Milesight

OCCUPANCY VS VACANCY

6 Occupied   **3** Vacant

Cubicle Occupancy
Cubicle Status Detection

Temperature   Humidity   H₂S   NH₃

Air Quality
Real-Time NH₃, H₂S, Temperature and Humidity Monitoring

Emergency Response
One Key Alarm

Fill-Level Condition
Remaining Amount Detection

Intuitive People Counting Report

03 VACANT

11

SMART RESTROOM SOLUTION

RESHAPE THE RESTROOM, RELEASE THE VALUE OF SMARTNESS
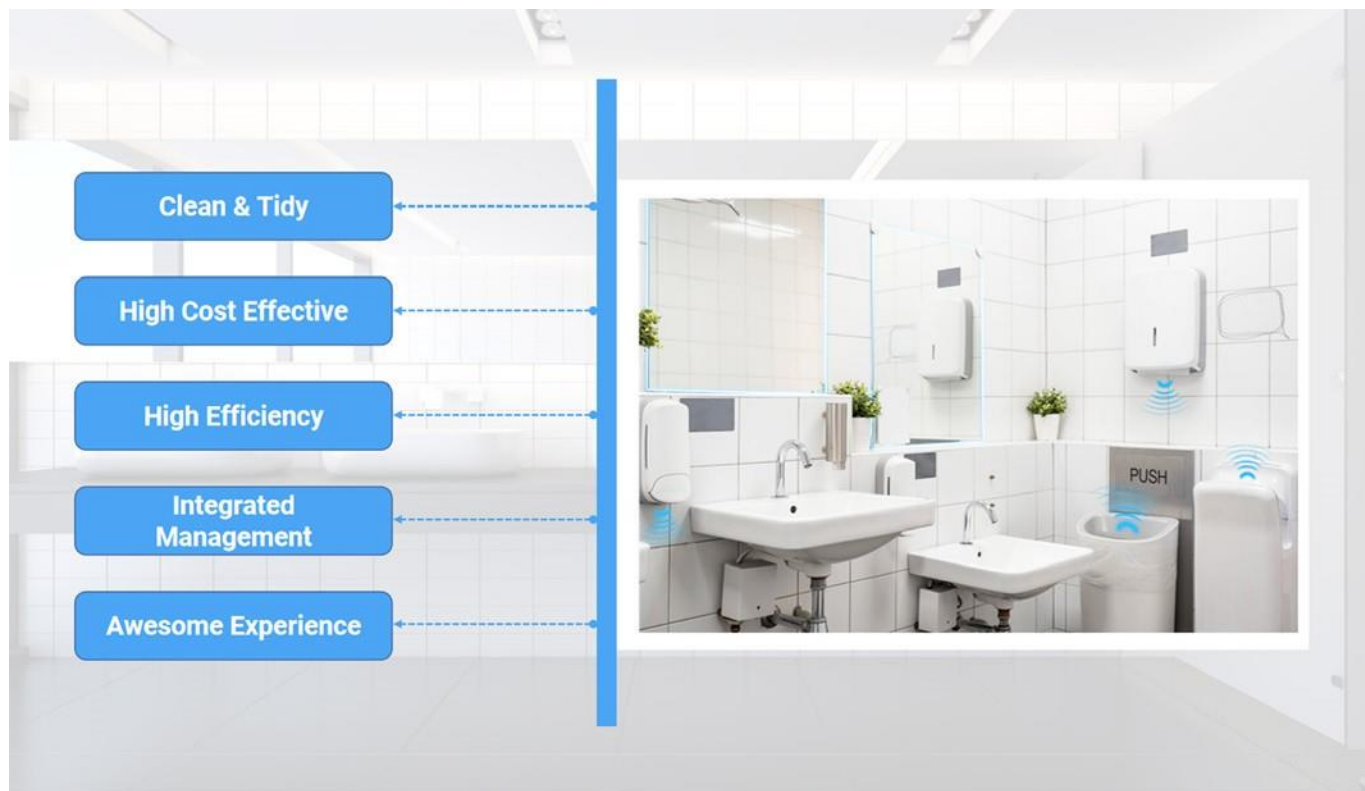
IS THIS A SMART RESTROOM

The traditional restrooms rely on manpower to manage. The limited manpower resource leaves various problems, leading to bad user experience and management.

