

TrustedGlobal Sensor

Hardware sensor that is use for this project:
<https://trustedglobal.com/tracking-device/>

Multiple data tracking options – all in one device



Wireless



Robust IP69k



Position



Radio Beacon



Motion



Shock



Tilt



Light



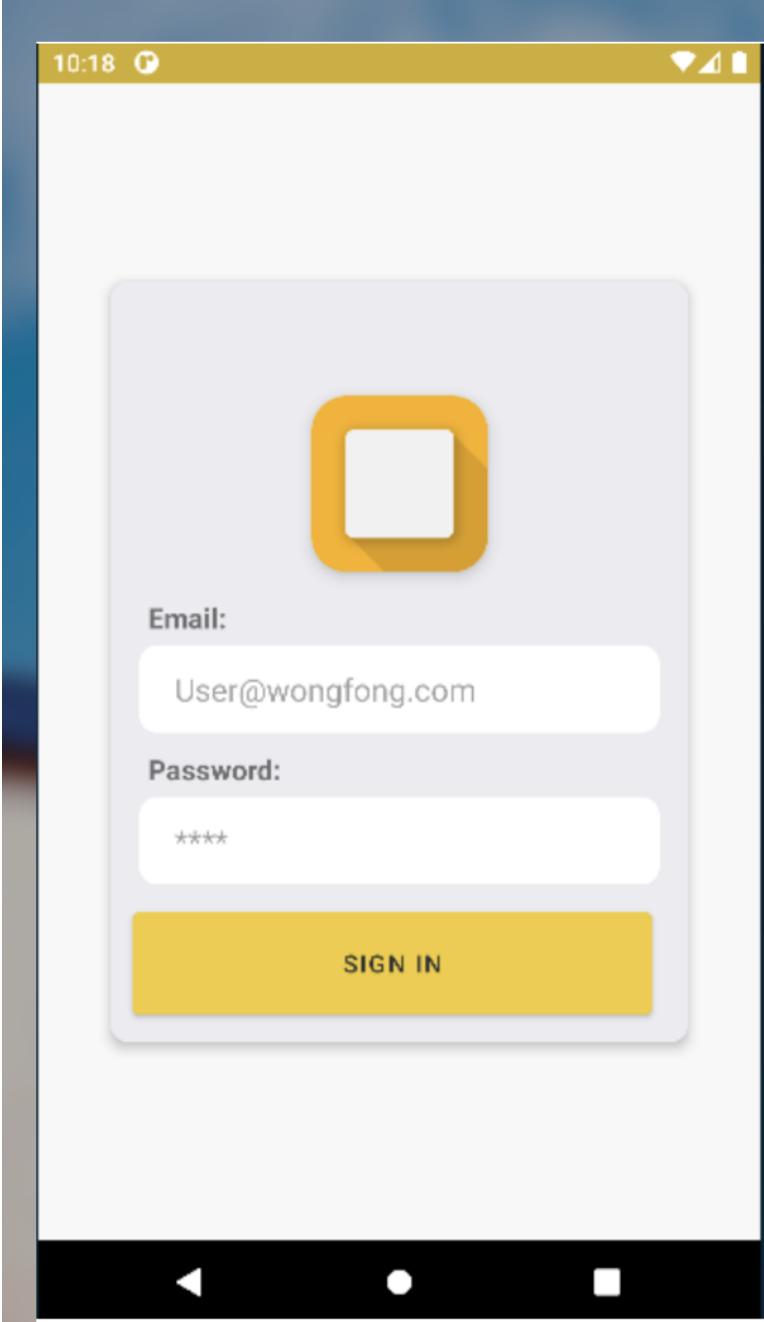
External tags



Humidity *



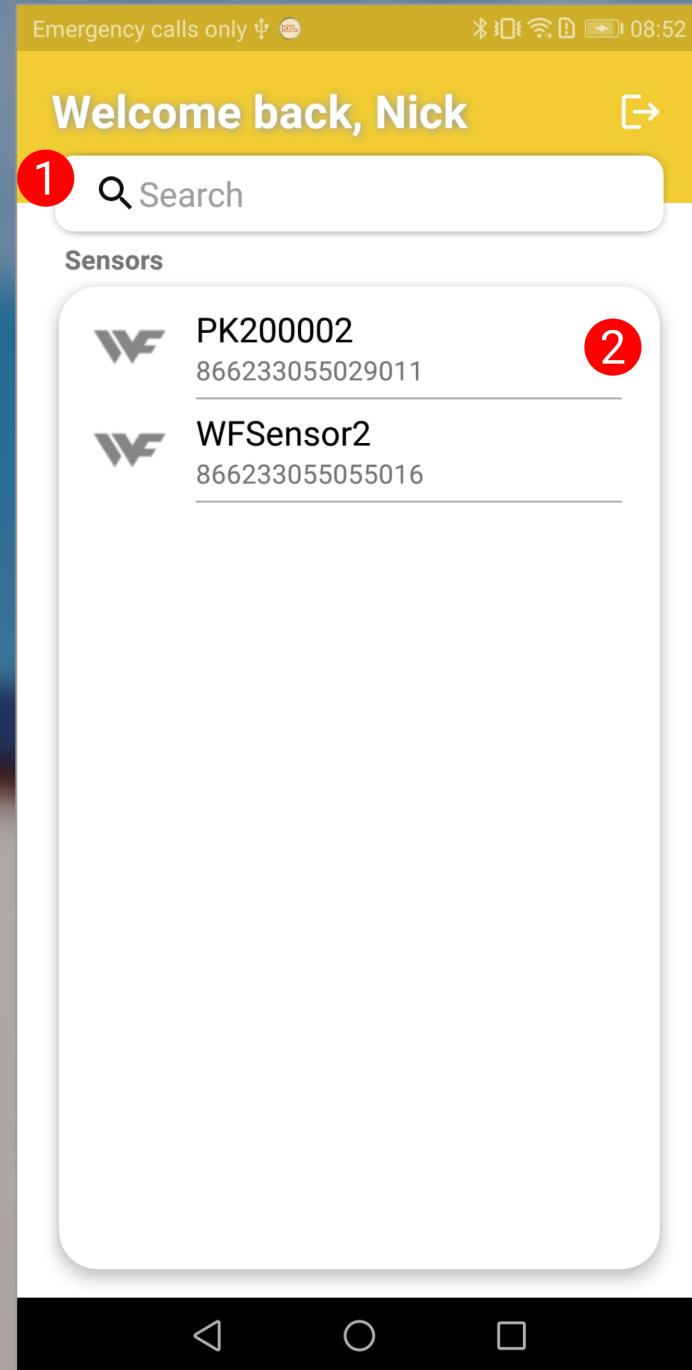
Temperature



0.0 Login Page

This is a internal controlled application, therefore only account created by admins through dynamodb are able to login.

A newly created account will not have any password. which will be prompt to enter a new password upon first login.



1.0 Home Page

List of all the available sensors

- ① Search for a sensor from the sensor list by it's name
- ② Click to view individual sensor (2.0)

Emergency calls only 100% 11:21

PK200002
866233055029011

1 Overview

Current Utilization	86 h Weekly	169 h Monthly	801 h Yearly
History	67 h Previous Week	150 h Previous Month	0 h Previous Year

[VIEW MORE](#)

