## Environmental Technology in Developing Green Ecosystem

Go Green With Smart Mobility 綠色生活 智慧出行

Building Green Workplace with IoT 以物聯網構建綠色工作間

Tim Chan, Sales Director March 4 2022











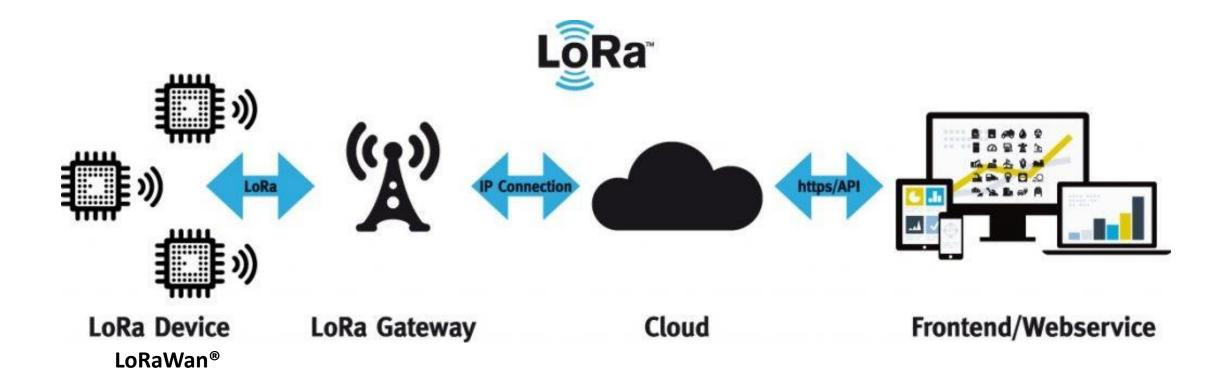


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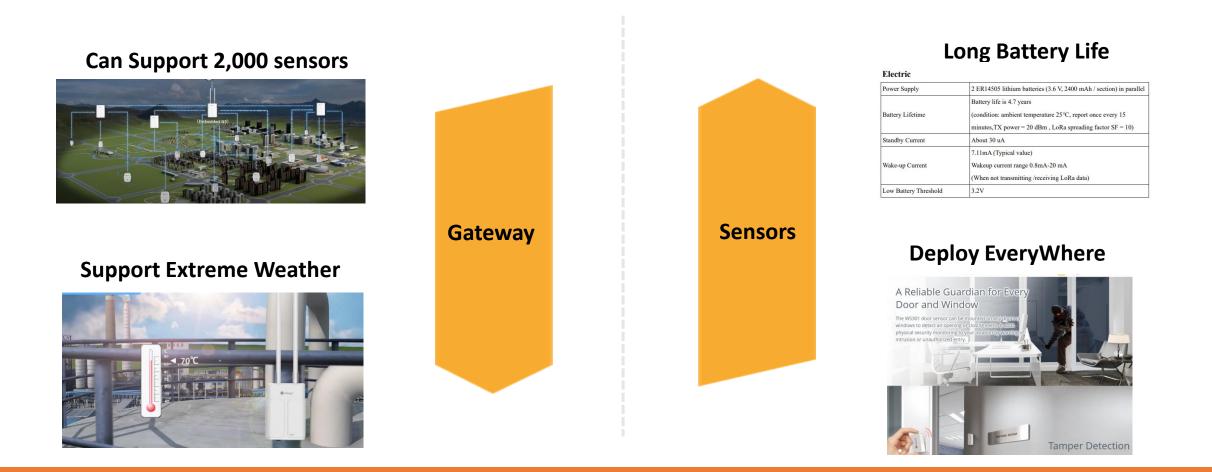
## What is LoRa

- Derived from chirp spread spectrum (CSS) technology
- Low-power wide-area network (LPWAN) modulation technique
- Can be used to connect sensors, gateways, machines, devices, animals, people etc. wirelessly to the cloud



## LoRaWAN®

- A Media Access Control (MAC) layer protocol built on top of LoRa modulation
- Enable smart IoT applications, which solve some of the biggest challenges facing our planet



