

# 4G GPS SMART WATCH + BLE INDOOR TRACKER

*by Hornbird Technology*

## HBW80 4G ANDROID SMART WATCH

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The Hornbird 4G Android Industrial Grade Smart Watch is a mini mobile phone on the wrist. It has several biometric sensors such as body temperature, heart rate, O2, and computed blood pressure. These biometrics are non-medical grade and to be used for reference only.

It has a GPS for real time monitoring of your locations with built in wifi for location tracker in the absence of GPS signal.



### Features:

- Touch screen.
- 4G nano sim card
- Biometric Sensor
  - Temperature
  - Heart Rate-Blood Pressure
  - O2
- Mobile Application
- Location Tracker
  - GPS
  - Wifi
  - LBS
- Phone Calls
- Voice Short Message



### Phone Calls:

Can call to and from the watch just like the mobile phone.



### Voice Short Messages:

Can send and receive voice short messages.

# MOBILE APPLICATION

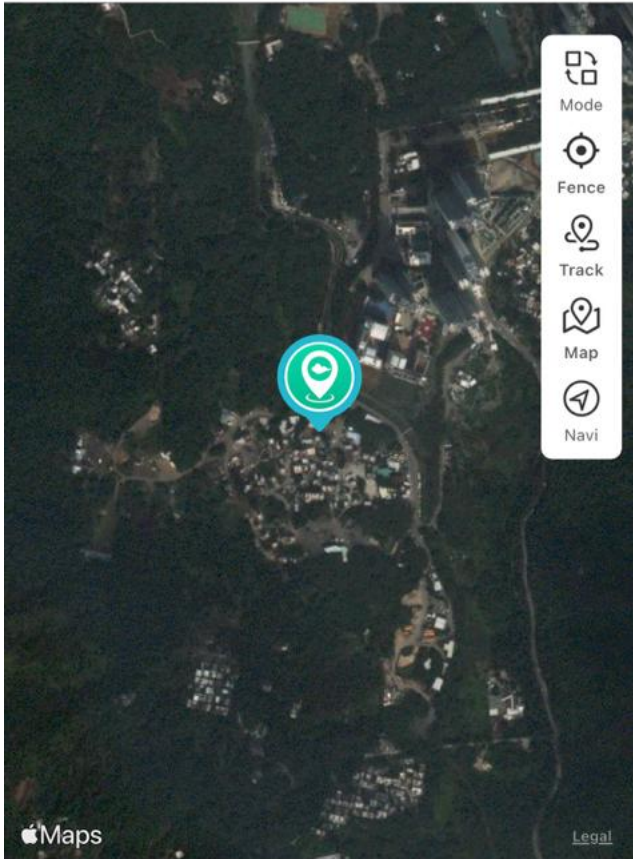
Location  
Google Map

8:48



Tracker in

Home



Risalde Bara



Locate

WiFi position 2 Chung Yat St, Tung Chung, New Territories, Hong Kong SAR  
2021-12-19 14:10:32 89%