1. Dirty & Messy
2. Low Efficiency
3. Awful Experience
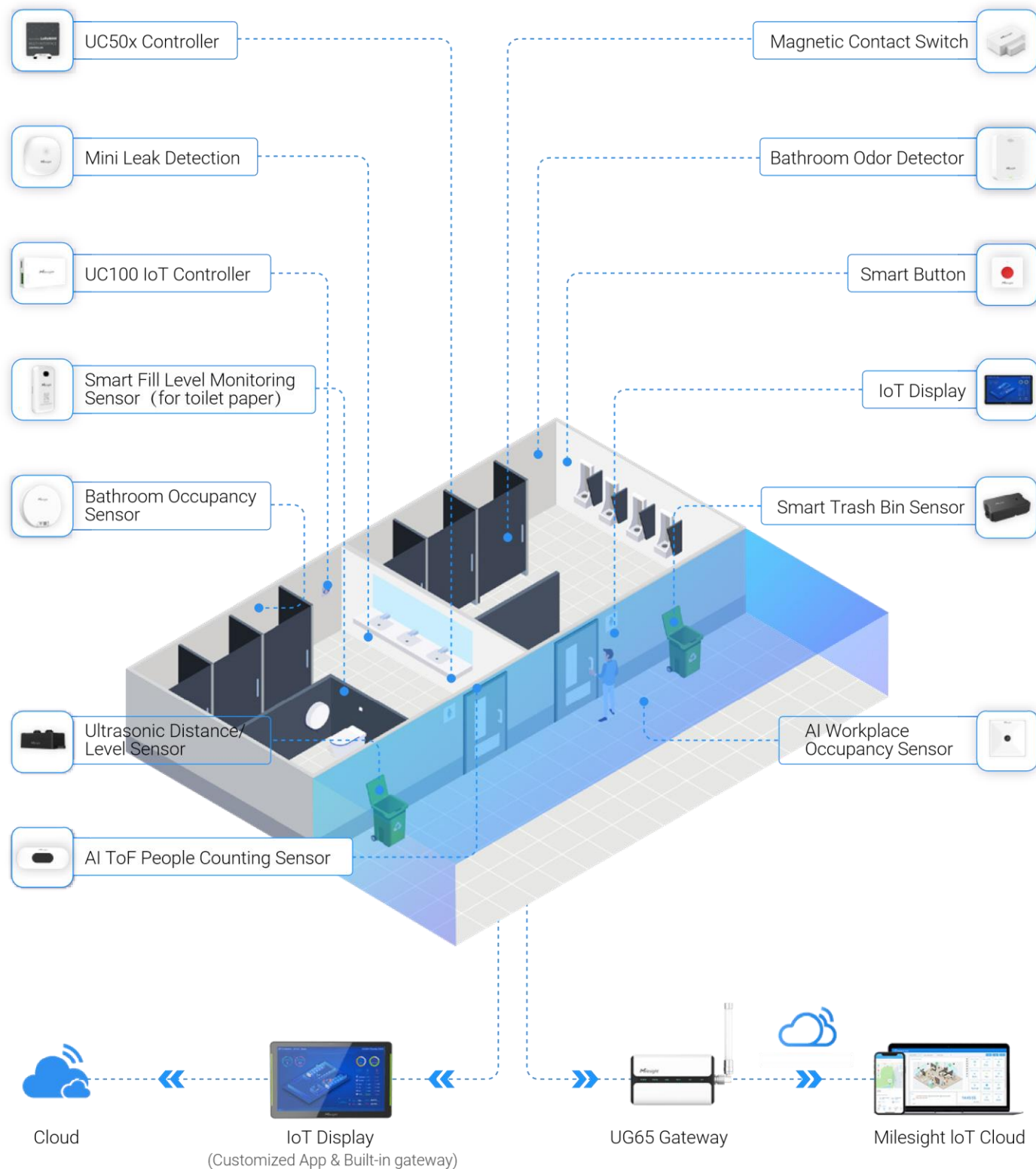4. High Cost & Waste
5. Hard Management

THIS IS A SMART RESTROOM

With Milesight Smart Restroom Solution which seamlessly integrates advanced operational and environmental sensors and IoT technologies, the restroom can be upgraded to be smart enough to break the limitations of traditional restrooms.

Clean & Tidy

High Cost Effective

High Efficiency

Integrated Management

Awesome Experience

PUSH

MILESIGHT SMART RESTROOM SOLUTION

The one-stop smart restroom solution equipped with diverse sensors and devices eliminates all troubles to build a smart modern restroom.

