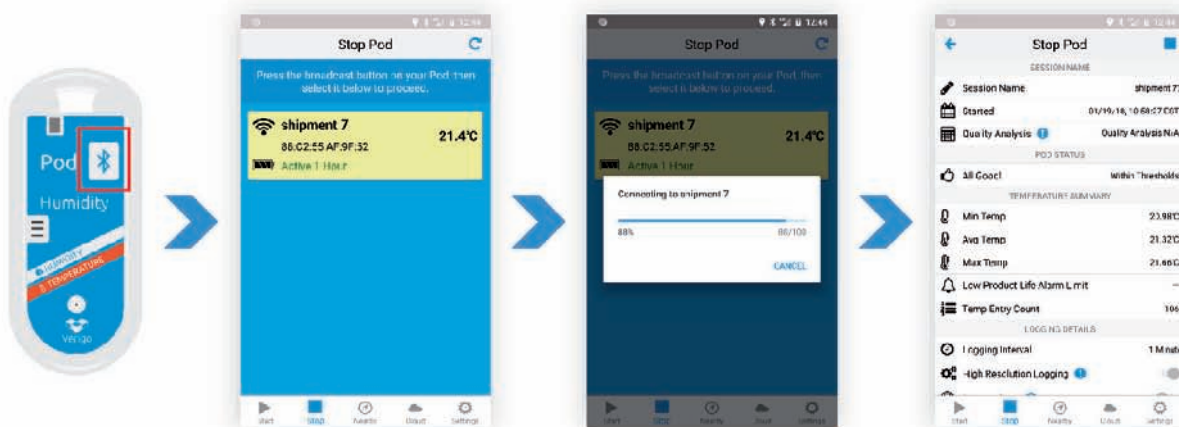


## STOP LOGGING SESSION STOP POD

To stop a Pod's current monitoring session and synchronize all data, select the menu option labelled Stop Pod.

Choose a Pod that you would like to stop logging data by doing the following steps:

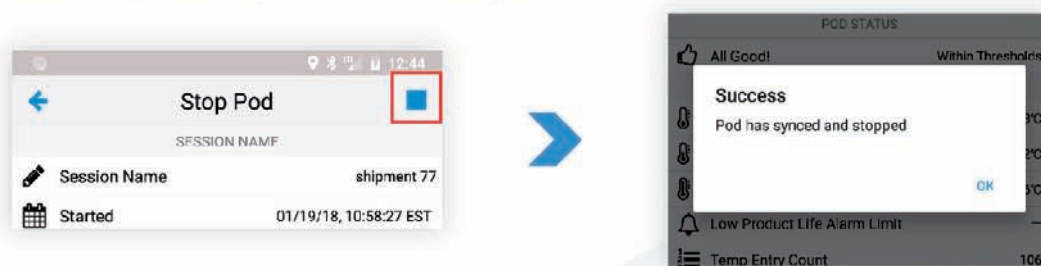
1. Press the multi-use button on your Pod.
2. Select the active Pod from the list.



After selecting a highlighted Pod, Verigo's app will compile a summary of the Pod readings and settings from the current session. This summary includes:

- Session name
- Date when it was started.
- Temperature, humidity, and product life summary (when applicable)
- Logging details: logging interval, high resolution logging, and activation method.
- Alarm settings that were set for this session.
- Pod's technical details.

To stop your Pod's current session, simply tap the stop button. Your Pod will synchronize its data to Verigo's Cloud through your mobile device's Internet connection. After the synchronization is done your Pod will no longer be active.



16

## STOP POD: SHARING SESSION DATA

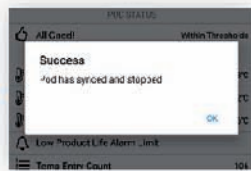
After stopping the Pod, you will have the option to share the data collected via Verigo's share function. The **Share** button is located on the top right of the screen on your mobile device.

This data can only be shared once your Pod has been stopped.

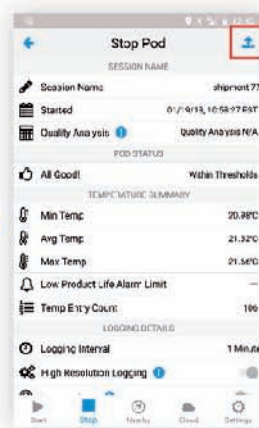
- Share Tracking Link to send a web URL of the records to an email recipient
- Share PDF to generate, download, and send a comprehensive PDF report of the monitoring session.
- Share CSV to generate, download and send a Microsoft Excel® compatible raw data file.