2 Past Records

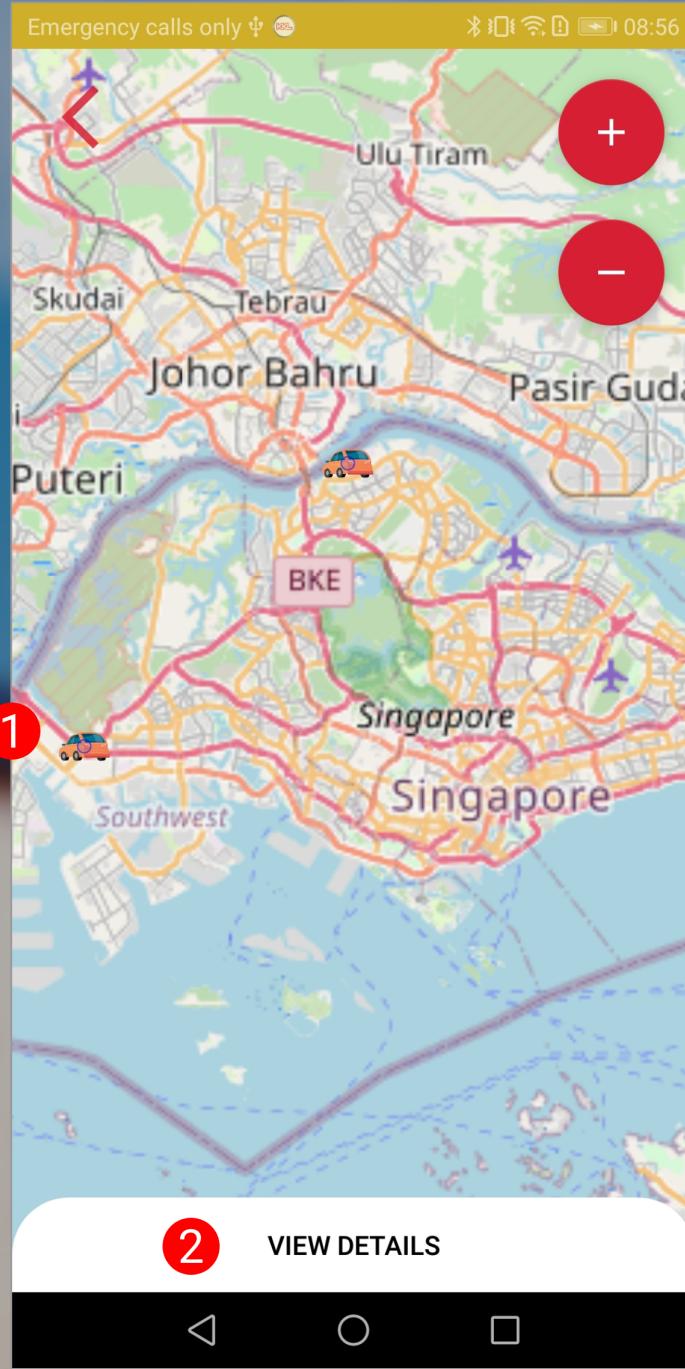
-  20-10-2022
Thursday
-  19-10-2022
Wednesday
-  18-10-2022
Tuesday
-  17-10-2022
Monday



