

CHINOINT
SENSE CONNECT

AIOT



SENSE CONNECT

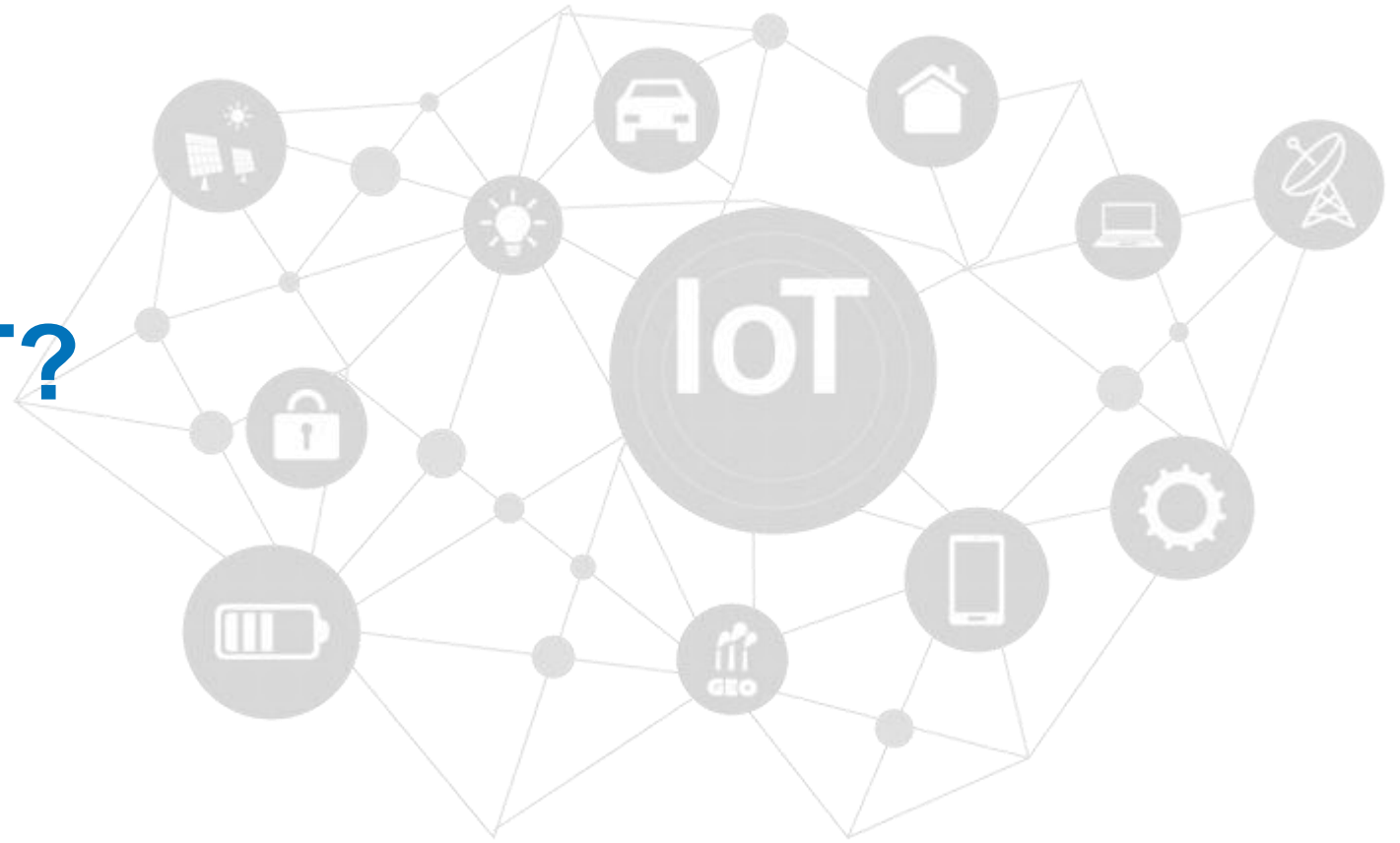
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Who is ChinoINT?



Partners & Customers in Next Gen Smart Solution



suez

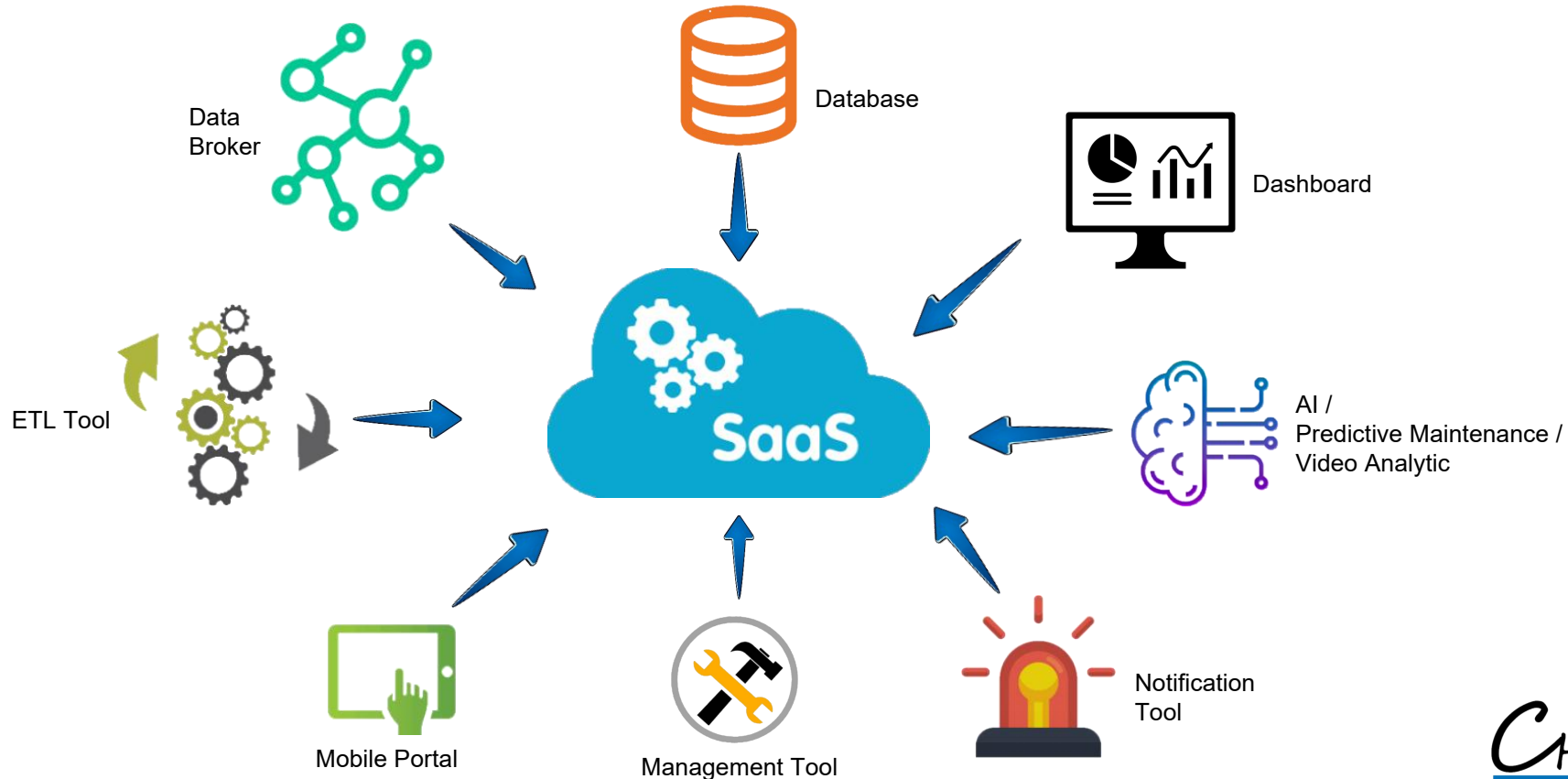


SIEMENS *ITChannel*

ChinoINT SaaS

ChinoINT creates the next generation SaaS and IOT platforms.

The SaaS is a complete platform including data broker, ETL tool, Database, dashboard, management tools, mobile portal and notification tools, etc. This fulfills all your IOT needs and generates extra values to our clients.

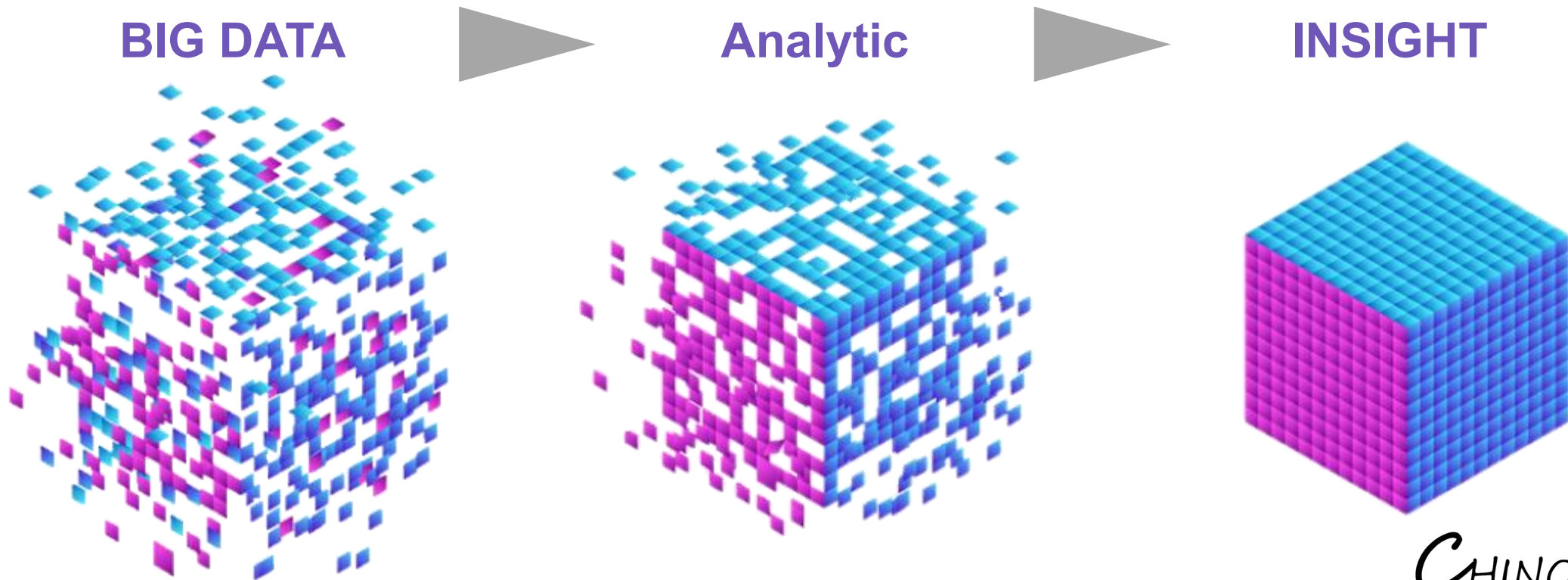


ChinoINT Big Data Analytic

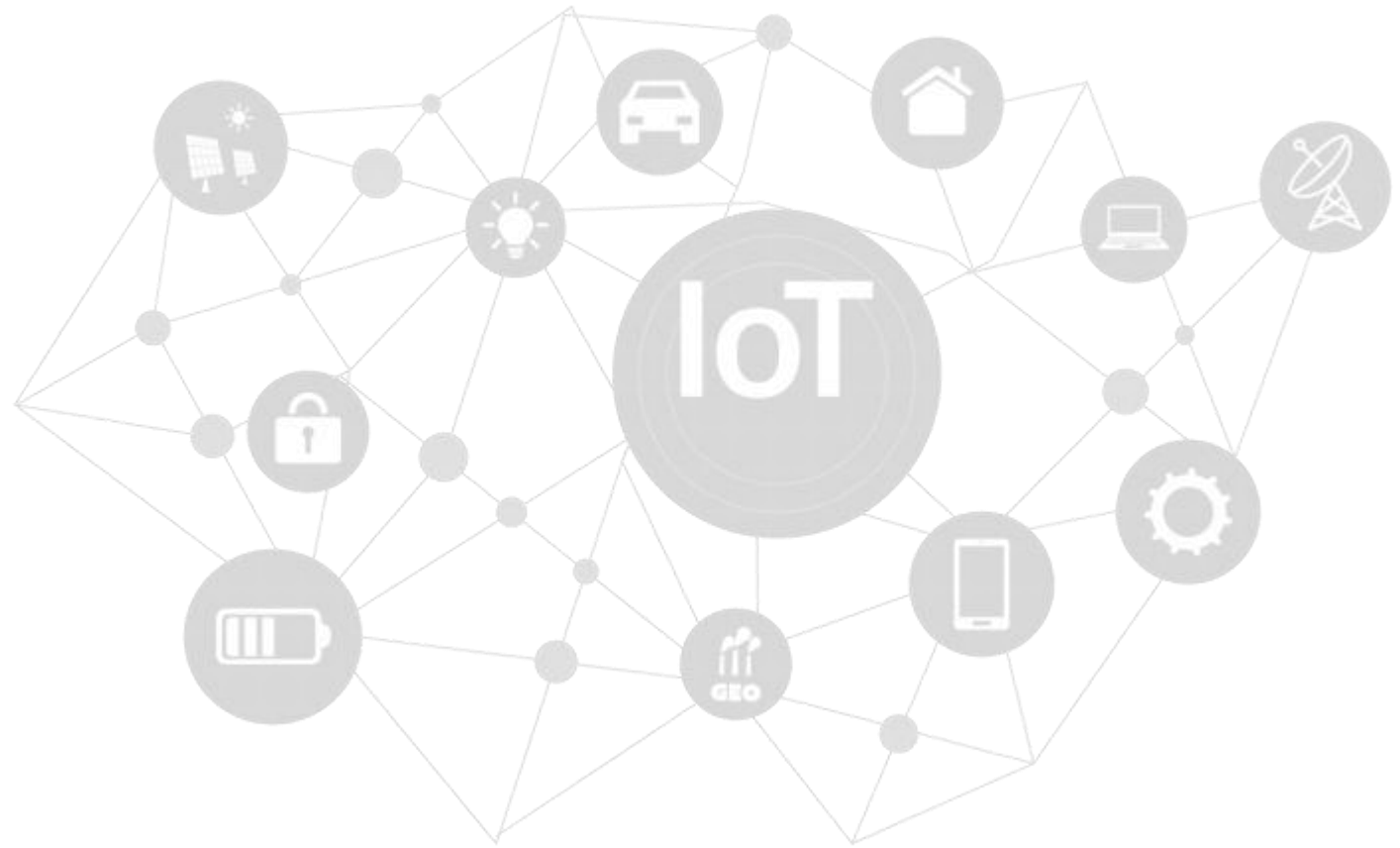
ChinoINT is the Data Expert.