UC50x Controller

Mini Leak Detection

UC100 IoT Controller

Smart Fill Level Monitoring Sensor (for toilet paper)

Bathroom Occupancy Sensor

Ultrasonic Distance/ Level Sensor

AI ToF People Counting Sensor

Magnetic Contact Switch

Bathroom Odor Detector

Smart Button

IoT Display

Smart Trash Bin Sensor

AI Workplace Occupancy Sensor

Cloud

IoT Display
(Customized App & Built-in gateway)

UG65 Gateway

Milesight IoT Cloud

You Are the Decider for What Will Be Inside the Kit Finally

To bring an upgraded restrooms for great user and staff experience, Milesight designs a smart restroom starter kit to address the pain points of the traditional restrooms without a hitch. The one-stop kit is going to challenge your conventional thinking for a huge leap.

VS330	GS301	WS301	WS201
VS133	VS121	EM310-UDL	EM400-TLD
WS101	WS303	UC502	UC100
IoT DISPLAY	MILESIGHT IoT CLOUD		

VS330

BATHROOM OCCUPANCY SENSOR

"Count" Occupied And Vacant Cubicles in Real-Time

☑ Detect the Occupancy Status of Each Cubicle
☑ Tell the Real-Time Available Cubicles
☑ Better User Experience
☑ Quicker Response for Efficient Clean

Features

- Dual Technology, Maximal Possibility
- Industry-leading Accuracy exceeding 99.5%
- Compliant with GDPR & 100% Anonymous Detection
- Real-time Update & Ultra-low Power Consumption
- Artful Design with Flexible 0~75° Rotatable Angle

ToF + PIR
Rotatable Probe

GS301

BATHROOM ODOR DETECTOR

"Smell" the Restroom Air Quality

☑ Detect the Restroom Air Quality
☑ Alarming When Odors Exceed Standard
☑ Better User Experience
☑ Quicker Cleaning Response

Features

- Detect NH_3 & H_2S with Higher Accuracy
- Wireless Deployment with up to 3 Years Battery Life
- Support LoRaWAN® & Milesight D2D Simultaneously
- Built-in Buzzer & Traffic Light Indicator for Alarming

H_2S NH_3

4-6 feet

WS301

MAGNETIC CONTACT SWITCH

"Detect" the Utilization Frequency of Cubicles

- ☑ Detect the Utilization Frequency of Each Cubicle
- ☑ Date-Based Cleaning Management
- ☑ Better Resource Distribution

Features

- Fast Triggered and Report
- 100% Wire-Free & Simple Installation
- Exquisite Design with Minimal Size
- Long Battery Life of More than 4 Years
- Easy Configuration via NFC
- User-Friendly Tamper Detection

WS201

SMART FILL LEVEL MONITORING SENSOR

"Detect" the Remaining Toilet Paper

- ☑ Detect the Amount of Remaining Toilet Paper
- ☑ Better User Experience
- ☑ Better Paper Distribution

DevEUI
24E124798C448375

Features

- Accurate Detection
- Long Service Life of 2-4.5 Years
- Exquisite Design with Ultra-Mini Size
- User-Friendly Wireless Installation
- Easy Configuration via NFC

Milesight

VS133

AI TOF PEOPLE COUNTING SENSOR

"Count" People Flow Accurately and Anonymously

- ☑ Detect People Flow of the Restroom
- ☑ Obtain Long-Term Restroom Usage Model
- ☑ Better Management and Distribution

IN:+1 OUT:+1

3.5m

Features

- Unique AI Platform and Algorithm
- The Advanced Second Generation ToF
- 100% Anonymous Detection (Compliant with GDPR)
- Industry-Leading 90.5 High Accuracy
- Smart U-Turn Detection
- Great Compatibility & Versatile Interfaces
- Perfect for Various and Complicated Scenarios
- User-Friendly Management on DeviceHub

VS121

AI WORKPLACE OCCUPANCY SENSOR

"Count" Queue in Real-Time

- ☑ Detect Waiting People Outside the Restroom
- ☑ Obtain Real-Time Number of Waiting People
- ☑ Better Guidance for Users