Home



Health



Functions

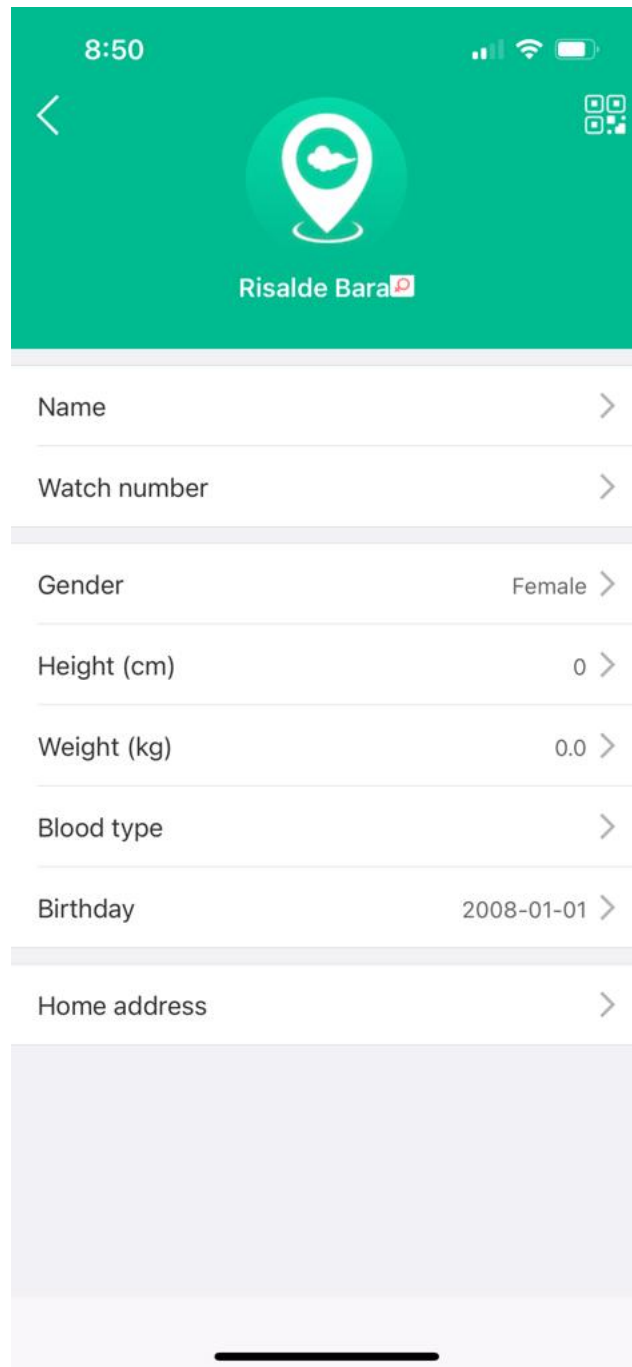


WeChat



Mine

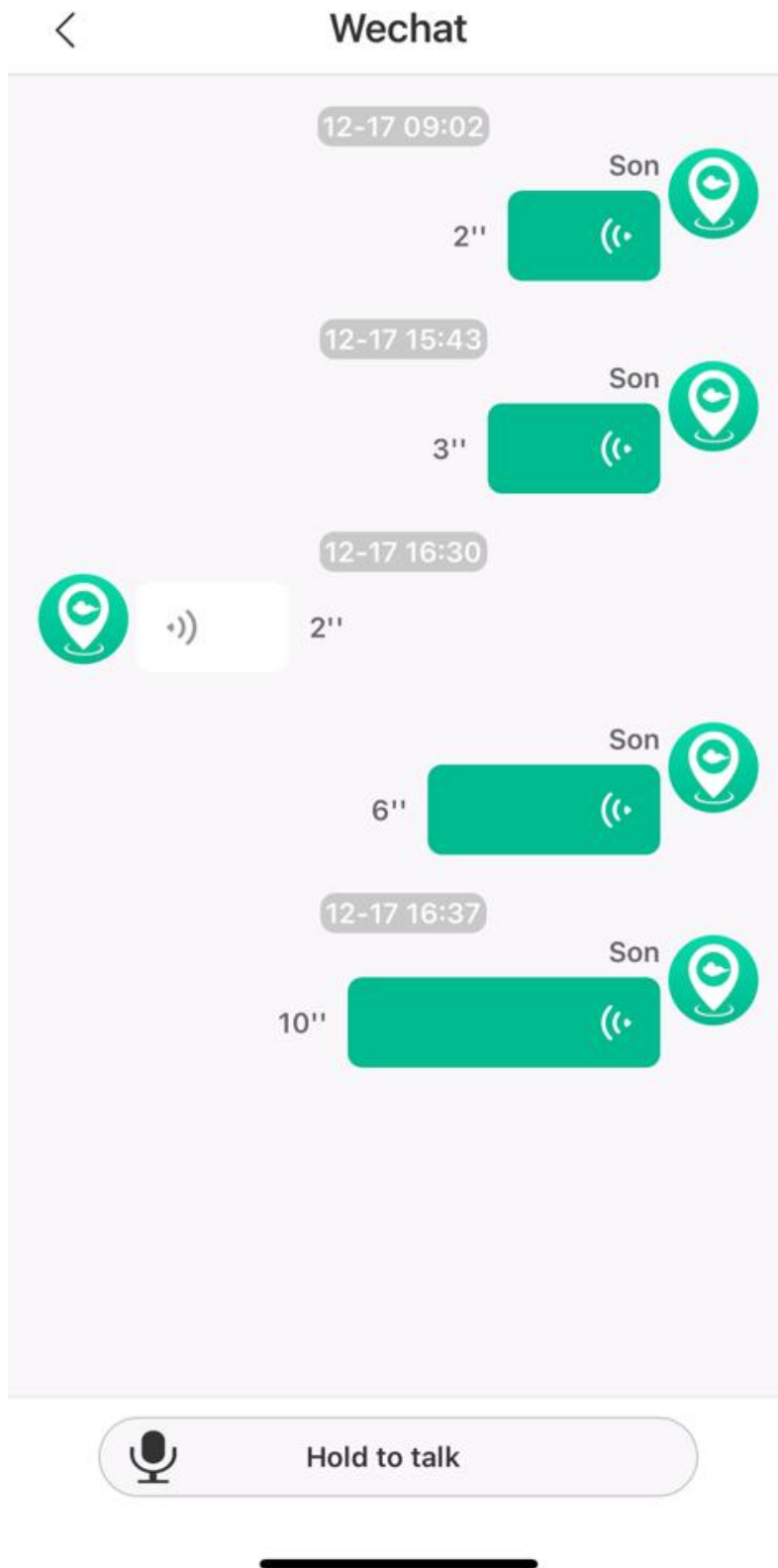
## User Registration



A screenshot of a mobile application's user registration form. The form is displayed on a green background with a white location pin icon and the text "Risalde Bara" below it. The form fields are arranged vertically and separated by horizontal lines. The fields include: Name, Watch number, Gender (set to Female), Height (cm) (set to 0), Weight (kg) (set to 0.0), Blood type, Birthday (set to 