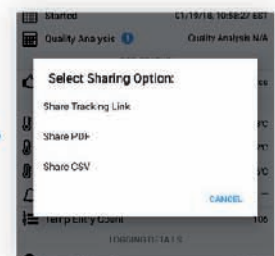
Press the **"Stop"** button.



Wait for your session to sync.



A **"Share"** button will appear after the sync.



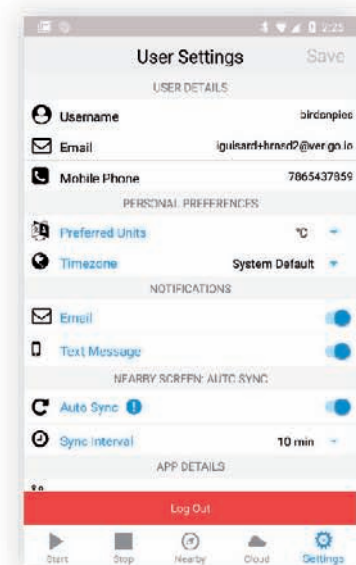
Select a sharing option.

You may also share your active session via the **Pod Status** tab. See the Pod Status section for more information.

## USER SETTINGS

Users can modify their account settings via the Settings tab. There are five subcategories under User Settings, including:

1. User Details: displays account username, email, and mobile phone. These settings cannot be modified from within the mobile app.
2. Personal Preferences: toggle switch for Celsius and Fahrenheit temperature units to be displayed and time zone setting according to user's preference.
3. Notifications: defines how the user prefers to be notified in case an alert message is created.
4. Nearby Screen Auto Sync: Switch on or off the ability to send pings from your device.
5. App Details: displays the current version of the app.



The **Logout** button is located inside "User Settings"

## AUTO SYNC

When Auto-Sync is active the app collects small bits of data from the devices on its surrounding. A "Ping" is collected from all the nearby Pods and sent to the cloud based on the selected sync-interval, allowing you to automatically receive alerts from your Pod as they are detected. The app will only collect "Pings" from the surrounding devices when the app is opened on your mobile device. The app will NOT collect while the app is running on the background.

To enable **Auto Sync** on your mobile device;

1. Go to Settings tab
2. Toggle On the option called Auto Sync.
3. Enter a sync interval of your choice. The smaller the interval the more frequent your device will send Pings to the web.
4. Make sure to tap Save to apply the new setting.

All "Pings" will be plotted on the graph and it will also be displayed on your session Event log.

Make sure that you have email and/or text message alerts enabled in order to receive notifications. This will allow you to receive alert notifications about your session in real time.

## USER SETTINGS: SAVING SETTINGS

For your preferences to be saved, you must tap the **"Save"** button located in the top right corner of the window. You will receive a notification when your settings have been successfully saved.



## USING VERIGO CLOUD

### CLOUD: SEARCH

The cloud is where your sessions are stored. To access Verigo's Cloud simply tap on the "Cloud" tab or you may open a link on your preferred web browser to [cloud.verigo.io](http://cloud.verigo.io).

Upon entering the cloud, you are directed to the search page. On this page there are several tools to help you find and access a Pod session that has been synchronized with Verigo servers.

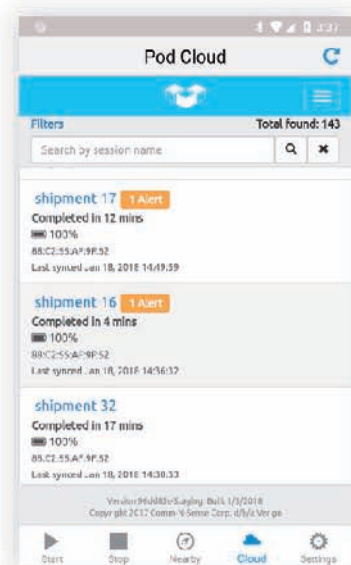
There are several ways to find a Pod that has been synchronized with Verigo servers:

Use the search bar on the top left corner of the screen to find a Pod by:

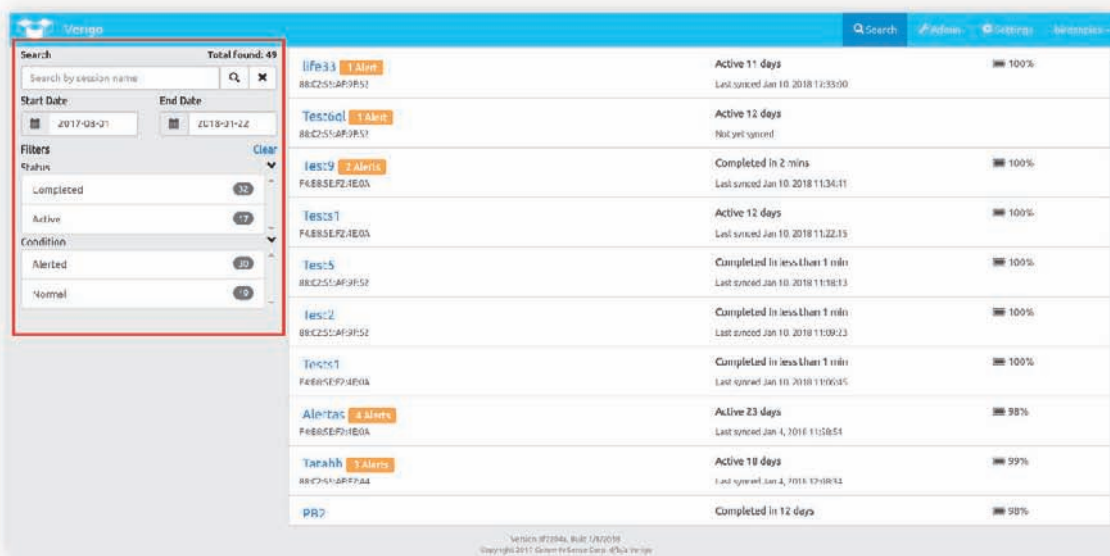
1. The Name and MAC address of the Pod session
2. Start and end date defines the lower and upper bounds to search for the most recent sync event.

You can also use the filter function to sort sessions by their status (Completed, Active) conditions (Normal, Alert) as of their last synchronization with the Verigo servers.

Lastly, you can manually scroll the list to find a certain Pod. This list is arranged by the latest date that a Pod was synchronized with Verigo servers.



Cloud tab on a mobile device.



Search function and filter are located on the top left of the screen. We recommend using Verigo's Cloud via a web browser for best experience.



## CLOUD: ACCESSING DATA FROM A POD

By selecting a Pod from the search screen, you are accessing its stored cloud data. Here you can view its sensor, and event history.

The Pod's profile shows a basic overview of the session which includes:

- Type of Pod (ex. *Temperature, Humidity, Probe...*)
- Session name
- Date when the Pod was started
- Date when the Pod was stopped
- Alerts (if there are any to be displayed)



Session Details		
DEVICE	SETTINGS	TIMES
Session Name shipment 2	Logging Interval 1 min	Last Synced Time Jan 19, 2018 12:47:14
Device ID (MAC) F4:B8:5E:F2:4E:0A	High Resolution Logging Disabled	Activation Time Jan 18, 2018 14:14:54
Firmware Version 1.9.29	Raise Alert After 1 min	Logging Start Time Jan 18, 2018 14:15:53
Calibration Date -----	Start Logging After 1 min	Logging Stop Time Jan 19, 2018 12:46:55
Humidity Coefficients [40, 254, 77, 215, 29, 23]	Activation Method Mobile App	Deactivation Time Jan 19, 2018 12:47:14
Temperature Coefficients [112, 0, 3, 4]		
Battery Level 100%		

If you wish to view a more detailed description about the Pod and its parameters click on "[More Details](#)". This shows a detailed description of the Pod and the parameters set for this logging session.

## CLOUD: SENSOR HISTORY

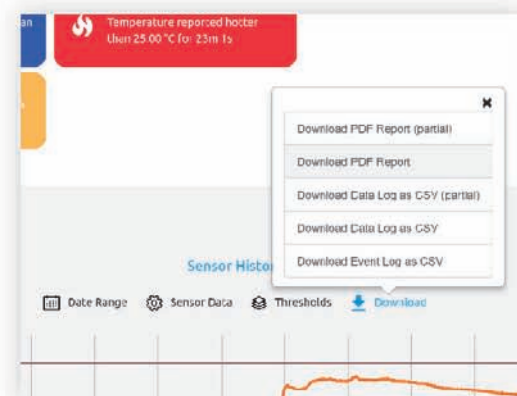
Sensor history of the Pod displays a graph plotted with the logged temperature, humidity, and product life data (if available) on the Y-axis and date and time on the X-axis.



You can interact with the slide bars underneath the graph to zoom in or out to analyze the data with more precision.