## Why LoRaWAN®



#### Scrutinized Security

- End-to-end Security
- Public & Private
  Network



#### High Performance

- Long Battery Life
- Geolocation
- High Capacity
- Low Cost
- Ultra Long Ran



#### Easy to Use

- Firmware Update over the Air
- License-Free Spectrum



#### Next-Gen Technology

New Ecosystem and
 Industry



Agricultur e



Buildings



Cities



Industry

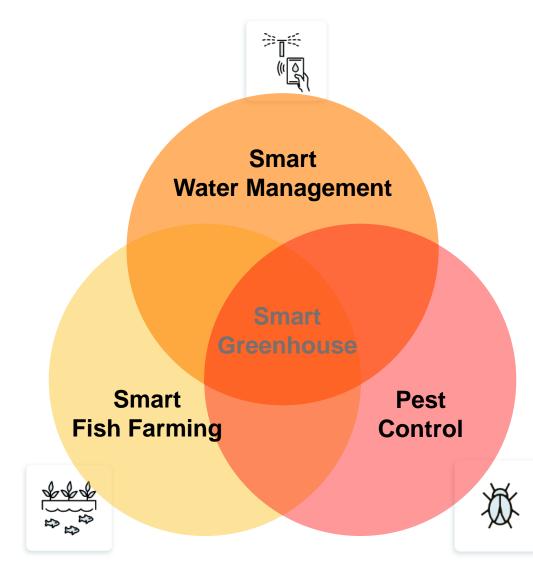


Logistics



Utilities

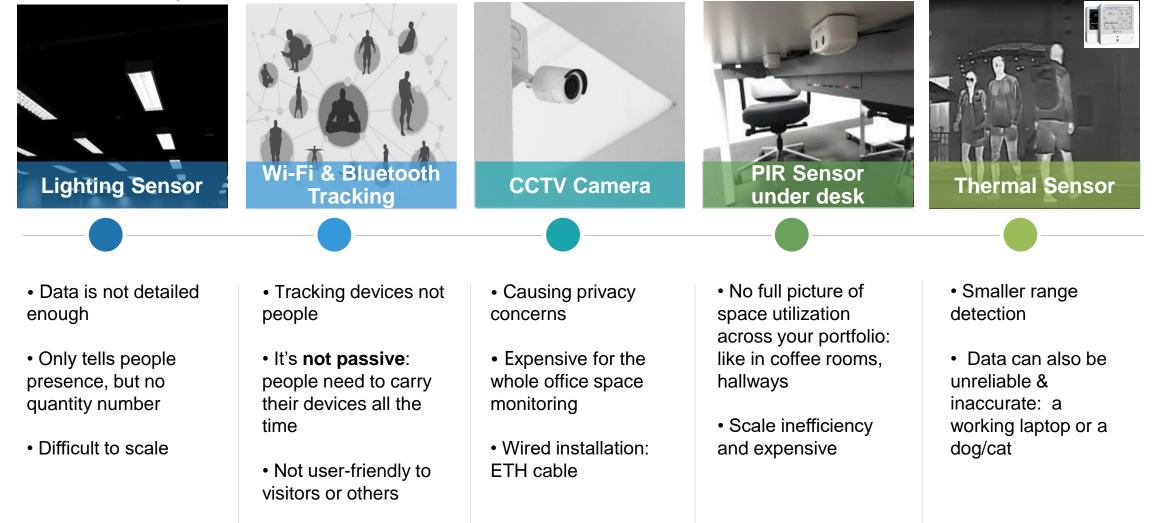
## Greenly LoRa 1 - Smart Greenhouse



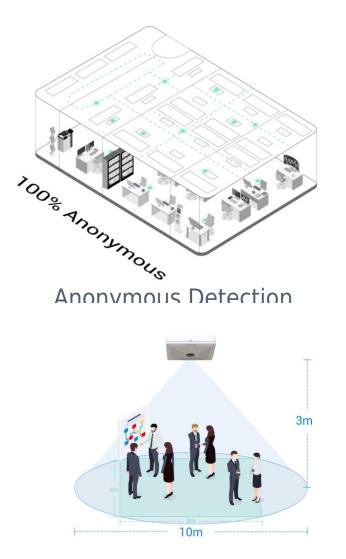




# Greenly LoRa 2 - Office Solution Using Sensors (Old methods)



## Greenly LoRa 2 - AI Workplace Sensor (New



Large Detection Area



**Custom Detection Region** 



High Recognition Rate



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## **LoRaWAN®** Products

Smart Construction Safety and Monitoring



- Wireless CO2, temperature and humidity sensor
- Wireless CO Sensor
- Wireless NO Sensor
- Wireless NO2 Sensor
- Wireless O3 Sensor
- Wireless H2S Sensor
- CO2 Sensor (4 in 1)



#### Monitoring

- Wireless Air Pressure and Temperature Sensor
- Wireless Temperature Sensor
- Wireless Outdoor CO2/Temperature/Humidity Sensor
- Wireless
- Wireless Outdoor PM2.5/Noise/Temperature/Humidity Sensor
- Wireless Outdoor Wind Speed/Wind Direction/Temperature/Humidity Sensor with a Solar Panel
- Wireless Soil Moisture/Temperature/Electrical Conductivity Sensor
- Wireless Thermocouple Sensor
- Wireless Capacitive Proximity Sensor
- Wireless Water Leak Detector with Rope Sensor
- Wireless Water Level Sensor
- Spot Leakage Detection Sensor
- Zone Leakage Detection Sensor
- Industrial Temperature Sensor
- Submersible Water Level Sensor
- Soil Moisture, Temperature and Electrical Conductivity Sensor
- Pipe Pressure Sensor



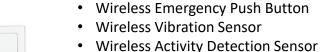


















• Wireless Asset Sensor





Ready to embrace the digital economy but need the environment refined?



PRODUCTIVITY ANALYSIS BRAINS

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