

SMART RESTROOM SOLUTION

RESHAPE THE RESTROOM, RELEASE THE VALUE OF SMARTNESS

IS THIS A SMART RESTROOM

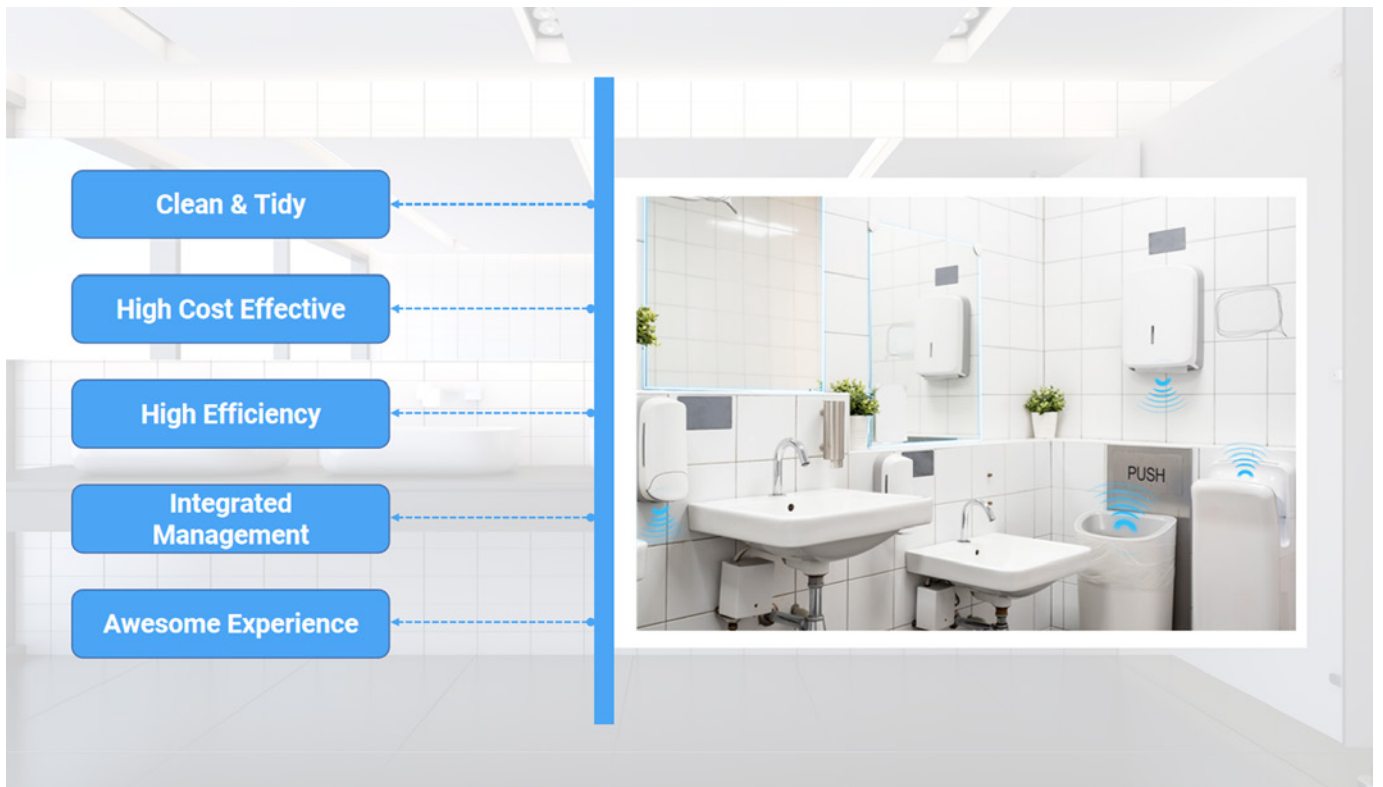
The traditional restrooms rely on manpower to manage. The limited manpower resource leaves various problems, leading to bad user experience and management.