Above the graph you will find a few useful tools to help you analyze the session data:

- **Date Range** selector allows you to pick a specific point in time and crop the graph according to your time selection.
- **Sensor Data**; allows you to enable and disable plotted sensors and real-time ping values from the graph.
- **Thresholds**; enable and disable thresholds for temperature, humidity, and product-life readings.
- **Download**: here you can download a full PDF report, CSV (Excel), Event History, or partial report based on your date range selection.



PDFs reports can take up to 90 seconds to download.

#### TEMPERATURE

Low alarm limit 20.00 °C	High alarm limit 25.00 °C	Min Value 16.91 °C	Avg Value 19.74 °C	Max Value 24.52 °C	MKT 20.13 °C	Total data points 8277
-----------------------------	------------------------------	-----------------------	-----------------------	-----------------------	-----------------	---------------------------

#### HUMIDITY

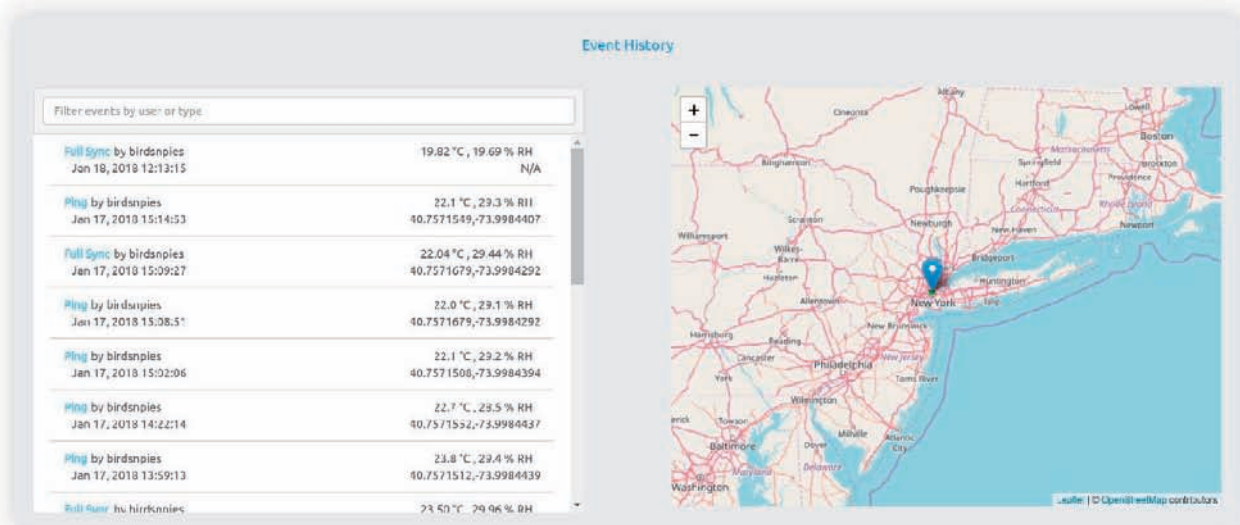
Low alarm limit 30.00 % RH	High alarm limit 65.00 % RH	Min Value 14.47 % RH	Avg Value 21.75 % RH	Max Value 45.14 % RH		Total data points 8277
-------------------------------	--------------------------------	-------------------------	-------------------------	-------------------------	--	---------------------------

Below the graph is an overview summary of the sensor data for this session that includes;

- Low and high alarm limits
- Minimum, average, and maximum values recorded
- Total number of data points
- MKT, Mean kinetic temperature

## CLOUD: EVENT HISTORY

Event history compiles a map that shows where people have accessed a Pod based on their GPS data. Event history also logs a timestamp, type of action, and the identity of the user that interacted with the Pod.



Full list of events is organized chronologically.  
Events can be searched by users and actions taken.

The map is fully interactive and can be  
panned and zoomed in or out.

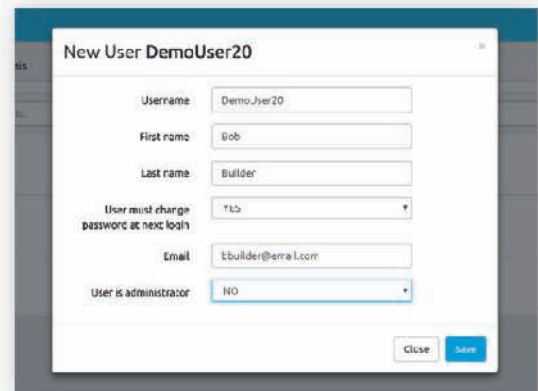


## CLOUD: ADMIN

On Verigo's cloud [Admin](#) tab it is simple to manage user accounts. The administrator home page allows you to search for users with filters by name, email, and roles assigned.