Not only expert in wireless sensor design, but also in data consolidation, storage, manipulation, analytic and data visualization.

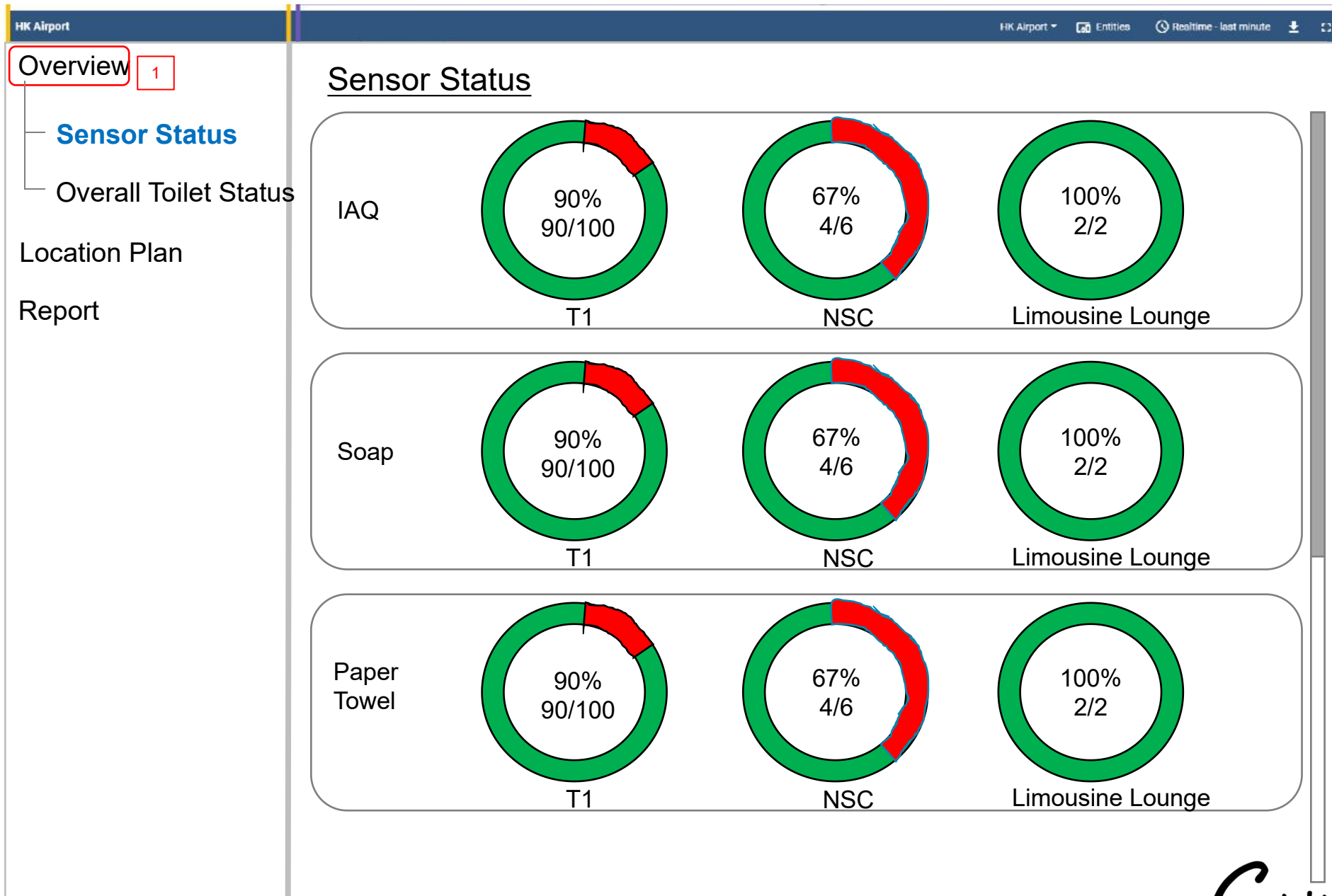
Our experts help you to drill into the hidden meaning of data, and generate insight from the data.



Dashboard Features



Example dashboard for status summary, By Location (2000+ sensors)



Overview 1

Sensor Status

Overall Toilet Status

Location Plan

Report

Overview - Sensor Status Sample Screen, By Sensor Type



Sample dashboard widget for sensor status

Example dashboard for status summary, By Alert Status

HK Airport

HK Airport ▾ 50 Entities Realtime - last minute

Overview 2

- Sensor Status
- Real-time Alert Status**
- Location Plan
- Report

Real-time Alert Status (alert up = % up)

<u>Location</u> ▾	<u>Toilet</u> ▾	<u>Bin</u> ▾	<u>Paper</u> ▾	<u>Soap</u> ▾	<u>Jumbo Roll</u> ▾	<u>IAQ</u> ▾
T1 L5	5.1M	50%	80%	45%	52%	10%
T1 L5	5.1F	100%	10%	20%	25%	10%
T1 L5	5.2M	30%	0%	0%	10%	15%
T1 L5	5.2F	20%	21%	48%	54%	42%
T1 L5	5.3M	30%	0%	0%	10%	15%
T1 L5	5.3F	20%	21%	48%	54%	42%

(Table can be sorted by sensor alert %)

$$\% = \frac{\text{nos. of sensors in alert level}}{\text{total nos. of sensors installed}} \times 100\%$$

Analytic - Sample Screen for Real Time Alert Status



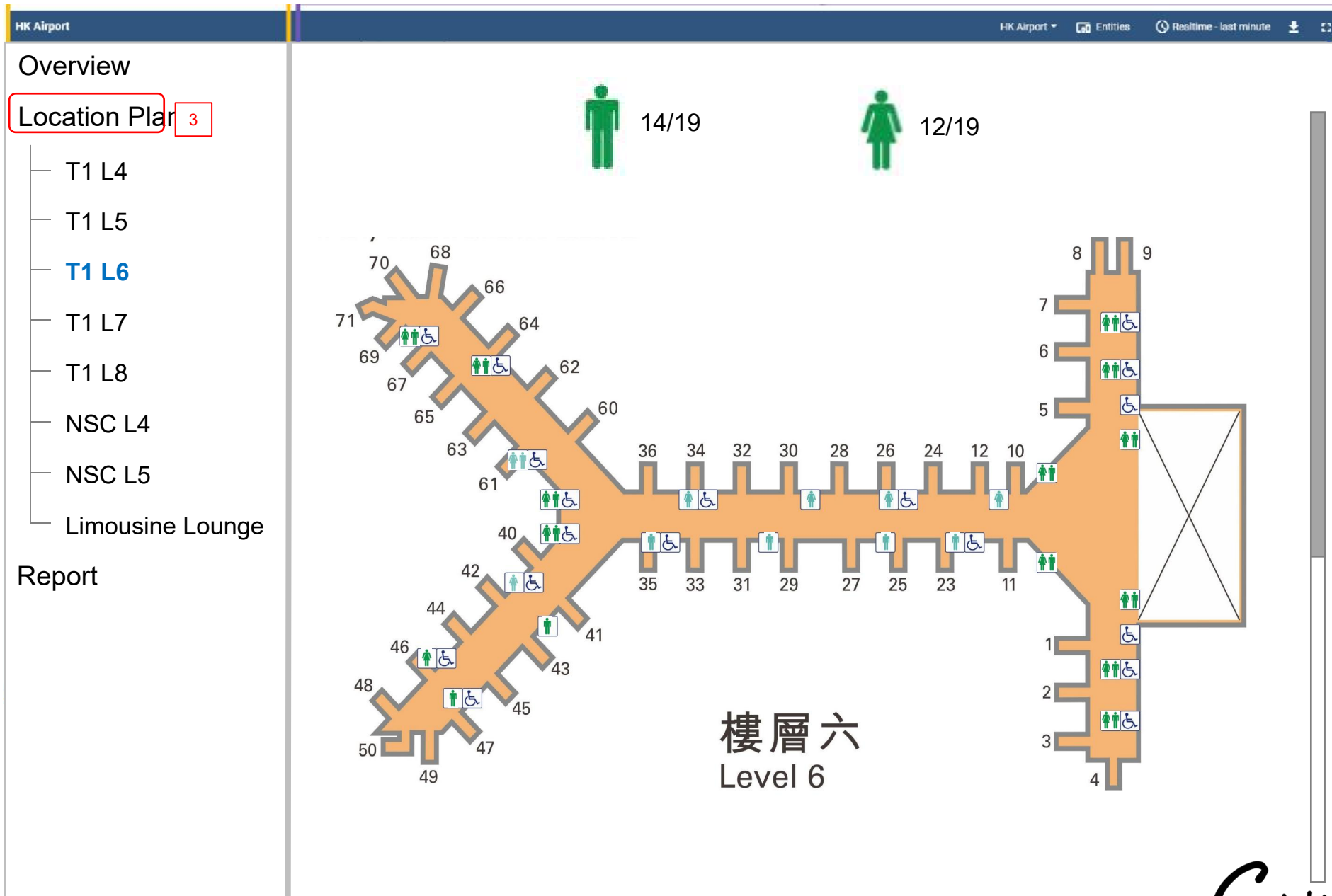
Click Column Title to sort

Toilet ↑	Bin	Paper Towel	Soap level	Jumbo roll	IAQ
T1-4-3F_JAQ	28.8%	54.2%	28.8%	54.2%	28.8%
T1-4-3M_JAQ	30.2%	55.5%	30.2%	55.5%	30.2%
T1-4-4F_JAQ	28.1%	54.2%	28.1%	54.2%	28.1%
T1-4-4M_JAQ	30.4%	48.9%	30.4%	48.9%	30.4%
T1-5-10F_JAQ	28.1%	64.6%	28.1%	64.6%	28.1%
T1-5-10M_JAQ	27.4%	62%	27.4%	62%	27.4%
T1-5-13F_JAQ	25.6%	52.1%	25.6%	52.1%	25.6%
T1-5-13M_JAQ	0%	0%	0%	0%	0%
T1-5-14F_JAQ	26.4%	53.6%	26.4%	53.6%	26.4%
T1-5-14M_JAQ	26.3%	51.9%	26.3%	51.9%	26.3%
T1-5-15F_JAQ	23.5%	64.3%	23.5%	64.3%	23.5%
T1-5-15M_JAQ	24.7%	60.8%	24.7%	60.8%	24.7%
T1-5-16F_JAQ	79%	5%	79%	5%	79%
T1-5-16M_JAQ	25.7%	57.4%	25.7%	57.4%	25.7%

Toilet	Bin	Paper Towel	Soap level ↓	Jumbo roll	IAQ
T1-5-16F_JAQ	79%	5%	79%	5%	79%
T1-NSC-5F_JAQ	30.9%	61.4%	30.9%	61.4%	30.9%
T1-4-4M_JAQ	30.4%	49%	30.4%	49%	30.4%
T1-4-3M_JAQ	30.2%	55.6%	30.2%	55.6%	30.2%
T1-6-16M_JAQ	29.3%	49.6%	29.3%	49.6%	29.3%
T1-6-15F_JAQ	29.2%	50.3%	29.2%	50.3%	29.2%
T1-6-18M_JAQ	29%	58.6%	29%	58.6%	29%

Sorting example - Soap

Sample Screen for Mapview



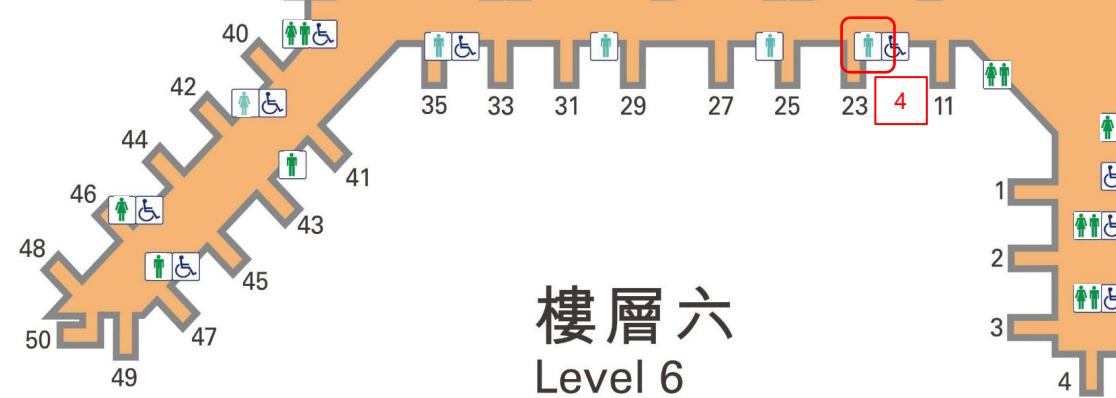
Overview

Location Plan

- T1 L4
- T1 L5
- T1 L6**
- T1 L7
- T1 L8
- NSC L4
- NSC L5
- Limousine Lounge

Report

(Pop out layout plan)