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

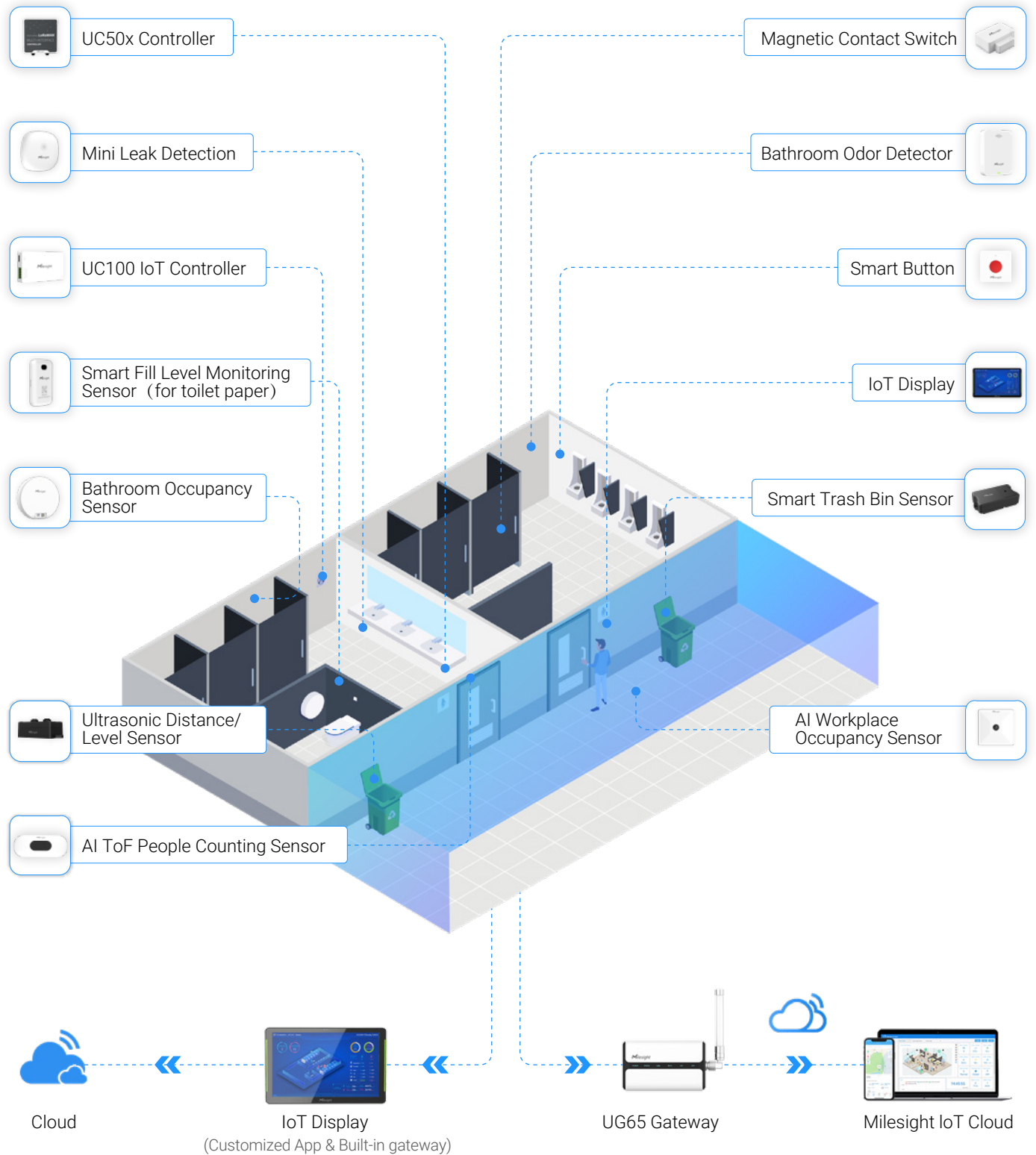
THIS IS A SMART RESTROOM

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.



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.





SMART RESTROOM KIT

Upgrade Restrooms at One Go

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



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 NH₃ & H₂S 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



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



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



VS133



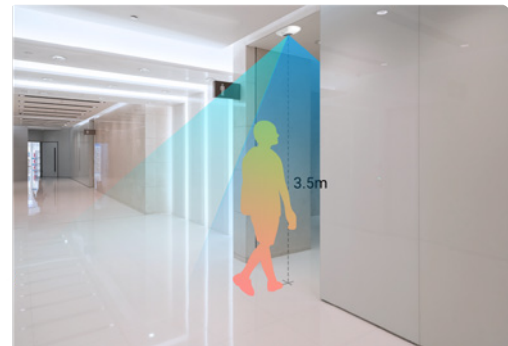
AI TOF PEOPLE COUNTING SENSOR

“Count” People Flow Accurately and Anonymously

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

Features

- Unique AI Platform and Algorithm
- The Advanced Second Generation ToF
- 100% Anonymous Detection (Compliant with GDPR)
- Industry-Leading 99.5 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