2008-01-01), and Home address. Each field has a right-pointing chevron icon indicating it is a link to another screen. The top of the screen shows the time 8:50, signal strength, Wi-Fi, and battery icons. A back arrow is visible on the left side of the green header.

Name	>
Watch number	>
Gender	Female >
Height (cm)	0 >
Weight (kg)	0.0 >
Blood type	>
Birthday	2008-01-01 >
Home address	>

## Voice Short Messages



# Health Tracker

8:48



## Health

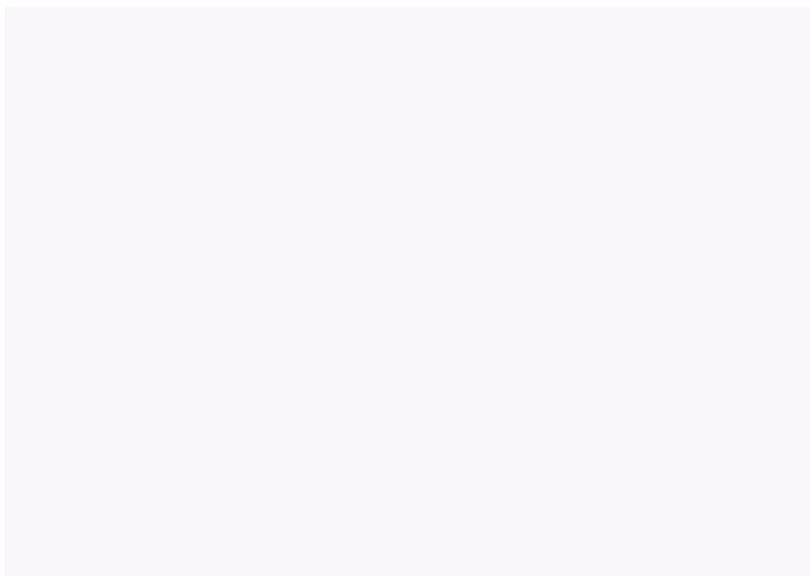
 **Heart Rate:** 74 bmp  
2021-12-18 20:38:16 >