Real time status icon

HK Airport Realtime - last minute

Overview

Location Plan

- T1 L4
- T1 L5
- T1 L6**
- T1 L7
- T1 L8
- NSC L4
- NSC L5
- Limousine Lounge

Report

Button click to open dashboard for all sensor status

Toilet 0.0 Male bin status
Status: 100 %
Bin Dashboard

5

All device status will be shown on the toilet dashboard
battery level, consumables level, IAQ, etc will be displayed

樓層六
Level 6

Click icon to show link



Device Specific Dashboard

HK Airport

HK Airport ▾ 30 Entities ⌚ Realtime - last minute

Overview

Location Plan

- T1 L4
- T1 L5
- T1 L6**
- T1 L7
- T1 L8
- NSC L4
- NSC L5
- Limousine Lounge

Report

Entities hierarchy

- Hong Kong Airport
 - 6th Floor
 - Toilet6_4F
 - Toilet6_8M
 - T6_8M_Bin1
 - T6_8M_Bin2
 - T6_8M_Humi
 - T6_8M_PaperTowel1
 - T6_8M_PaperTowel2
 - T6_8M_PaperTowel3
 - T6_8M_PaperTowel4
 - T6_8M_Temp
 - T6_8M_Tissue1
 - T6_8M_Tissue2
 - 7th Floor

Device Dashboard

Clicking the device icon in toilet dashboard or the device in the drop down list enters the device dashboard
All the same type of device in the same toilet will be displayed

50% (BIN1 level)

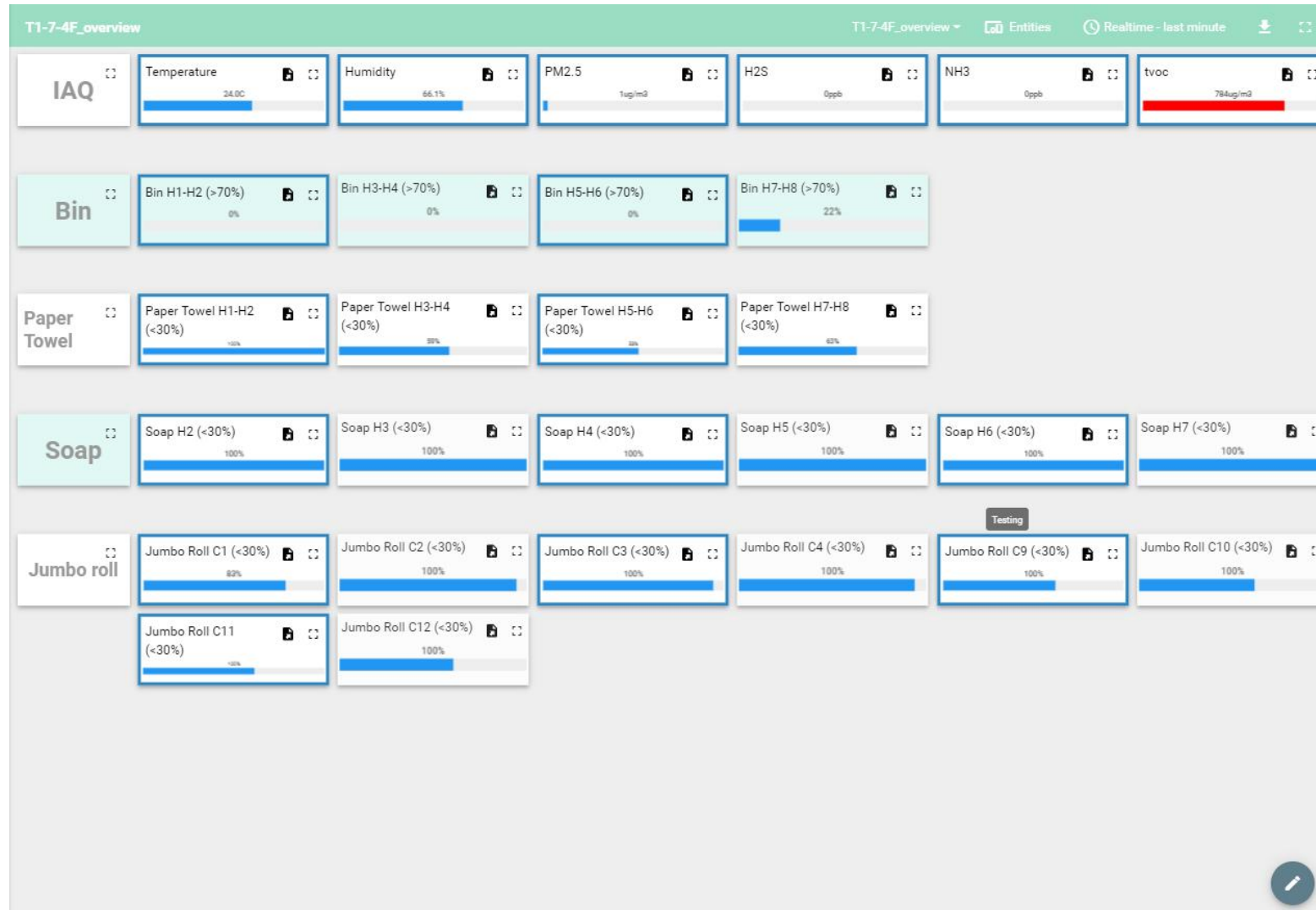
100% (BIN2 level)

Bar color change if over threshold

Highlighted and grouped widget for 1 sensor

CHINOINT

Toilet overall sensors status



Analytic for Alert Notification

HK Airport

HK Airport ▾ 30 Entities 🕒 Realtime - last minute 📄

Overview

Location Plan

Report 6

Alert Notification Summary

Alert Response Summary

Alert Notification Summary

Time period

Date from 06 / 22 / 2021 Time from 05 : 24 PM

Date to 06 / 23 / 2021 Time to 05 : 24 PM

Location	Toilet	IAQ	Soap				Bin			Paper Towel			Jumbo Roll			
			H1	H2	H3	Avg. alert rate	H1-H2	H3-H4	Avg. alert rate	H1-H2	H3-H4	Avg. alert rate	C1	C2	C3	Avg. alert rate
T1 L5	5E2 M	3	1	2	9	4	2	2	2	2	2	2	0	0	0	0
T1 L5	5E2 F	1	8	1	5	4.67	4	4	4	4	4	4	0	0	0	0
T1 L6	6.1M	2	5	2	2	3	2	5	3.5	2	5	3.5	0	0	0	0
T1 L6	6.1F	10	6	5	2	4.33	8	N/A	8	8	N/A	8	0	0	0	0
T1 L6	6.2M	5	3	8	N/A	5.5	6	N/A	6	6	N/A	6	0	0	0	0
T1 L6	6.2F	3	2	6	4	4	7	8	7.5	7	8	7.5	0	0	0	0
T1 L6	6.3M	8	1	1	5	2.33	2	9	5.5	2	9	5.5	0	0	0	0
NSC L4	T01 M	3	4	2	N/A	3	0	N/A	0	0	N/A	0	0	0	0	0
NSC L4	T02F	3	8	3	N/A	5.5	0	N/A	0	0	N/A	0	0	0	0	0
Limousine Lounge	3L009 M	5	5	4	NA	4.5	0	NA	0	0	NA	0	0	0	0	0

Alert Response Summary

HK Airport

HK Airport ▾ 30 Entities Realtime - last minute ⌵ ⌵

Overview

Location Plan

Report 7

Alert Notification Summary

Alert Response Summary

Alert Response Summary

Time period

Date from 06 / 22 / 2021 Time from 05 : 24 PM
Date to 06 / 23 / 2021 Time to 05 : 24 PM

Location: T1 L6 Toilet: 6.8M Sensor: Bin H1-H2

Alert Start ▾

Alert Ends ▾

Response Time ▾

05:30pm

06:30pm

60 mins

08:00pm

08:10pm

10 mins

09:45pm

10:00pm

15 mins

Event Log

Alarm Log Record 🔍 🗄️

🕒 Realtime - last 30 days

Timestamp ↓	Alarm	Probe1
2024-02-09 11:08:35	WL-TKO-1F-001	Alarm
2024-02-09 11:03:31	WL-TKO-1F-001	Alarm
2024-02-09 10:58:26	WL-TKO-1F-001	Alarm
2024-02-09 10:53:22	WL-TKO-1F-001	Alarm
2024-02-09 10:48:17	WL-TKO-1F-001	Alarm
2024-02-09 10:43:13	WL-TKO-1F-001	Alarm

Items per page: 10 ▼ 1 - 10 of 39 << < > >>

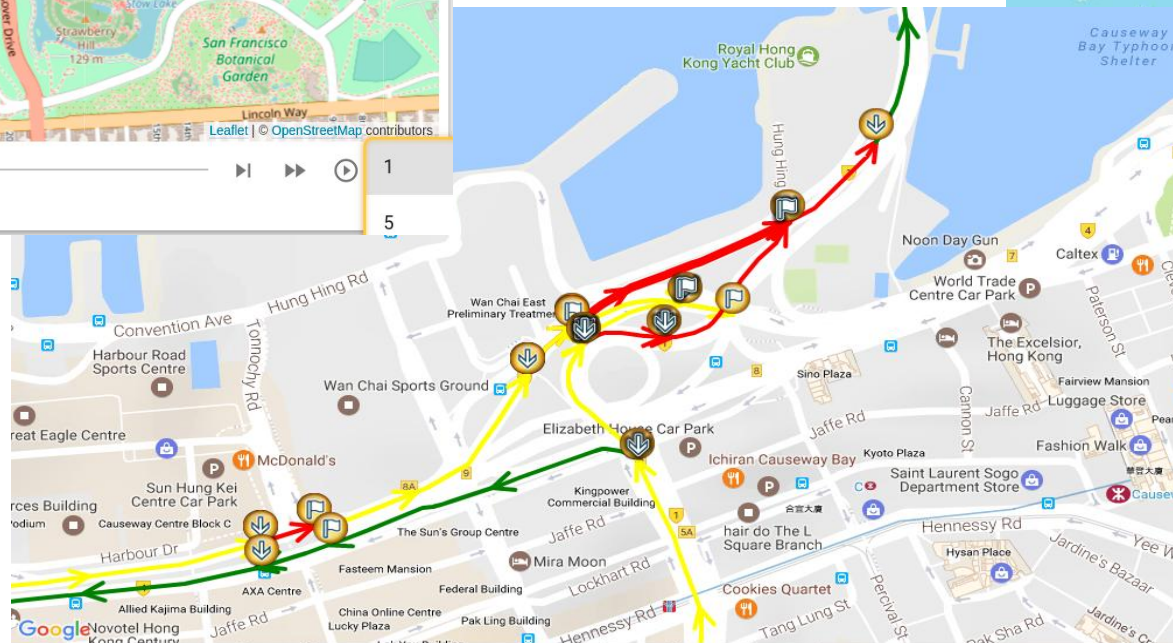
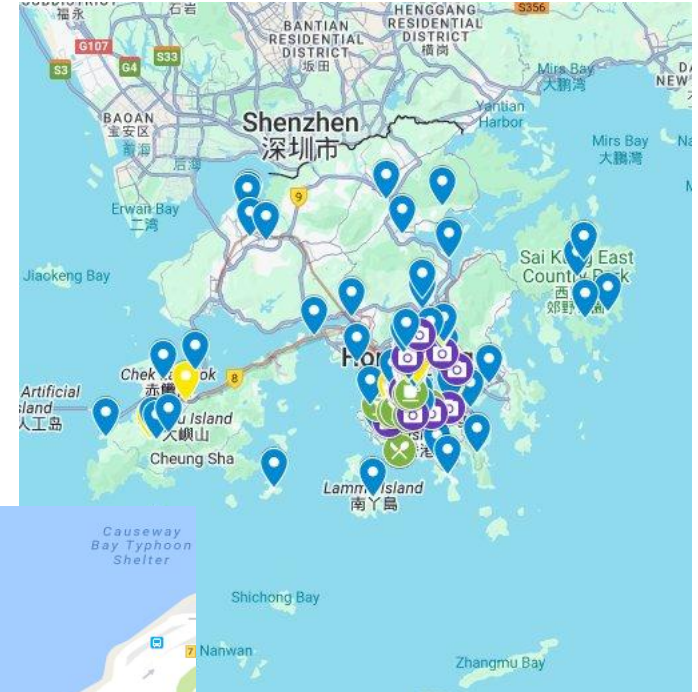
Google Map Integration