Features

- LoRaWAN® Wireless Deployment
- Up to industry-leading 98% Accuracy
- 100% Anonymous Detection (Compliant with GDPR)
- 78m² 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

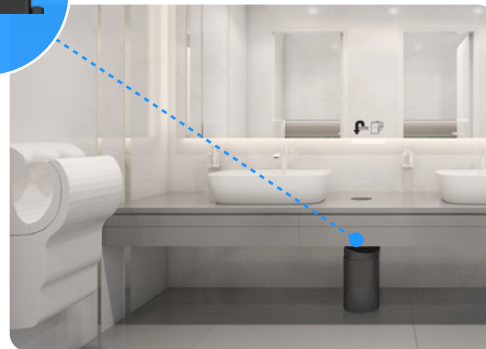
“Detect” the Usage Condition of Trash Bins

- ✓ 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

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

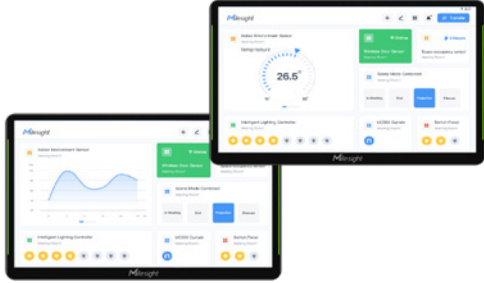
- Modbus RS485 to LoRaWAN® Converter
- Data Collection Up to 16 Registers
- Local & Remote Easy Configuration
- Milesight D2D Controller & Agent



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 IoT 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