 **Blood pressure:** 122/75 mmHg  
2021-12-18 20:38:16 >

 **Body temperature:** 36.7 °C  
2021-12-18 19:39:41 >

 **SaO2:** 96.0 %  
2021-12-18 20:38:16 >

 **Step:** 22 Steps >



Home



Health



Functions

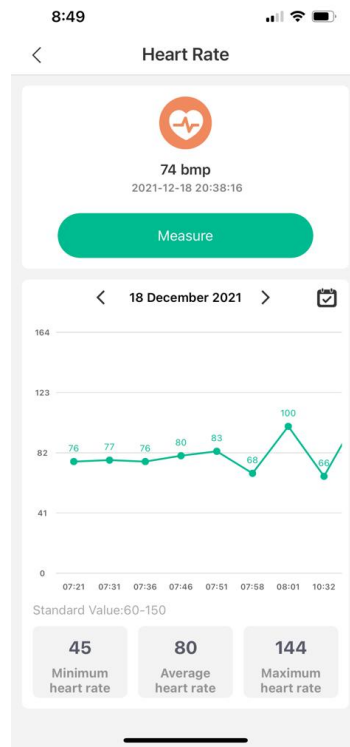
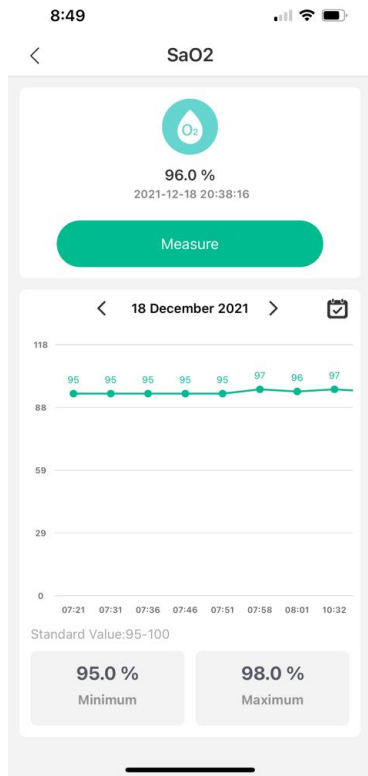
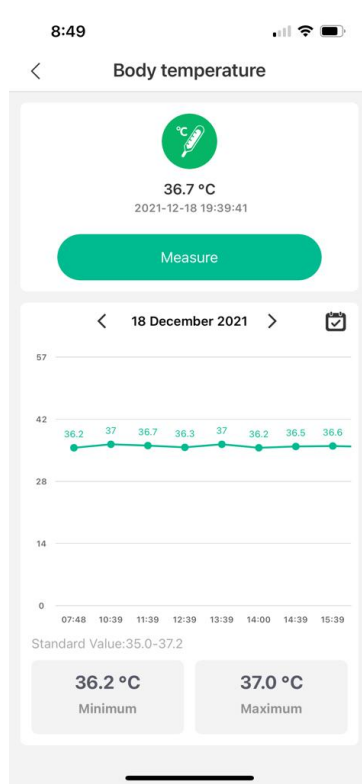