CUSTOM

Features

- LoRaWAN® Wireless Deployment
- Up to industry-leading 98% Accuracy
- 100% Anonymous Detection (Compliant with GDPR)
- 78 ㎡ Large Detection Area
- 16 Custom Detection Regions
- Bi-Directional Line Crossing People Counting
- Milesight D2D Communication
- Easy Configuration via Wi-Fi
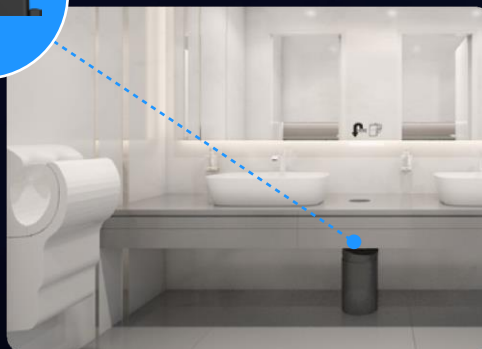
EM310 & EM400

SMART
TRASH BIN SENSORS

"Detect" the Usage Condition of Trash Bins

- ☑ Detect the Fill-Level of Trash Bins
- ☑ Advanced Clean with Alarm
- ☑ Higher Efficiency with Less Checking
- ☑ Better Users & staffs' Experience

EM310-UDL

- 3-Axis Accelerometer
- Innovative Dual Ultrasonic Sensor
- Robust IP67 Waterproof Protection
- Easy Configuration via NFC

EM400-TLD

- Accurate Distance & Temperature Detection
- Almost No Blind Spot with Advanced ToF
- Long Service Life of over 3 Years
- Sense Spontaneous Combustion

WS101

SOS SMART BUTTON

"Ask for" Help with Just A Press

☑ Press It When There Is Any Emergency
☑ Instant Alert to Trigger Rescue

Features

- Up to 15 km Communication Range
- Easy Configuration via NFC
- Compact Design, Easy to Install or Carry
- Built-in LED Indicator and Buzzer

WS303

MINI LEAK DETECTION

"Ask for" Repair When Leakage Occurs

☑ Alarm When There Is Water Leakage
☑ Realize Faster and Efficient Repair

Features

- Wire-Free with Long Transmission
- Compact Design with High Sensitivity
- Long Battery Life of up to 4 Years
- Robust IP67 Waterproof Protection
- Unique Milesight D2D Communication

UC502

MILESIGHT
IOT CONTROLLER

RS232/RS485/GPIO/Analog Input

☑ Bridge Wired Meters to LoRaWAN® Network
☑ Collect Power & Water Consumption Remotely

FEATURING **LoRaWAN**®
MULTI-INTERFACE
CONTROLLER

Features

- Built-in Multiple Industrial Interfaces
- LoRa Downlink - Remote Configuring
- Easy Configuration via NFC
- Robust IP67 Waterproof Protection
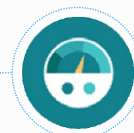- Up to 10 Years Battery Life

Pulse Counter

Simple acquisition of metering data via LoRaWAN®

Gas Meter   Water Meter   Flow Meter

UC100

MILESIGHT
IOT CONTROLLER

RS485 · Milesight D2D & LoRaWAN®

☑ Bridge Modbus RS485 to LoRaWAN® Network
☑ Connect Devices to Realize Local Smart Control

Features

- Modbus RS485 to LoRaWAN® Converter
- Data Collection Up to 16 Registers
- Local & Remote Easy Configuration
- Milesight D2D Controller & Agent

IoT DISPLAY

Display the Status of The Restroom

DS7610

Tap into Smart IoT Solution

- Built-in LoRaWAN® Gateway
- Robust Features for Secondary Development
- 10.1 Inch Capacitive Touch Screen
- End Nodes Status Display and Control

Support Third-Party Android Applications

- 3D Display of the Restroom
- Users Feedback System & Attendance Systems
- More Flexibility - Customized Android App

MILESIGHT ЬT CLOUD

"Display & Organize" the Status of the Restroom

Dashboard
Show all smart elements of the restroom with widgets

My Devices
Add Milesight sensors, controllers and gateways

Map
Provide all devices' location information of the restroom

Triggers
Realize device interaction and automate your workflow

Reports
Daily, weekly or monthly reports can be sent to acquire more insights

Event Center
Present alarm report, trigger log and reporting records of different periods

Sharing Center
Share devices with different levels of permission and transfer devices' ownership effortlessly