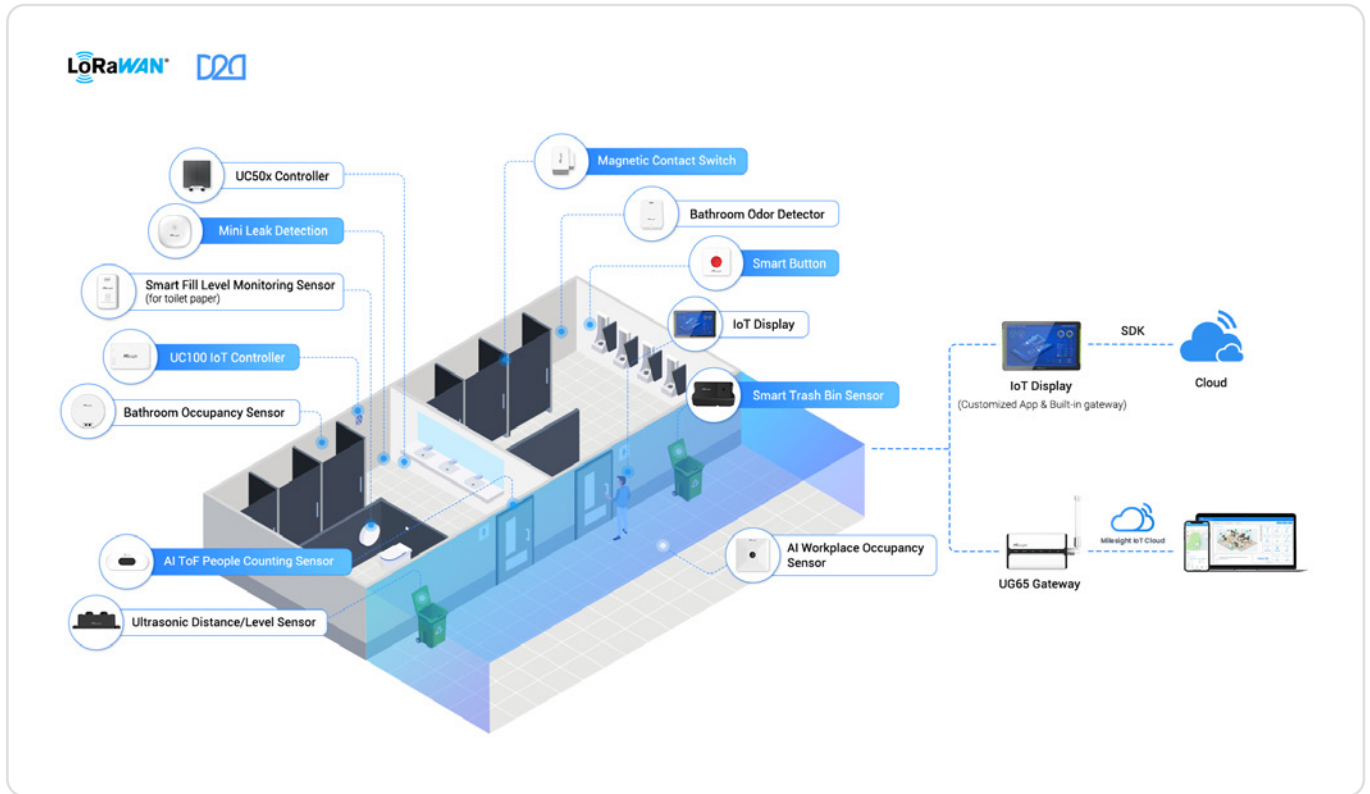


HIGHLIGHT OF MILESIGHT RESTROOM SOLUTION

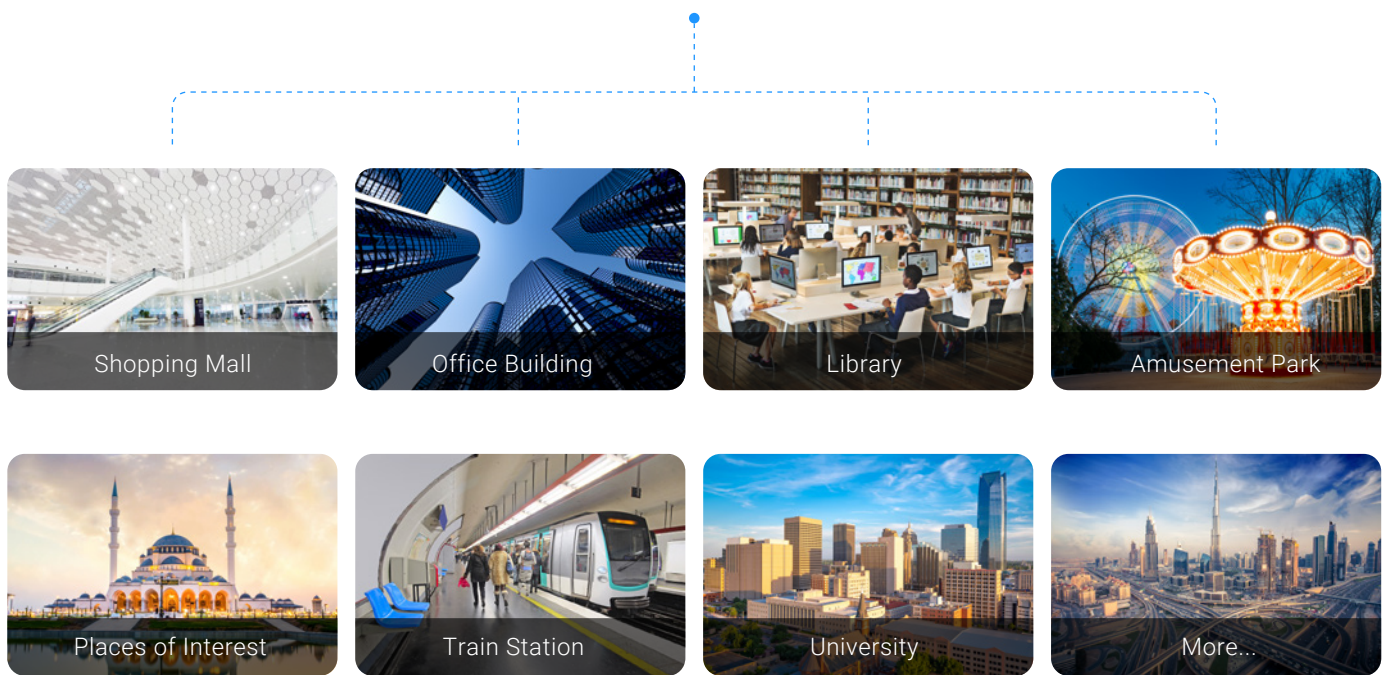


APPLICATION SCENARIOS

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



Milsight Smart Restroom Solution



Better Inside, More in Sight