2.0 Sensor Summary Page

Summary of the selected sensor

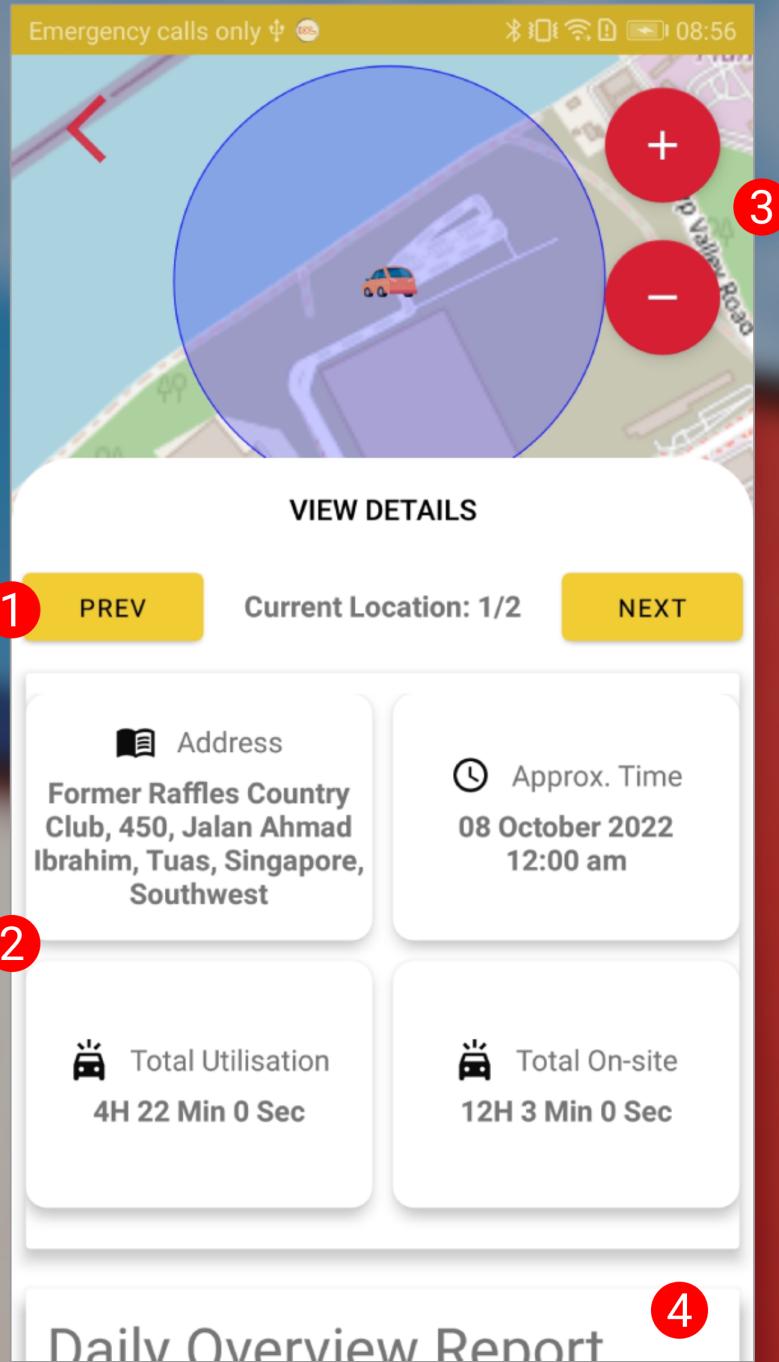
- ① Overview of the utilization rates. Click view more to see detail analytics. (2.2)
- ② All past daily records of the current sensor. Click to view the details for that day. (2.1)



2.1 Sensor Overview Map

All available on-site location that the vehicle has been utilized

- ① Identified on-site locations are indicated as a car pointer on the map. Clicking it will bring up the view details tab for more information (2.1.1)
- ② View details tab can be shown or hidden to have a better overview of the map. (2.1.1)



2.1.1 Sensor Daily Details

Data of different individual on-site locations.

- 1** Previous and next button to easily jump between locations.
- 2** Details of each location to see its individual utilization with a top map location reference.
- 3** Zoom controls to zoom in and out easily in the compressed map view
- 4** Scroll down to view report for the day (2.1.2)

Daily Overview Report

08 October 2022

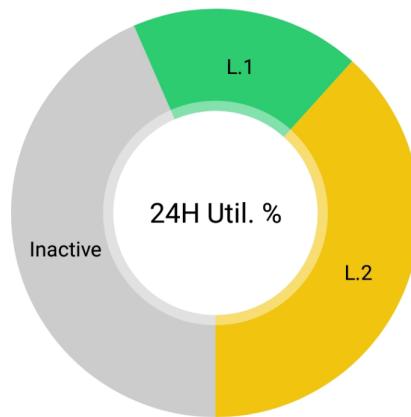
On-Site Utilization: 13h 34min 0sec

1 56.52778%

On-site Inactive: 10h 26min 0sec

Total Active: 13h 34min 0sec

Total Inactive: 10h 26min 0sec



Location 1:

Former Raffles Country Club, 450, Jalan Ahmad Ibrahim, Tuas, Singapore, Southwest