Me
Personal Center
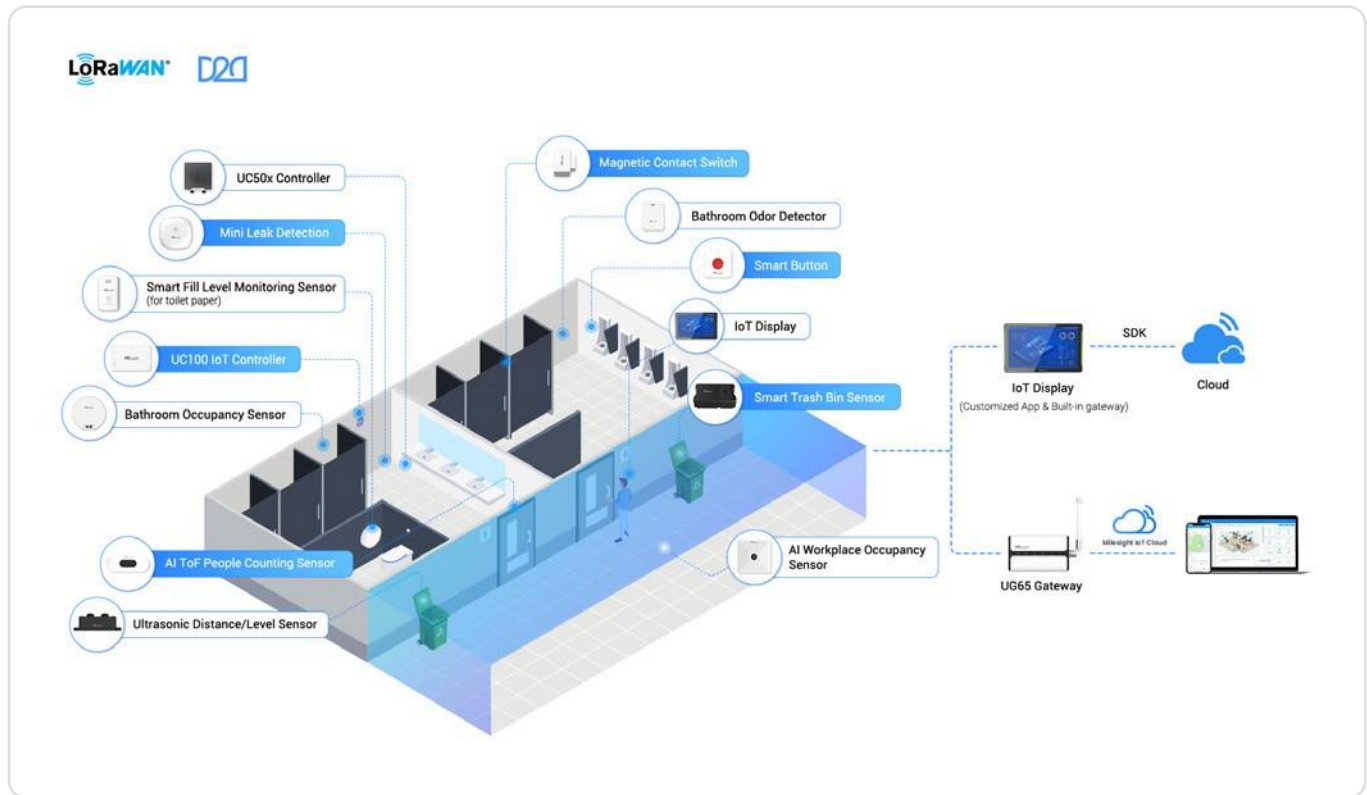
LORAWAN® POWERED SOLUTION

Wireless Deployment

Long Battery Life

Deep Indoor Penetration

License Free Spectrum

Ultra Low Power Consumption

LoRaWAN®

Ultra Long Range

Gurantee Privacy

Private and Public Deployment

Firmware Updates Over the Air

End-to-end Security

HIGHLIGHT OF MILESIGHT RESTROOM SOLUTION

Save Energy & Resources

Integrated management

Real-time Monitoring

Reasonable Distribution

Data Visualized

Wireless End-to-end soultion

Predictable Cleaning

LoRaWAN®

Smart Control

Daily/Weekly/Monthly Report

Instant Alert

APPLICATION SCENARIOS

With great compatibility, it can also be integrated with third-party devices and platforms to realize wider and more comprehensive applications.

Milesight Smart Restroom Solution

Shopping Mall

Office Building

Library

Amusement Park

Places of Interest

Train Station

University

More...