WeChat



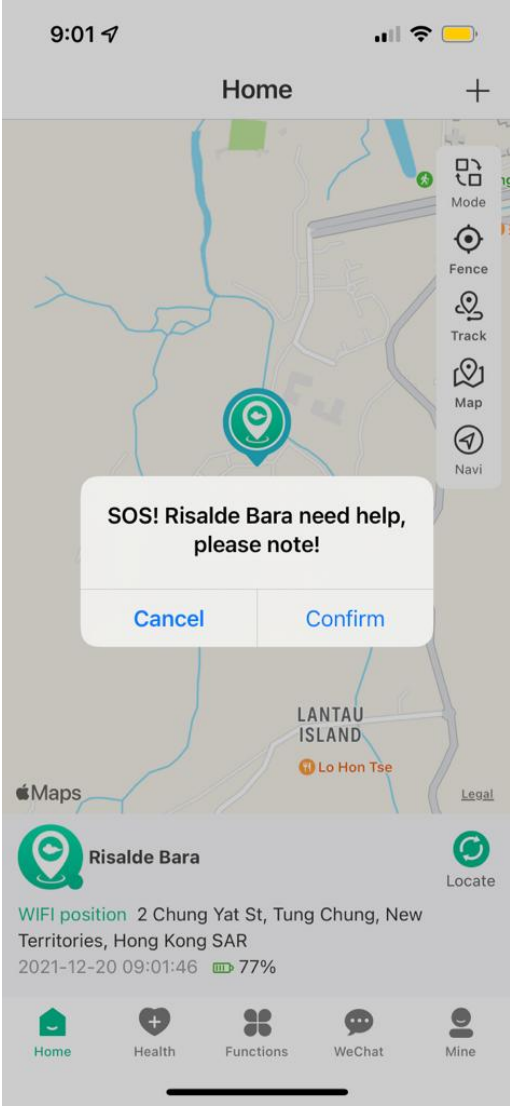
Mine

# Health Tracker Dashboard

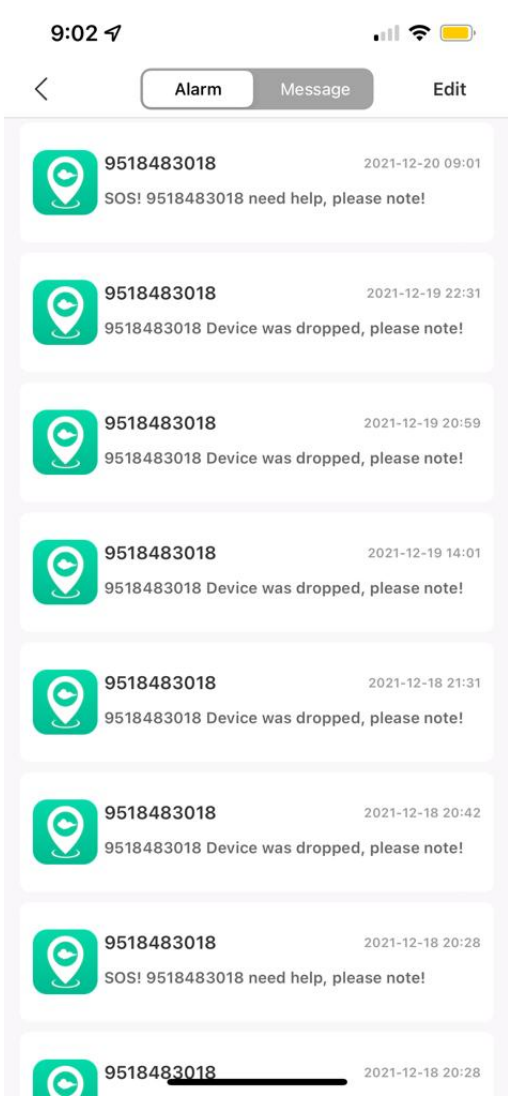


# SOS & ALERTS

## SOS ALERT



## REMOVE & HEALTH ALERT





# BLE TAG INDOOR TRACKER

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## BLE Tag

The BLE tag tracker is worn by workers in a necklace, stick on the reflective vest or helmet by a Velcro. The workers identification packets are transmitted to the BLE receiver installed indoor within 50 to 100 meters of the working area.




## **BLE-LORA DTU LAN**

The BLE-LORA DTU receives data packets from the BLE tags and transmit the data packets to the LORA-4G Gateway.



# WEB APPLICATION



Login

info@hornbird.com

.....

Login

FORGOT PASSWORD



## Health Status Report

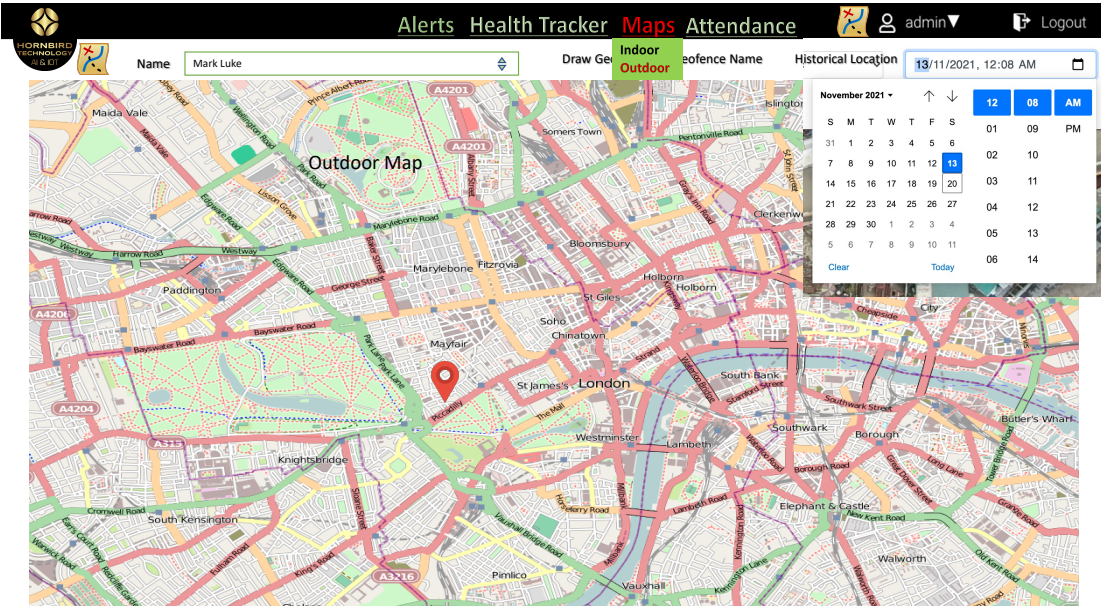
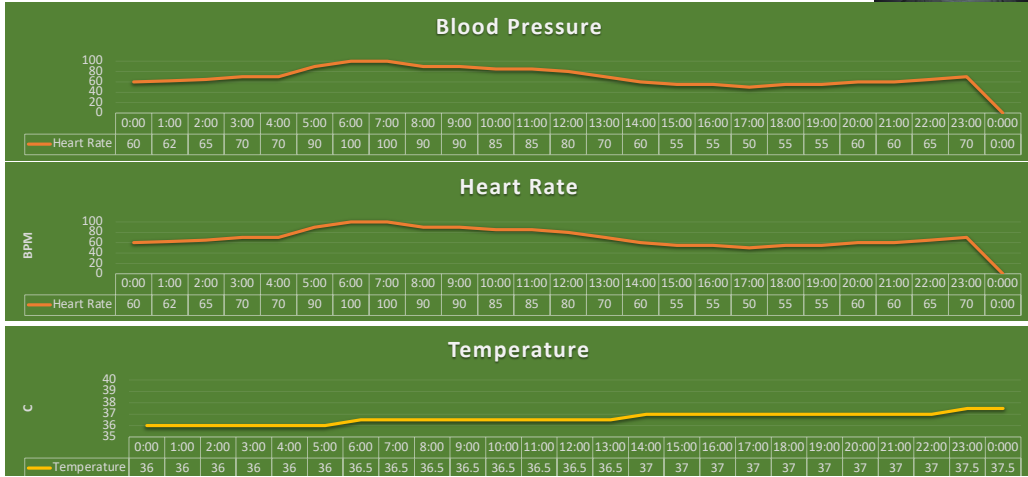
Search  × 