Dashboard 1

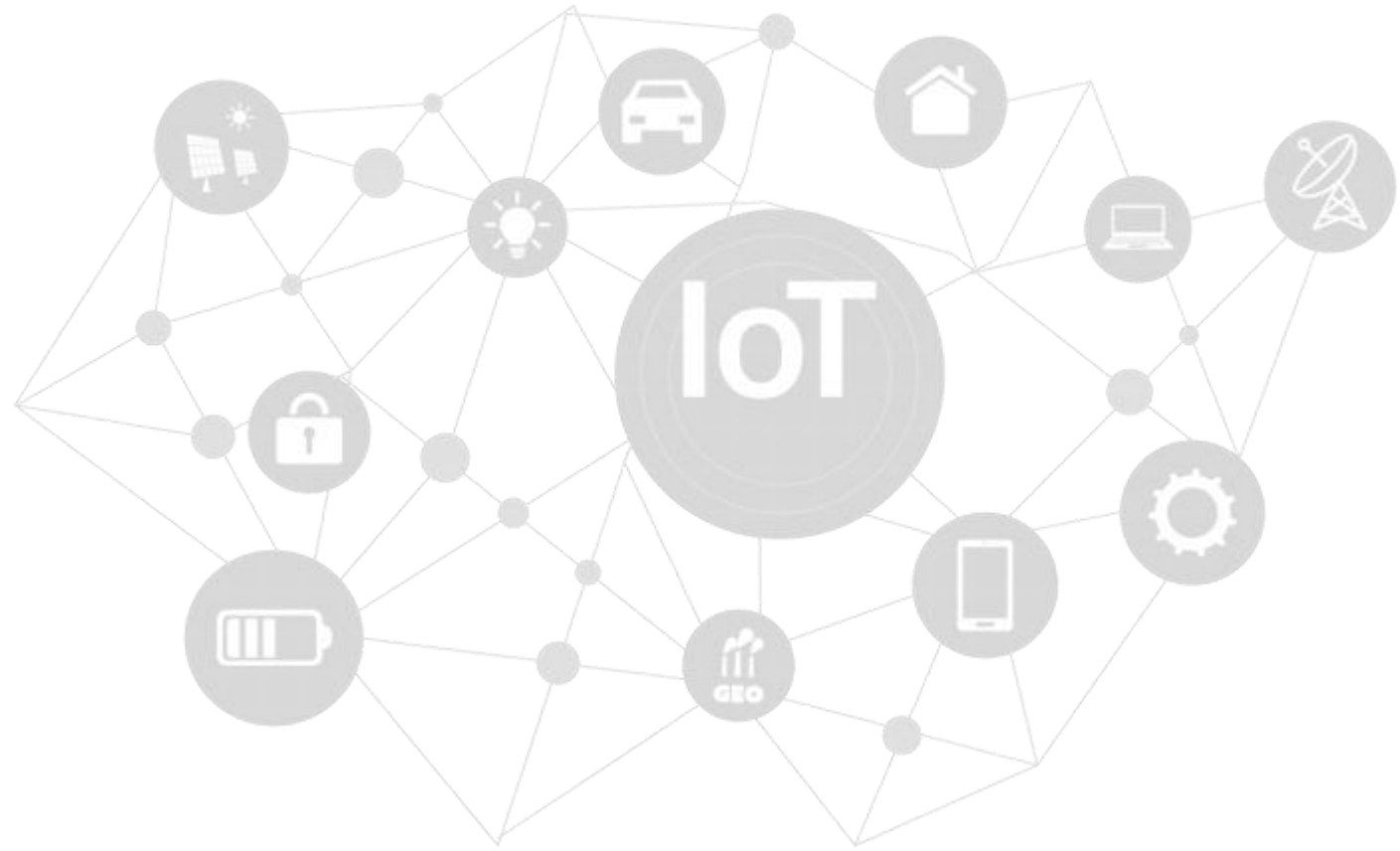
New Trip Animation
🕒 History - last minute

Tracker1

May 31, 2022, 1:43:48 PM

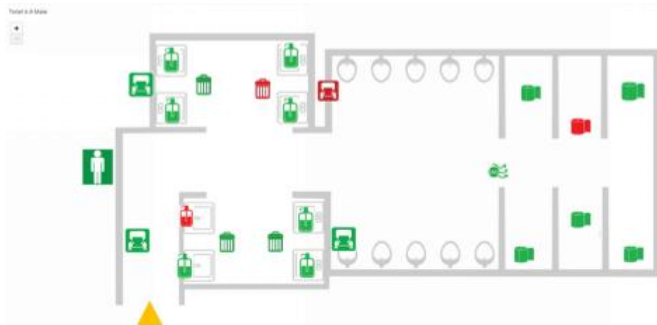
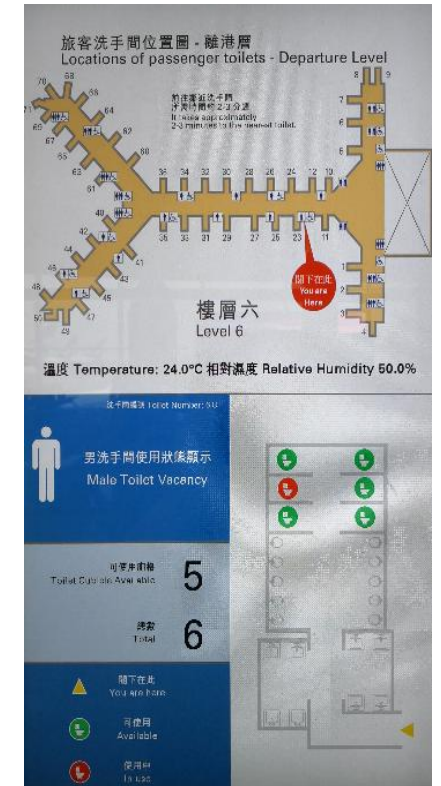
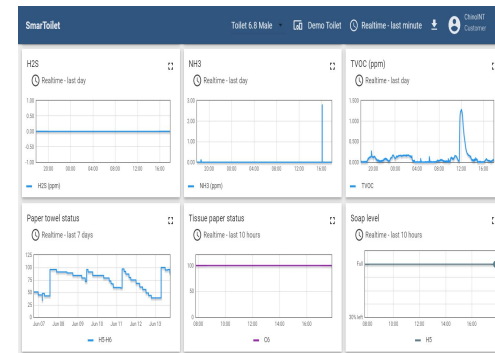
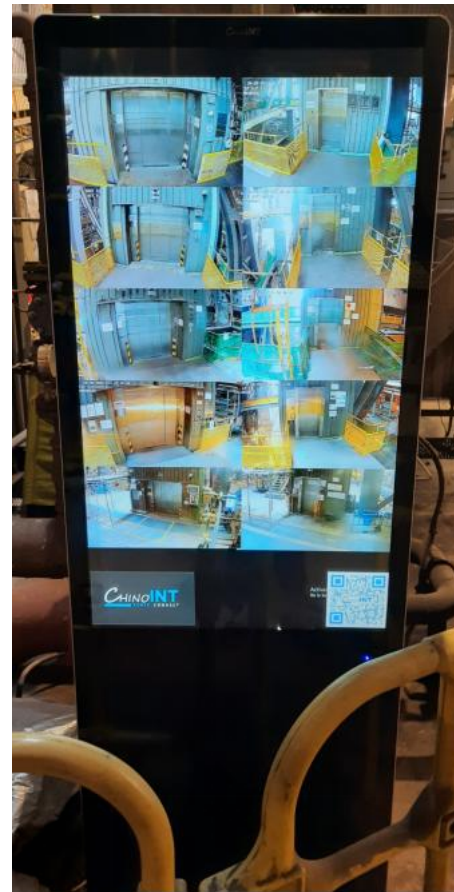


More Dashboard Examples



Dashboard for SSSS and Smart FM

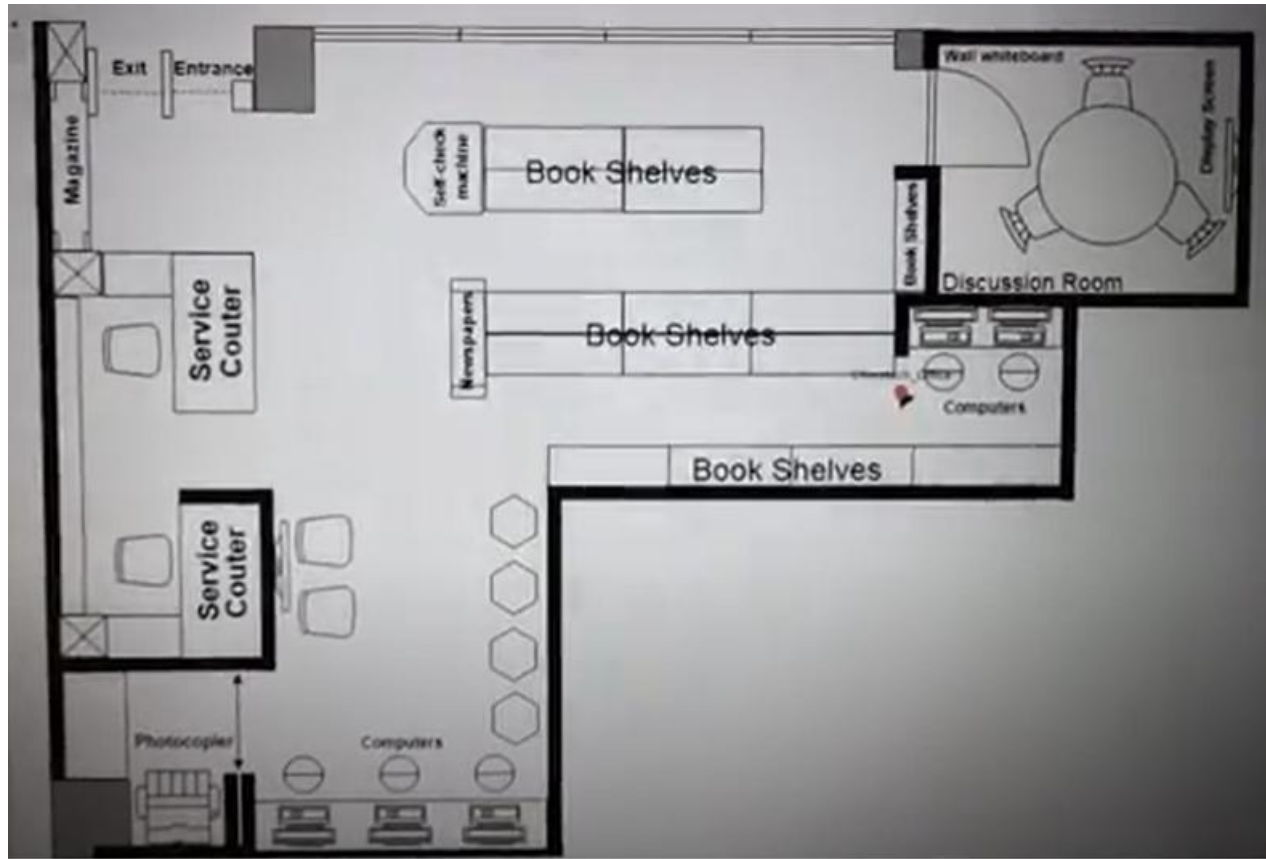
Clean and clear dashboarding is one of the key element in an IoT system. The ChinoINT IOT platform provides easy to use dashboard, with multi-layer user account settings. GUI Maintenance Portal is provided with the platform. Both desktop and mobile version (Android and IOS) are available.



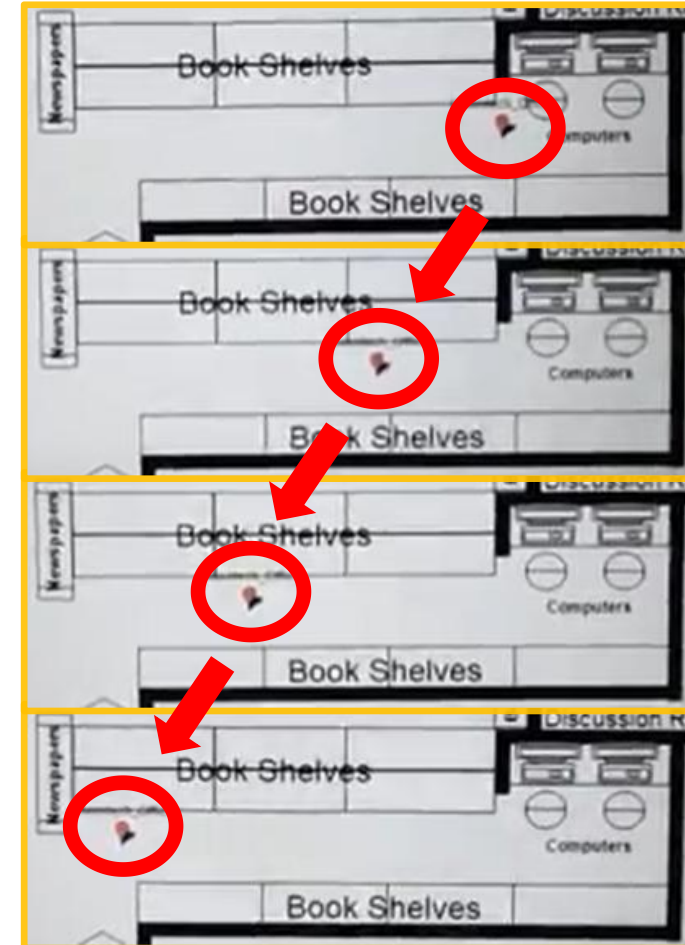
Dashboard for Real Time Location System (RTLS)