3 Total Utilization: 4H 22 Min 0 Sec

Total Inactive: 7H 41 Min 0 Sec

Location Utilization: 18.19444%

Location 2:

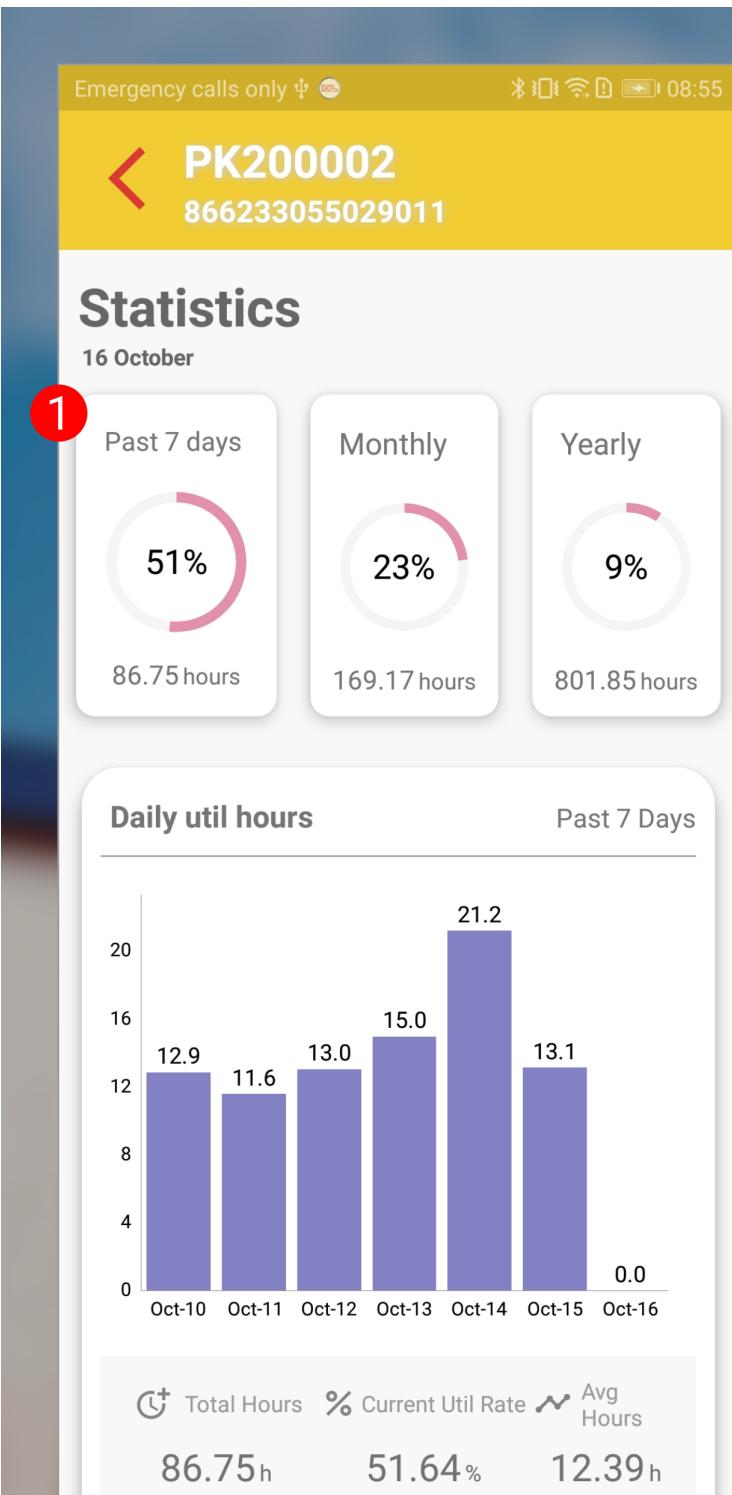
Woodlands, Northwest

Total Utilization: 9H 12 Min 0 Sec

2.1.2 Sensor Daily Overview

Overview report of the entire day

- 1 Details of number of hours the vehicle has been utilized.
- 2 Pie chart to easily identify if the vehicle has been under utilized.
- 3 Locations and utilization hours of individual sites at one glance.