Name	Heart Rate BPM	Temp C	BP	Battery %	Geofence	GPS Lat/Lon	SOS	Time Scan	Status
Mark Luke	60	37.5	120/80	80	In	4003.25	NO	20200601 1530	Normal
Linda Baker	0	25	120/80	40	Out	3450.54	NO	20200601 1200	Emergency
Andrew Chan	0	0	120/80	0	Out	0	NO	20200601 1200	Disconnected
Stephen Lee	101	36	120/80	60	Out	4010.34	NO	20200601 1530	High HR
Belinda Scot	49	36	120/80	80	Out	4564.56	NO	20200601 1530	Low HR
Elizabeth Tan	0	22	120/80	80	Out	4564.56	NO	20200601 1530	Removed
Jack Bill	60	36	120/80	14	In	4564.56	NO	20200601 1530	Low Battery

**Alert:**

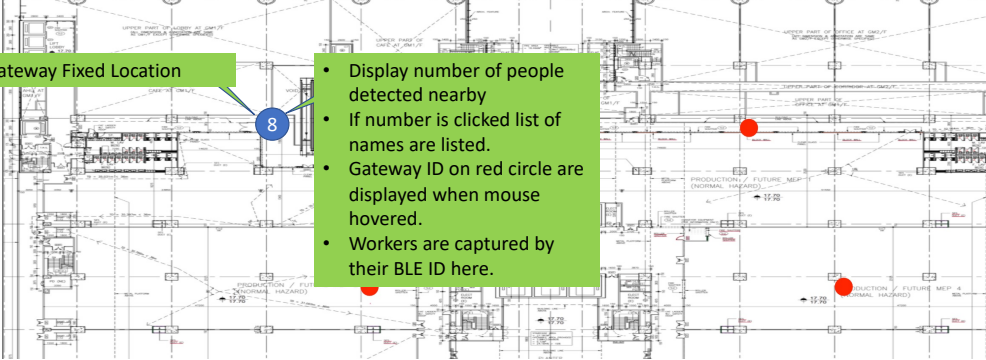
- >> If body temperature is dropping 0.83 C per hour>> Alert Type: Emergency
- >> if body temp > 37.5C, Status Type: Fever
- >> if body temp < 35 C, Status Type: Hypothermia
- >> if heart rate> (220 – age) \* 0.6
- >> if battery % < 15%, Status type: Low Battery
- >> if GPS coordinate is outside the geofence, Status type: Outside

10 rows 




FIRST FLOOR ▾    Display ▾    Category ▾    dmac ▾    dd/mm/yyyy, --:-- -- 

dd/mm/yyyy, --:-- --  Search



- Gateway Fixed Location
- Display number of people detected nearby
- If number is clicked list of names are listed.
- Gateway ID on red circle are displayed when mouse hovered.
- Workers are captured by their BLE ID here.

Attendance

November 2021 

Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Put number of hours here as attendance counted Out time minus In time.															

10 rows | < > 1-10 of 10 >

**Contact:**

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