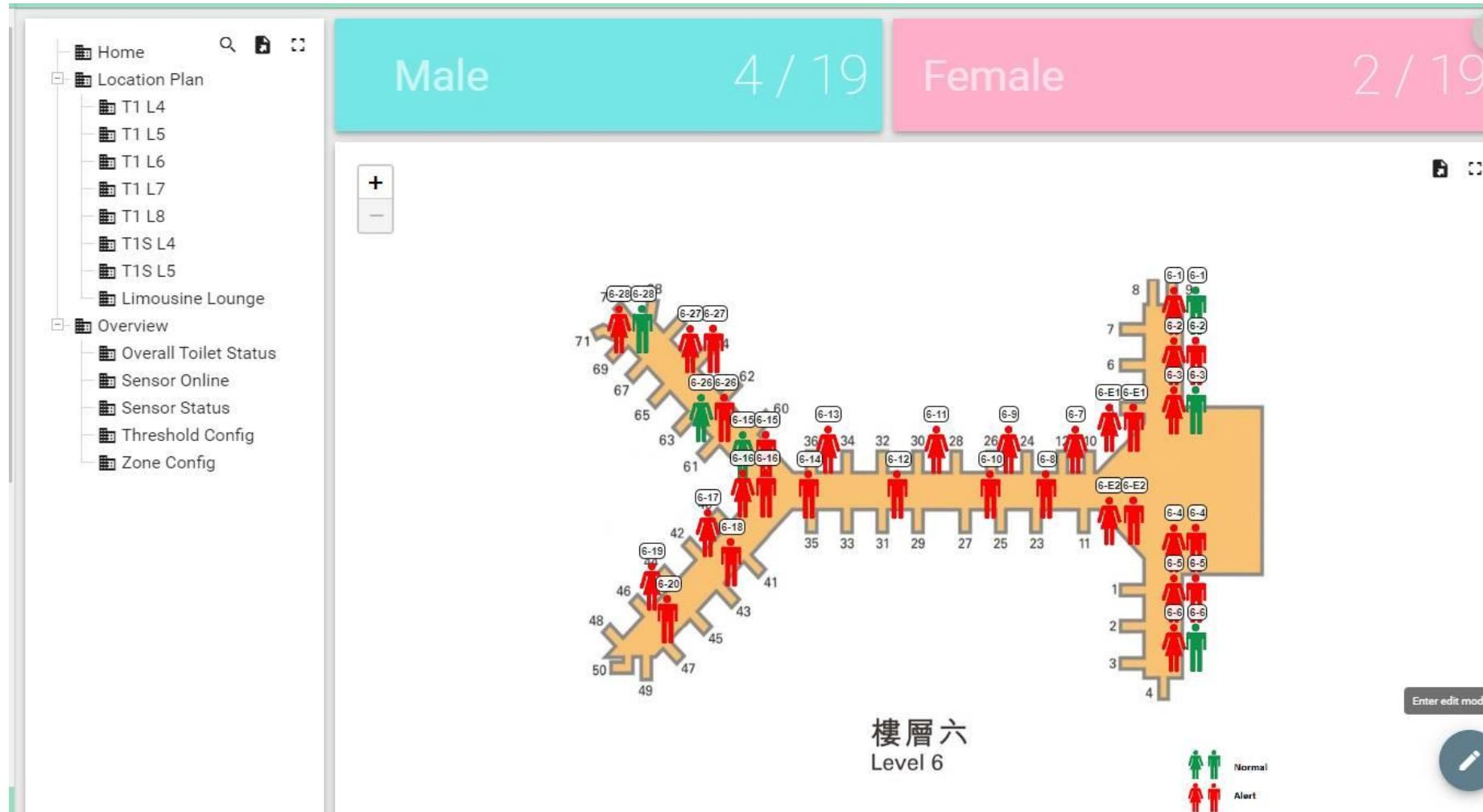
Real Time GUI for asset and people tracking
Easy to use interface



Real Time Tracking

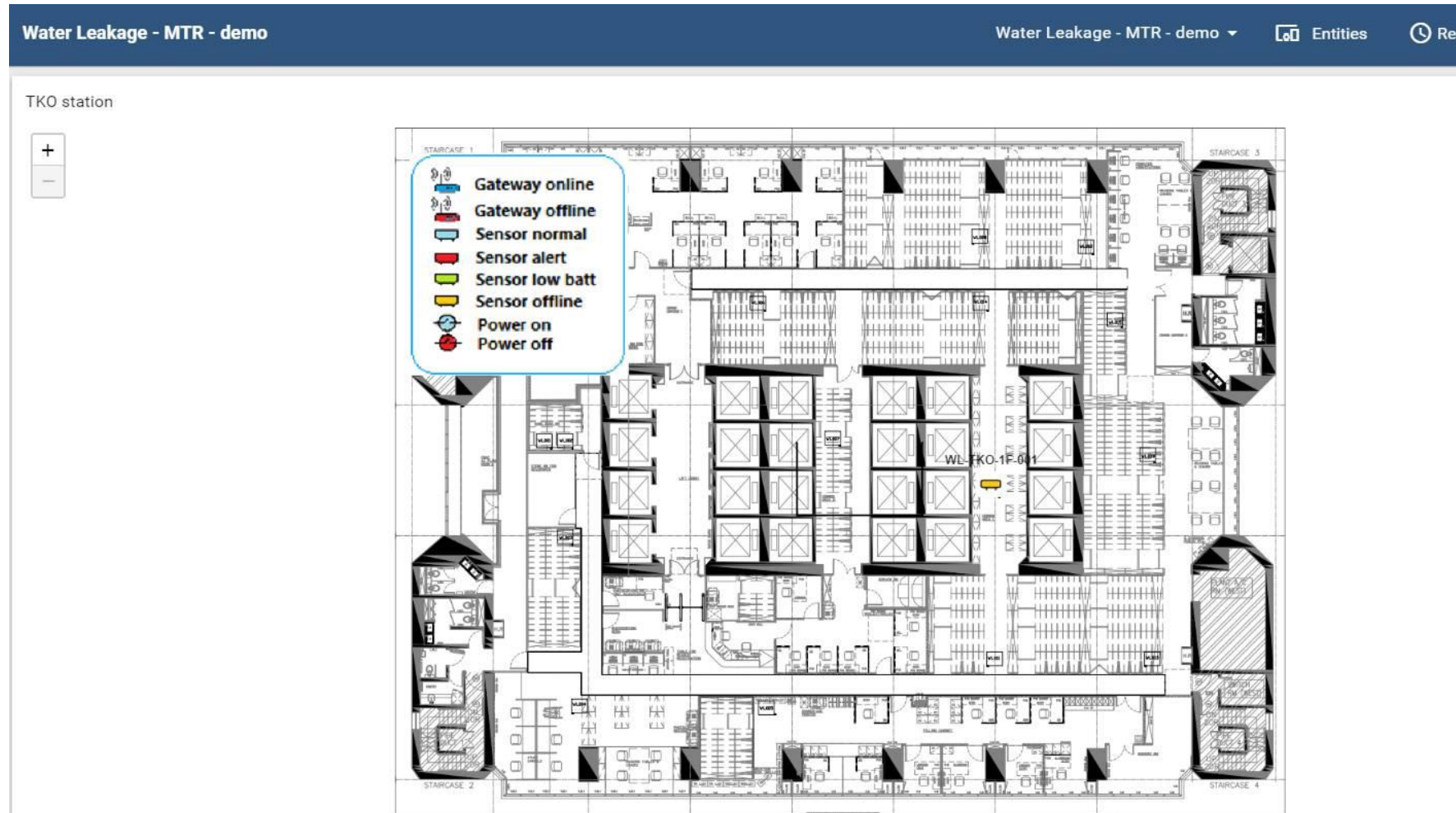


Dashboard for Smart Toilet System



Demo Dashboard for MTR Visit

(Base on Queensway Government Office - Water Leakage Sensor)



ChinoINT provides dashboard customization service

Dashboard for Fall Detection System

Dashboard: Overall statue

ChinoINT Fall Detection Monitoring Platform

Accessible Toilet Real Time Status

Sensor Name ↑	Status	Occupancy	Overstay	ST Motionless	Motionless	ST fall	Fall	Last Update Time
1/F accessible toilet 101	●	Available	●	●	●	●	●	18/05/2024 18:38:25
1/F accessible toilet 102	●	Occupied	●	●	●	●	●	18/05/2024 18:38:22
2/F accessible toilet 201	●	Occupied	●	●	●	●	●	18/05/2024 18:38:34
3/F accessible toilet 301	●	Occupied	●	●	●	●	●	18/05/2024 18:38:22
5/F accessible toilet 501	●	Occupied	●	●	●	●	●	18/05/2024 18:38:31

Event Log

Accessible Toilet Sensor Log Demo units.

Sensor Alarm Log

Realtime - Current half year

Timestamp ↓	sensor	Event	Category
2024-05-19 10:15:33	5/F accessible toilet 501	Fall Down Alarm	●
2024-05-19 10:14:59	3/F accessible toilet 301	Overstay Alarm	●
2024-05-19 10:14:36	1/F accessible toilet 102	Motionless Alarm	●
2024-05-19 10:13:07	2/F accessible toilet 201	Short Term Motionless Alarm	●
2024-05-19 10:12:19	1/F accessible toilet 102	Motionless Alarm	●
2024-05-18 19:17:23	5/F accessible toilet 501	Fall Down Alarm	●
2024-05-18 19:15:50	5/F accessible toilet 501	Fall Down Alarm	●
2024-05-18 19:14:04	5/F accessible toilet 501	Fall Down Alarm	●

Fall Down

Timestamp ↓	sensor	Event	Category
2024-05-19 10:15:33	5/F accessible toilet 501	Fall Down Alarm	●
2024-05-18 19:17:23	5/F accessible toilet 501	Fall Down Alarm	●
2024-05-18 19:15:50	5/F accessible toilet 501	Fall Down Alarm	●
2024-05-18 19:14:04	5/F accessible toilet 501	Fall Down Alarm	●
2024-05-18 19:04:52	5/F accessible toilet 501	Fall Down Alarm	●
2024-05-18 19:03:51	5/F accessible toilet 501	Fall Down Alarm	●

Eg.1 Type "Fall Down", it will list all "Fall Down Alarm" event

Search

Category

●

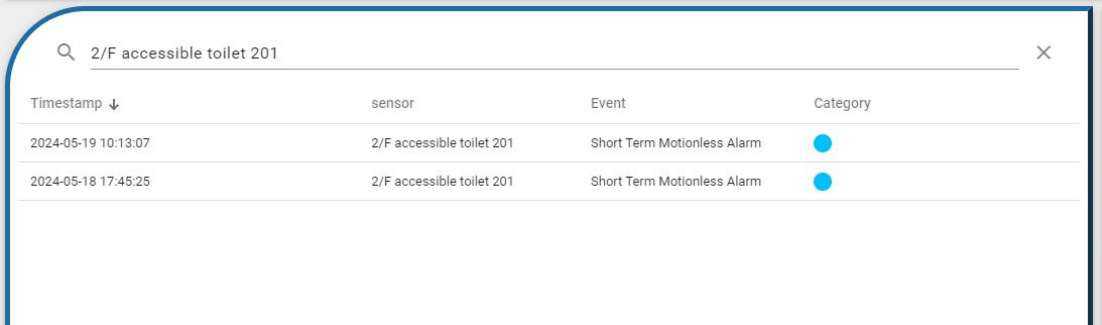
●

Log support "Search" feature

Dashboard for Fall Detection System

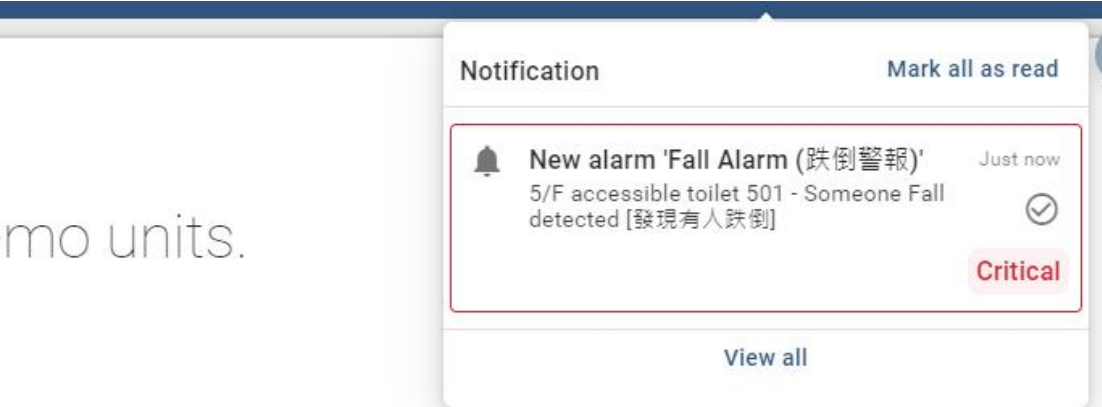
Messenger App notification - Telegram

Eg.2 Type "2/F accessible toilet 201", it will list only that sensor event



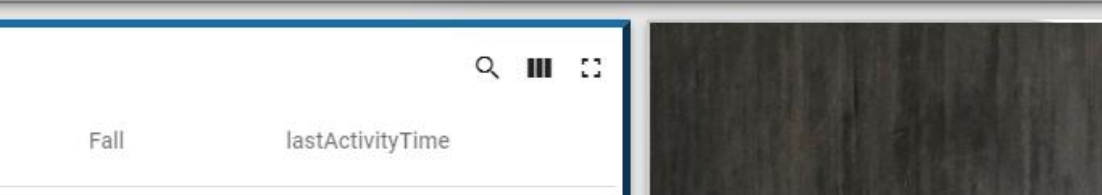
The screenshot shows a search bar with the text "2/F accessible toilet 201". Below it is a table with the following data:

Timestamp ↓	sensor	Event	Category
2024-05-19 10:13:07	2/F accessible toilet 201	Short Term Motionless Alarm	●
2024-05-18 17:45:25	2/F accessible toilet 201	Short Term Motionless Alarm	●



The notification card displays the following information:

- Notification** (with "Mark all as read" link)
- New alarm 'Fall Alarm (跌倒警報)'** (Just now)
- 5/F accessible toilet 501 - Someone Fall detected [發現有人跌倒]
- Critical** (red label)
- View all** (button)



The screenshot shows a table with the following columns:

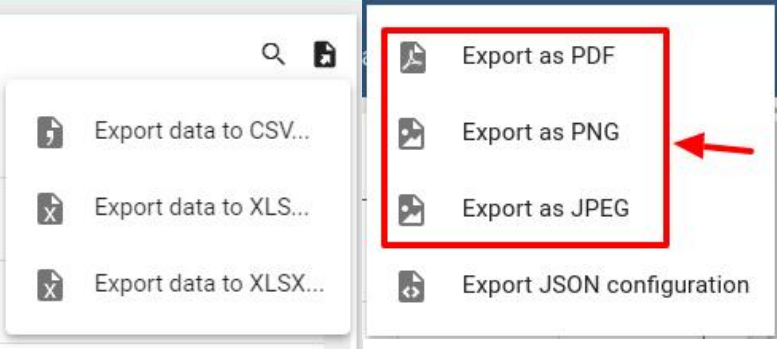
Fall	lastActivityTime
------	------------------

System notification: onscreen alert when alarm arises



The screenshot shows a Telegram chat titled "Fall Detection Monitoring Platform Administrator" with 2 members. The chat contains several notifications:

- [2024/05/19 11:25:25] 5/F accessible toilet 501 Fall Alarm (5/F accessible toilet 501 跌倒警報) 11:25 AM
- [2024/05/19 11:26:11] 1/F accessible toilet 101 Fall Alarm (1/F accessible toilet 101 跌倒警報) 11:26 AM
- [2024/05/19 11:26:32] 2/F accessible toilet 201 Fall Alarm (2/F accessible toilet 201 跌倒警報) 11:26 AM
- [2024/05/19 11:26:52] 3/F accessible toilet 301 Fall Alarm (3/F accessible toilet 301 跌倒警報) 11:26 AM
- [2024/05/19 11:27:13] 1/F accessible toilet 102 Fall Alarm (1/F accessible toilet 102 跌倒警報) 11:27 AM

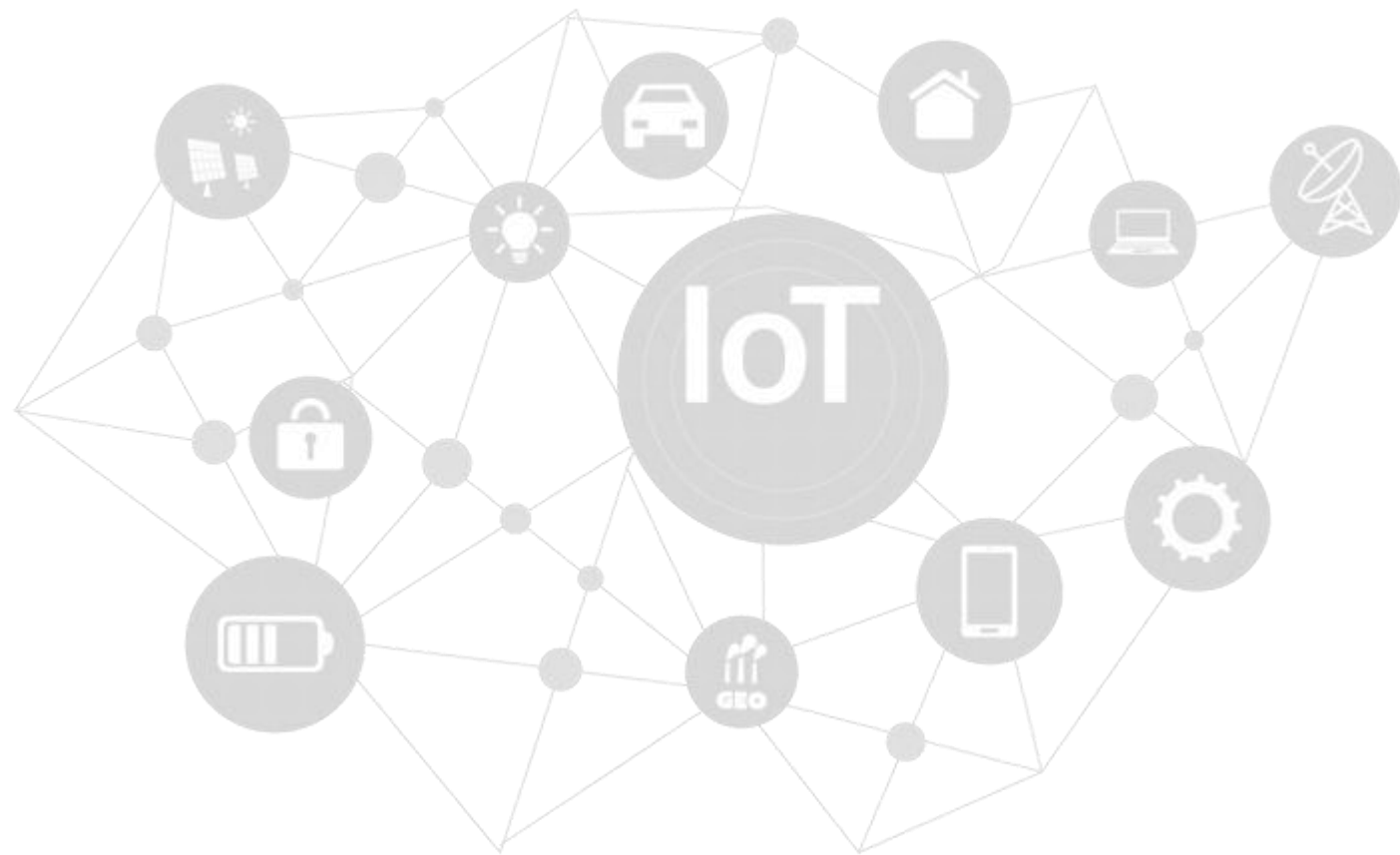


The screenshot shows a "Data & Report" menu with the following options:

- Export data to CSV...
- Export data to XLS...
- Export data to XLSX...
- Export as PDF
- Export as PNG** (highlighted with a red box and arrow)
- Export as JPEG
- Export JSON configuration

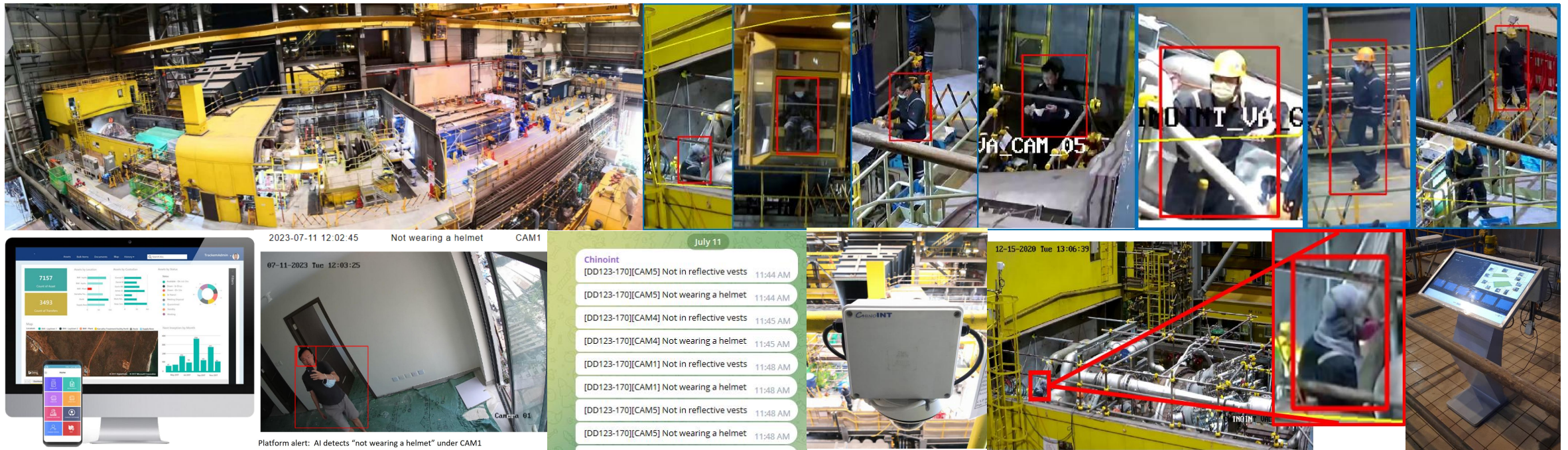
Data & Report

Solutions & References



Reference - Video Analytic

Region	Name	End user	Year of Completion
Hong Kong	SSSS - Turbine Work Safety Video Analytic	CLP - Black Point Power Plant	2021
Hong Kong	SSSS - 5G enabled Smart Construction Site Monitoring	Nga Ying Decoration Ltd	2023
Hong Kong	SSSS - 5G enabled Smart Construction Site Monitoring	Por Mee Factory Building	2023
Hong Kong	Facial Recognition Terminal with fever detection	Siemens Hong Kong	2020

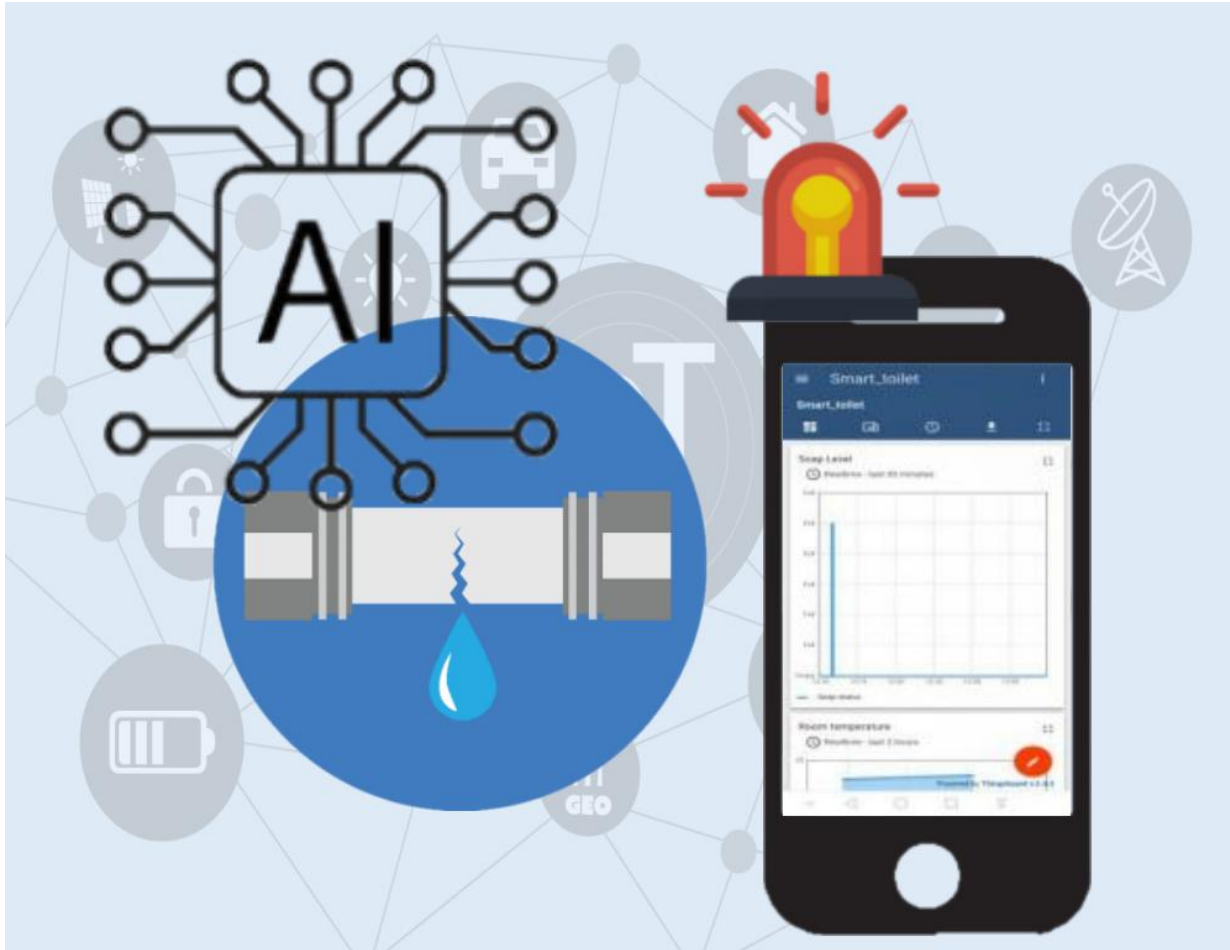


Reference - Facility Management

Region	Name	End user	Year of Completion
Hong Kong	Smart Metering - LoRaWan	SUEZ - IWTS	2021
Hong Kong	Smart Toilet - LoRaWan	Hong Kong International Airport	2022
Hong Kong	Smart Facility Management - LoRaWan	M+ - ASD	2021
Hong Kong	Smart Facility Management - LoRaWan	Kadoorie Estates Limited	2020-2023
Hong Kong	IOT Hub	Kai Tak Sports Park	2023
Hong Kong	Smart Metering	Poly U	2020
Hong Kong	Smart Toilet	Poly U	2022
Hong Kong	Smart Facility Management - Water leakage Detection	Queensway Government Office	2022
Hong Kong	AI Pipe Blockage Detection	Legislation Council	2024
Hong Kong	Smart Chiller Plant - Yau Ma Tei Public Cargo smart switchboard	EMSD	2022
Hong Kong	Smart Chiller Plant - Po Ning Road Clinic Smart Switchroom	EMSD	2022
Hong Kong	Smart Chiller Plant - Hong Kong Heritage Museum	EMSD	2023
Hong Kong	Smart Chiller Plant - Digitalisation of switchrooms at Lockhart Road MSB	EMSD	2023
Hong Kong	Smart Chiller Plant - Hong Kong Museum of Coastal Defense	EMSD	2023
Hong Kong	Smart Chiller Plant & AI Pipe Blockage Detection	Poly U	2023



AI Pipe Blockage Detection - Legislation Council & Poly U



Readily Deployed Solution

ChinoINT Pipe Blockage Detection system has been deployed in Hong Kong, including local university and commercial buildings



Smart Chiller Plant and Switch Room Monitoring - EMSD & Poly U



Project Background

To maintain the environment safety and real time monitoring

Project Description

LoRaWan air quality sensors including Chlorine sensors are deployed. LoRaWan sensors such as people counter, water leakage, piep monitoring are being installed.

