



INVISIBLE FUN STUDIO LIMITED

MERGING ART & SCIENCE

AND A PINCH OF CREATIVITY

Fast and Low Cost Massive Sensor Deployment



Company Introduction

- Founded in 2015, based in Hong Kong
- Focus on hardware and integrated software solution
- Provide award winning product design (ODM)
- Provide industrial grade hardware design and production
- Rich Research & Development in wireless technology
- Leading cloud solution for fast-growing data stream
- Partnered with manufacturing industry for fast production
- Proven successful cases in applications



“ Pain Point

- High labour cost for installation
- Complex existing system in building e.g. BIM, BMS, FM
- Too many kinds of technology, LoRa, NB-IOT, WIFI, BACnet
- The perfect sensor / end node never exists



Turn old building smart roadmap



Technology and Products

- We are LoRa Alliance Member, Product made to comply all regulations.
- Our sensors are designed for professional and extreme condition, indoor and outdoor

Case 1

LoRa Climate Sensor

- Indoor and outdoor
- Atmospheric pressure
- Relative Humidity
- Accurate Temperature ± 0.1 °C
- Operation range -40°C to 80°C
- AA battery x 2 (> 2 years)
- HKD1880 (volume discount apply)



We designed a sensor for HVAC and climate research



Case 1

Long Range Fast Deploy Less Infrastructure

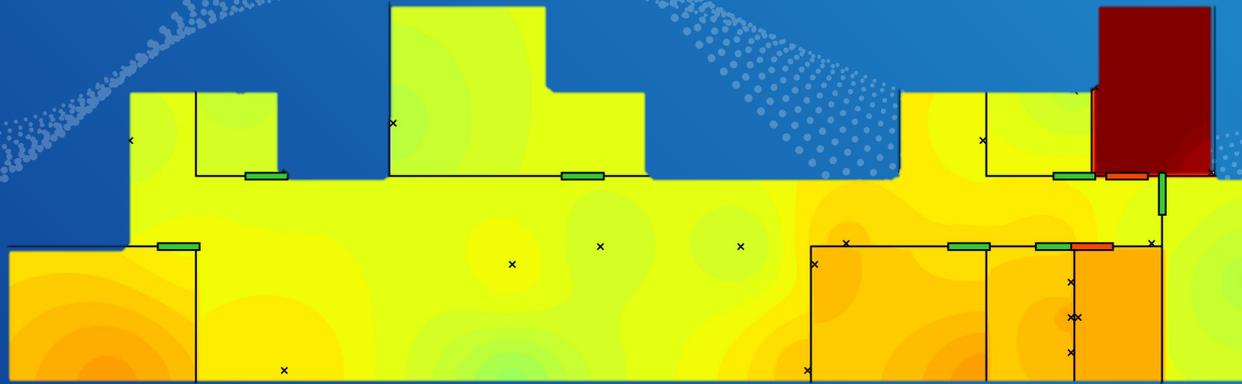


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Case 1

- Clear Sight of Airflow,
- Timeline climate change visualized
- Outdoor micro-climate logging



Size Reference

Indoor heatmap on temperature



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Case 2

LoRa Door Contact Sensor

- Indoor and outdoor
- Door State
- Heartbeat
- Operation range -10°C to 65°C
- HKD1320 (volume discount apply)
- Battery > 3 years
- Adhesive install
- Easy and quick



Case 2

LoRa Door Contact Sensor

- Turned offline equipment online
- Live status update
- Alarm and threshold setting



We have more sensors than you can imagine

- LoRa soap dispenser level sensor
- LoRa hand rub dispenser level sensor
- LoRa PIR sensor
- LoRa ultrasonic sensor
- LoRa motor / pump sensor (Vibration.ai)
- LoRa soil RH sensor
- LoRa solar radiation sensor
- LoRa wind speed sensor
- LoRa wind direction sensor
- LoRa screw pressure sensor
- LoRa power meter communication module
- LoRa heartbeat sensor
- ...

Together, we can build a smarter building!

Thank you!

Any questions?

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