2.2 Sensor Statistics Report

Utilization analysis on daily, weekly and monthly data. This report is updated once every sunday.

- 1 Overview of the utilization rate over 7 days, monthly and yearly. Rates are base on total hours utilized of each category.

51%

86.75 hours

23%

169.17 hours

9%

801.85 hours

Daily util hours

Past 7 Days

1



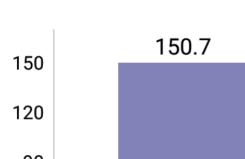
2

Total Hours % Current Util Rate Avg Hours
86.75 h 51.64% 12.39 h

Previous Week % Previous Util Rate Differec
67.43 h 40.14% 11.50%

Monthly util hours

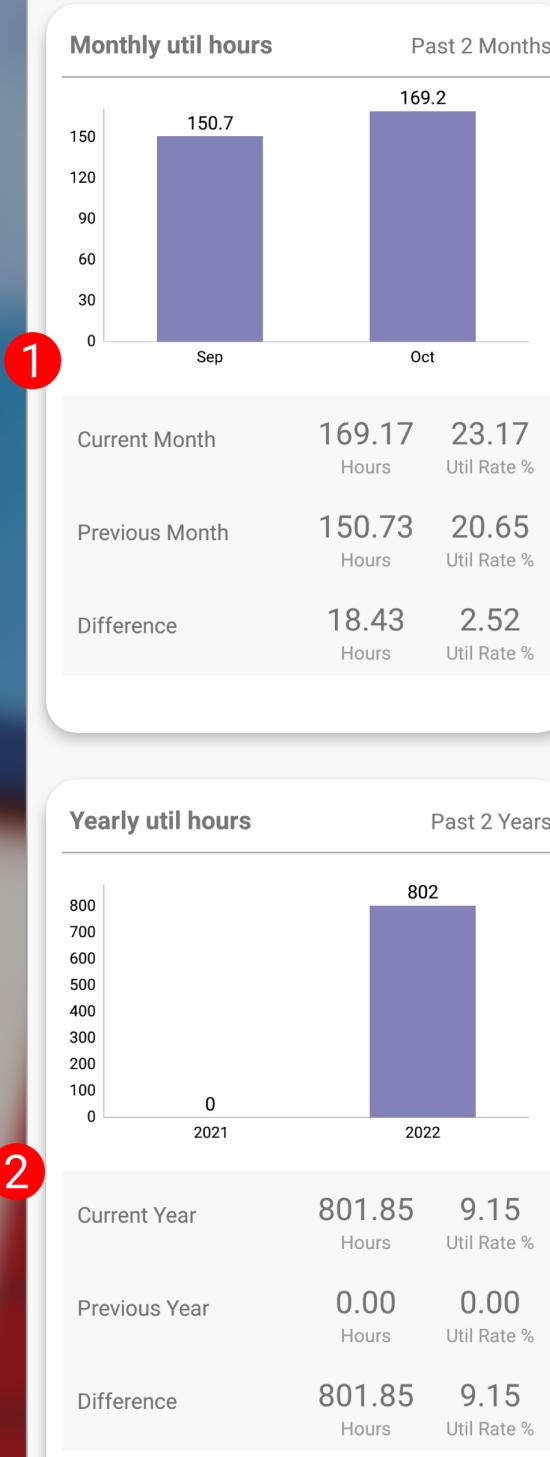
Past 2 Months



2.2.1 Sensor Statistics Report

Utilization analysis on the past week.

- ① Daily utilization hours of the week in chart form to check for under utilized days.
- ② Total hours and rate of utilization to compare with previous week's performance



2.2.2 Sensor Statistics Report

Utilization analysis month and year.

- 1 Compare the utilization rate of current month with previous month to check for under or over utilized vehicle performance.
- 2 Yearly comparison of current year and previous year utilization performance.

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