ChinoINT successfully deployed a LoRaWan infrastructure and achieved the above goals.



Smart Facility Management - Kadoorie Management



Project Background

A Hong Kong Real Estates Company would like to deploy a IoT system to collect the building alarms from remote sites (services apartment)

Project Description

LoRa sensors/LoRa Nodes for dry contact are deployed at their main building and remote site buildings to collect the alarm for water leakage, temperature & RH, water level, CT. pipe pressure, etc and transfer the alarms to main office via Internet.

ChinoINT successfully deployed a LoRaWan infrastructure and achieved the above goals.

Queensway Government Office - Water Leakage Detection & GWIN Integration



Project Background

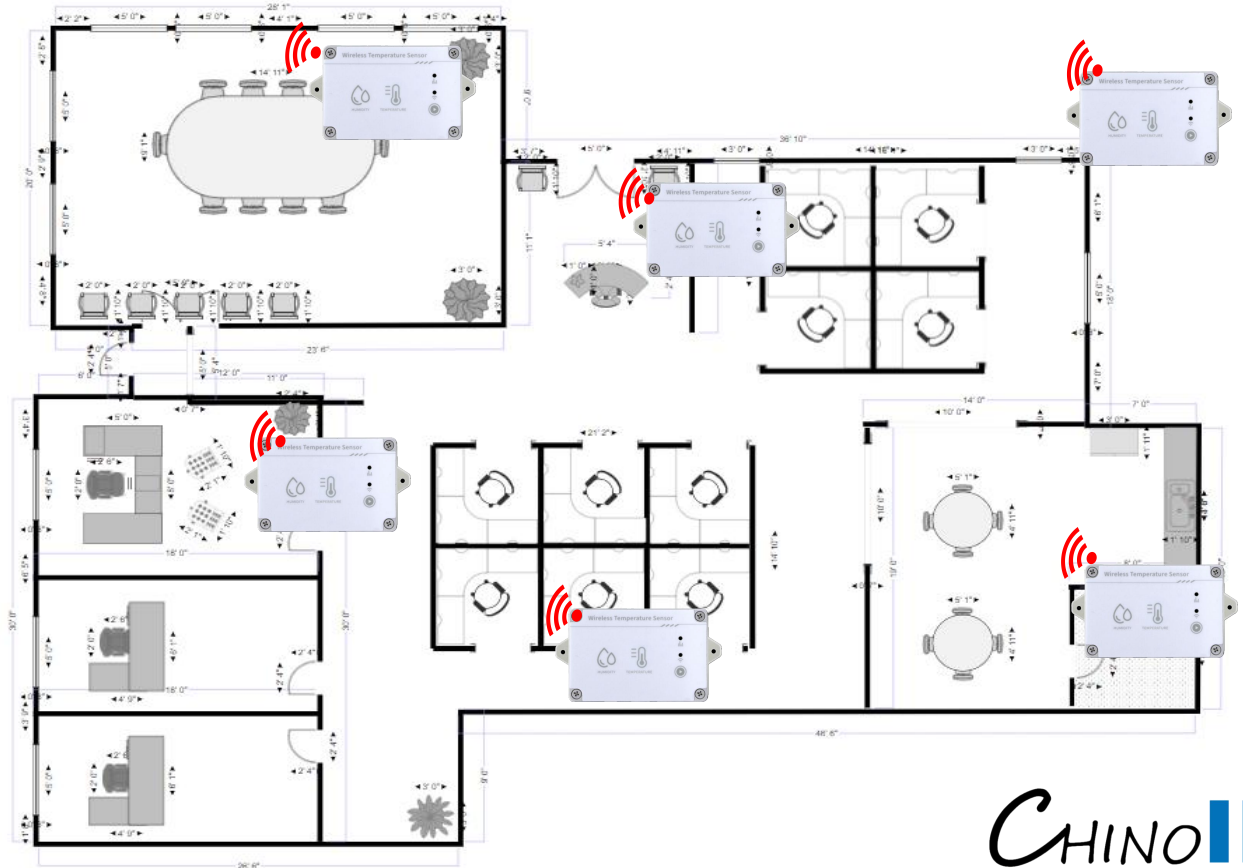
To deploy water leakage sensors and data integration to GWIN

Automated Air/Con Automation @ M+

ChinoINT masters on wireless technology.

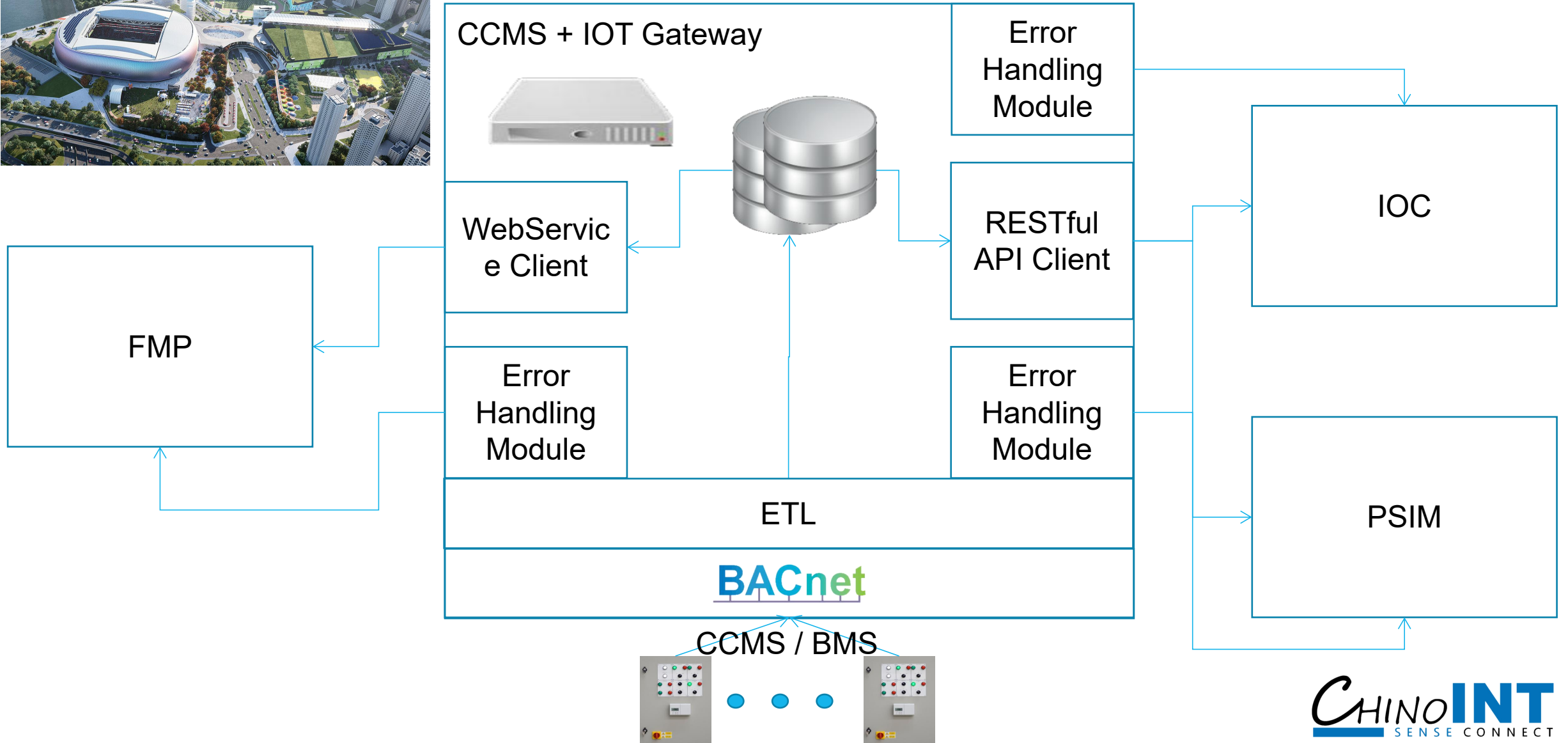
Temperature and humidity feeds to the IoT gateway.

Feedback to BMS and control HVAC locally





IOT Hub @ Kai Tak Sports Park



Smart Metering @ Transfer Station

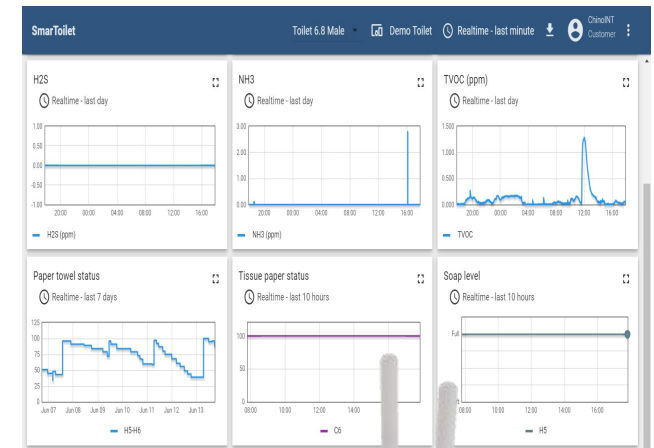
ChinoINT has show-cased our strengths in IOT technologies

We have enabled smart metering solution in Transfer Station in Hong Kong

Not only providing IOT metering with fully integrated dashboard with dashboard for real time and historical data, and also enabling real time analytic and alerts with extra values

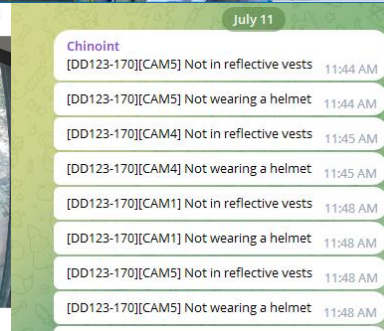
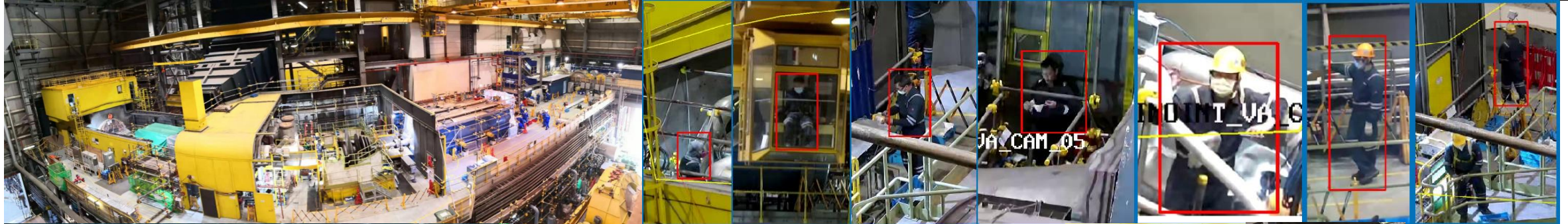


LoRaWan Meter
Battery powered
(4.5 years battery life)



Reference - SSSS

Region	Name	End user	Year of Completion
Hong Kong	SSSS - Confined Space management	CLP - Black Point Power Plant	2020
Hong Kong	SSSS - Confined Space management	CLP - Castle Peak Power Plant	2019
Hong Kong	SSSS - Confined Space management	CLP - Black Point Power Plant	2021
Hong Kong	SSSS - Confined Space management	CLP - Castle Peak Power Plant	2021
Hong Kong	SSSS - Confined Space management	CLP - Black Point Power Plant	2022
Hong Kong	SSSS - Confined Space management	CLP - Castle Peak Power Plant	2022
Hong Kong	SSSS - Turbine Work Safety Video Analytic	CLP - Black Point Power Plant	2021
Hong Kong	SSSS - Personnel management for containers during COVID	CLP - Castle Peak Power Plant	2021
Hong Kong	SSSS - 5G enabled Smart Construction Site Monitoring	Nga Ying Decoration Ltd	2023
Hong Kong	SSSS - 5G enabled Smart Construction Site Monitoring	Por Mee Factory Building	2023
Hong Kong	SSSS - UWB-enabled Collision Avoidance System for Vehicle	SUEZ - IWTS	2021



Video Analytic of SSSS - CLP



SSSS - Confined Space Management @ Power Plant & University



SSSS - Collision Avoiding System @ Transfer Station

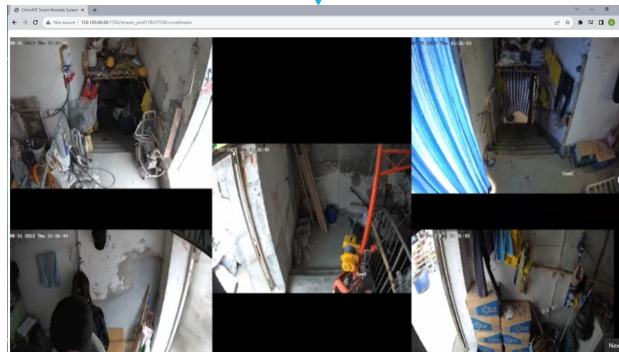
ChinoINT also masters on latest technology such as UWB to design real time monitoring system to raise safety to the next level