As an administrator you can:

- Add a new user by selecting the Add User link. Fill out the credentials to create a user and select Save to add the new account.
- Delete users by clicking the Delete button after selecting a user.
- Edit user role by selecting that user's name. This action will open their account profile that you have previously created.
- Deactivate users by opening their profiles and selecting "Deactivate".
- Require users to change their password.



As an admin you may add and remove users from your company account.

## CREATING AND EDITING CUSTOM PRODUCT LIFE PROFILES

To create or edit your own product life profiles, click on the Admin tab in the upper right of the Verigo Cloud. Two tabs will appear in the upper left, "Users" and "Quality Analysis". Click the Quality Analysis tab to create or edit your profiles.

1. If you wish to create a new profile, simply click on the Create a new profile button. If you wish to edit a profile, click on View and Modify Profile.
2. A section will appear that allows you to create/update a profile name and description. When finished click continue.
3. A new section will appear that allows you to enter the optimal temperature for your product as well as the number of days the product will last at this temperature. When finished click continue.
4. A new section will appear that gives you the ability to add more data points at different temperatures to increase the accuracy of your model. To add more than one point, click the Add more points button. Once a point has been added, it will instantly be displayed on the graph to the right. To remove data points, click the red X next to the corresponding row of data. When finished click continue.
5. A new section will appear that allows you to save or delete your profile. Once saved you can now access and choose to use your new profile when setting up a Pod Quality.



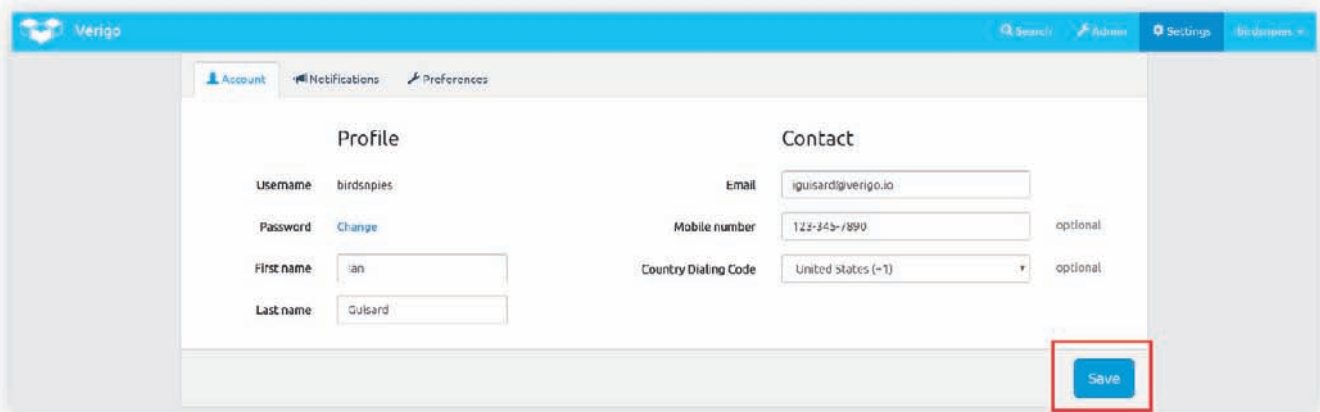
## CLOUD: SETTINGS

Users can make modifications to their profiles and preferences on Verigo's Cloud Settings tab. There are three subcategories under **Settings** that are fully customizable:

**Account:** edit name, contact email, and add a phone number to receive alerts

**Notification;** turn on or off notification alerts via email or SMS (text) messages.

**Preferences;** change temperature units (Fahrenheit or Celsius), preferred time zones, and language preference.



The screenshot shows the Verigo Cloud Settings interface. The top navigation bar includes the Verigo logo, a search bar, a 'Submit' button, and tabs for 'Settings' and 'My Account'. The 'Settings' tab is active, and the 'Account' sub-tab is selected. The 'Account' section is divided into two columns: 'Profile' and 'Contact'. The 'Profile' column contains fields for 'Username' (birdsnpies), 'Password' (with a 'Change' link), 'First name' (ian), and 'Last name' (Guisard). The 'Contact' column contains fields for 'Email' (iguisard@verigo.io), 'Mobile number' (122-345-7890), and 'Country Dialing Code' (United States (+1)). The 'Mobile number' and 'Country Dialing Code' fields are marked as 'optional'. A red box highlights the 'Save' button at the bottom right of the form.

Make sure to save your settings after making changes to your account.  
Click the **"Save"** button to store your settings.