Rich functionality

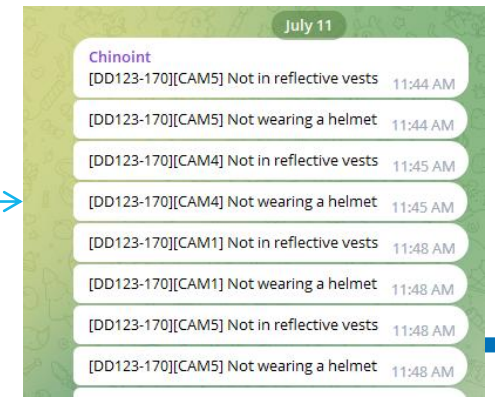
- Human face recognition
- human body recognition
- license plate recognition
- smoke and flame recognition
- helmet recognition
- phone calling recognition
- cigarette smoking
- gathering of people recognition
- work clothes recognition
- leaving work and sleeping recognition
- zone intrusion warning
- human fall recognition
- running recognition
- clothes color
- Fire escape blockage identification
- etc

SSSS - 5G AI Safety Monitoring



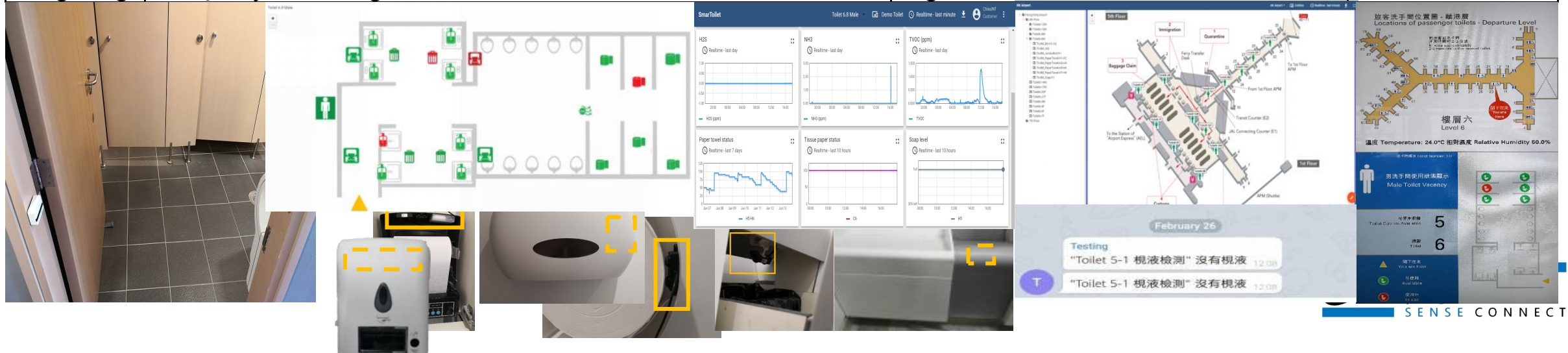
Platform alert: AI detects "not wearing a helmet" under CAM1

- Real time streaming
- APP Notification
- Evidence with photo



Reference - Smart Toilet & Air Quality

Region	Name	End user	Year of Completion
Hong Kong	SSSS - Confined Space management	CLP - Black Point Power Plant	2021
Hong Kong	SSSS - Confined Space management	CLP - Castle Peak Power Plant	2021
Hong Kong	SSSS - Confined Space management	CLP - Black Point Power Plant	2022
Hong Kong	SSSS - Confined Space management	CLP - Castle Peak Power Plant	2022
Hong Kong	Smart Toilet - LoRaWan	Hong Kong International Airport	2022
Hong Kong	Smart Facility Management - LoRaWan @ M+	ASD	2021
Hong Kong	Smart Facility Management - LoRaWan	Kadoorie Estates Limited	2020-2023
Hong Kong	Smart Toilet	Poly U	2022
Hong Kong	Smart Chiller Plant - Yau Ma Tei Public Cargo smart switchboard	EMSD	2022
Hong Kong	Smart Chiller Plant - Po Ning Road Clinic Smart Switchroom	EMSD	2022
Hong Kong	Smart Chiller Plant - Hong Kong Heritage Museum	EMSD	2023
Hong Kong	Smart Chiller Plant - Digitalisation of switchrooms at Lockhart Road MSB	EMSD	2023
Hong Kong	Smart Toilet	Advance Manufacturing Center - HKSTP	2023
Hong Kong	Smart Chiller Plant Monitoring	Poly U	2023
Hong Kong	Air Quality Monitoring	Legislation Council	2025



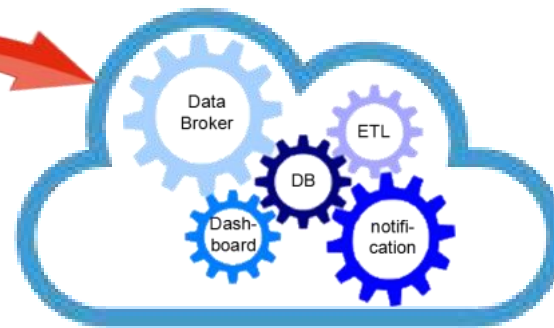
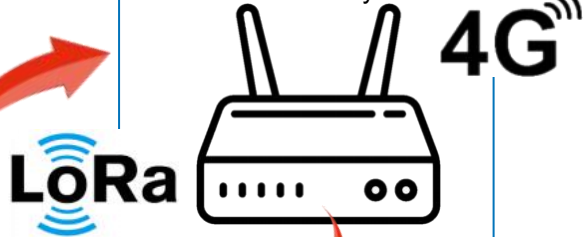
All-in-One IAQ sensor:
 °C, Humidity, H2S, NH3, TVOC, PM2.5,
 with HCHO, CO2, CO, O2, stc as options

Connection :
 RS485/LoRaWan

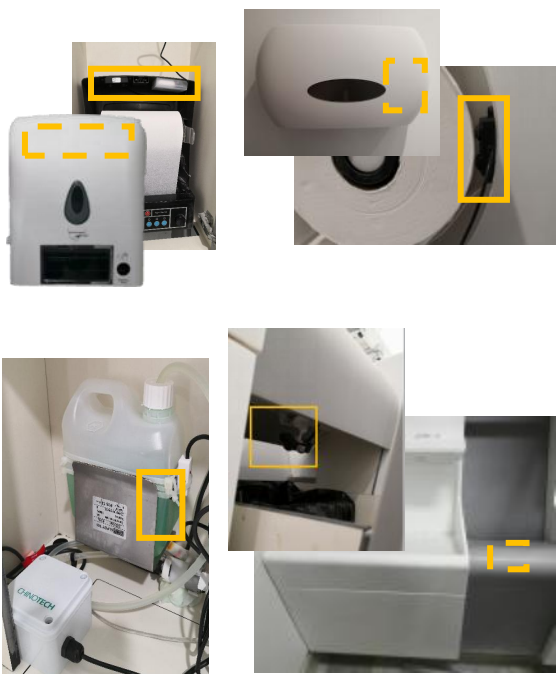


HKIA Smart Toilet over LoRaWan

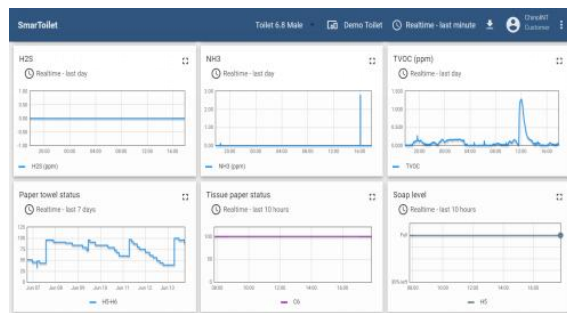
Edge computing
 LoRaWan Gateway
 with 4G connectivity



Tailor-made, fully integrated, implicit design
 LoRaWan sensors
 running on battery with long battery life
 for consumable status detection



On-site dashboard



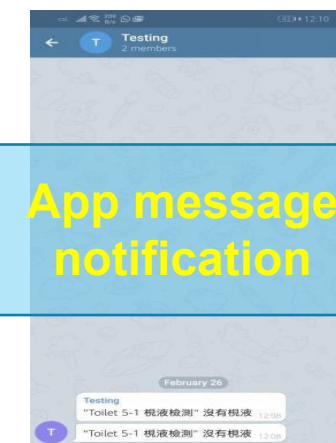
Real time alert for rubbish bin,
 consumable, air quality, etc



Benefits

- Latest long range low power wireless technology
- Tailor-made, fully integrated design to fit into existing equipment style
- Real time status for consumables, air quality
- On-demand cleaning to save > 60% of resource
- Clear dashboard for management team
- Real time notification for operation team
- Performance data for maintenance team
- Clean and neat on-site dashboard for airport users

App message notification



PolyU Smart Toilet



System Component:

- IOT Edge Computing Gateway
- Odor gas sensors
- People Counting solution
- RFID auto attendance system



Smart Toilet

Shared dashboard for real time status

Lighting Control

IAQ

Occupancy

Soap level sensor

People counting statistic for toilet usage analysis

Edge Computing
AIOT Gateway + 4G

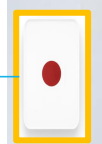
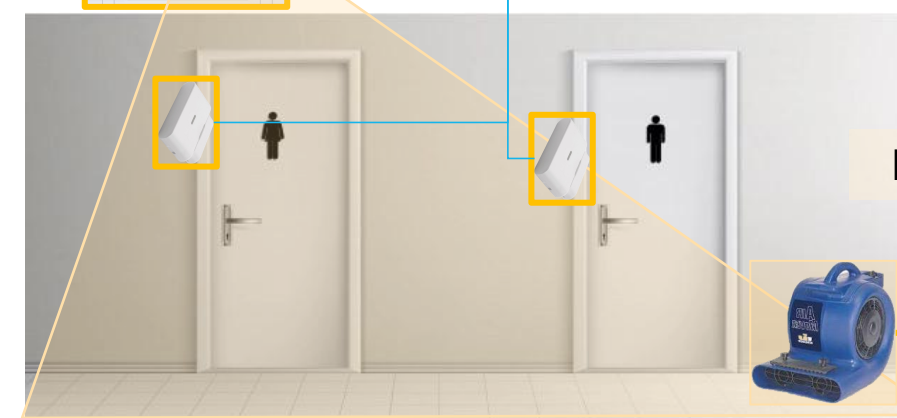
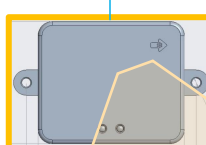
Door sensor

SOS Button

Flood sensor

Equipment Control

Rubbish bin /
Tissue sensor



Reference - Real Time Tracking & Counting

Region	Name	End user	Year of Completion
Hong Kong	SSSS - Confined Space management	CLP - Black Point Power Plant	2020
Hong Kong	SSSS - Confined Space management	CLP - Castle Peak Power Plant	2019
Hong Kong	SSSS - Confined Space management	CLP - Black Point Power Plant	2021
Hong Kong	SSSS - Confined Space management	CLP - Castle Peak Power Plant	2021
Hong Kong	SSSS - Confined Space management	CLP - Black Point Power Plant	2022
Hong Kong	SSSS - Confined Space management	CLP - Castle Peak Power Plant	2022
Hong Kong	SSSS - Turbine Work Safety Video Analytic	CLP - Black Point Power Plant	2021
Hong Kong	SSSS - Personnel management for containers during COVID	CLP - Castle Peak Power Plant	2021
Hong Kong	SSSS - 5G enabled Smart Construction Site Monitoring	Nga Ying Decoration Ltd	2023
Hong Kong	SSSS - 5G enabled Smart Construction Site Monitoring	Por Mee Factory Building	2023
Hong Kong	SSSS - UWB-enabled Collision Avoidance System for Vehicle	SUEZ - IWTS	2021
Hong Kong	Smart Facility Management - LoRaWan	Kadoorie Estates Limited	2020-2023
Macau	Smart Elderly Center - Zigbee	Vila Medalena Macau	2019
Hong Kong	Smart Toilet	Poly U	2022
Hong Kong	Smart Visitor Management - People Counting	Hong Kong U	2020
Hong Kong	Smart Toilet	Advance Manufacturing Center - HKSTP	2022
Hong Kong	Smart Warehouse Monitoring and Staff Tracking	DSV	2024

Smart Elderly Center - Macau

Indoor Location
The Indoor Location system locates patients, nurses within the coverage of the Smart Hospital system.

Anti-Wanderer
The Anti-Wanderer system alerts when specific people gets out of the Smart Hospital area. This prevents from missing patients and elderly.

Nurse Call
Whenever in need, the patients, nurses and doctor are able to get immediate help by using the Nurse Call system, together with the Indoor Location system. No false alarm!!

Fall Prevention
Some patients and elderly are not quite mobile. The Fall Prevention system protects them by alerting related personnel to offer assistance when they need to move around.

Remote Home Care
Home pension is getting traction. The Remote Home Care system allows family and nurses to learn the status and needs from the home pensions.



Reference

ChinoINT RFID Family has been deployed successfully. Our RFID devices have been integrated into the Smart Worksite solution invented by ChinoINT at a power plant in Hong Kong, to raise the worksite safety to the next level.



Reference - LoRaWan

Region	Name	End user	Year of Completion
Hong Kong	Smart Metering - LoRaWan	SUEZ - IWTS	2021
Hong Kong	Smart Toilet - LoRaWan	Hong Kong International Airport	2022
Hong Kong	Smart Toilet - LoRaWan	Poly University	2021
Hong Kong	Smart Facility Management - LoRaWan @ M+	ASD	2021
Hong Kong	Smart Facility Management - LoRaWan	Kadoorie Estates Limited	2020-2023
Hong Kong	Smart Metering	Poly U	2020
Hong Kong	Smart Facility Management - Water leakage Detection	Queensway Government Office	2022
Hong Kong	Smart Visitor Management - People Counting	Hong Kong U	2020
Hong Kong	Smart Facility Management Notification Platform	Queensway Government Office	2023
Hong Kong	Smart Chiller Plant Monitoring	EMSD	2022
Hong Kong	Smart Chiller Plant Monitoring	EMSD	2023
Hong Kong	Smart Chiller Plant Monitoring	Poly U	2023



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