



Make Sensing Matter 

MILESIGHT IOT 2024

IoT Product Provider

MILESIGHT

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Successful Cases in Versatile
Industries and Regions

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01

MILESIGHT PROFILE

- About Milesight
- Milesight Milestone
- Milesight Capabilities & Strengths

ABOUT MILESIGHT

Milesight offers multi-potential sensing products that accurately capture the most relevant and significant data for a growing variety of needs and applications. Across AI, 5G, IoT, and other forward-thinking technologies, we innovatively extend the technological potential to unique niches and scenarios. With a keen perception of data value, we prioritize adaptive agility to quickly respond to customer-specific challenges and deliver safety, efficiency, and business insights. In collaboration with a diverse partner ecosystem, we are committed to realizing data value and making real and positive impacts in the fields of smart building, intelligent traffic, intelligent security, smart city, and beyond.



SENSING

Sensing

IoT Product Provider



600+

Employees



2000+

Distributors and
System Integrator Partners



120+

Serves to 120+
Countries and Regions



74.76%

Compound Annual
Growth Rate



2

2 Product Lines: Video
Surveillance and IoT



REMARKABLE GROWTH JOURNEY

• 2011

Establishment

- Milesight headquarters was founded
- Started from video surveillance industry

Building a Solid Foundation

- Built Milesight IoT brand for IoT industry
- Introduced LoRaWAN® technology
- Introduced 4G Cellular Router

• 2012-2017

• 2018-2020

Fast Growing

- Joined LoRa Alliance to dive into IoT ecosystem
- Sharply increased brand awareness

Break Limitation

- Introduced Milesight new brand identity
- Further explored frontiers of IoT and sensing landing

• 2021-2022

• 2023-2025

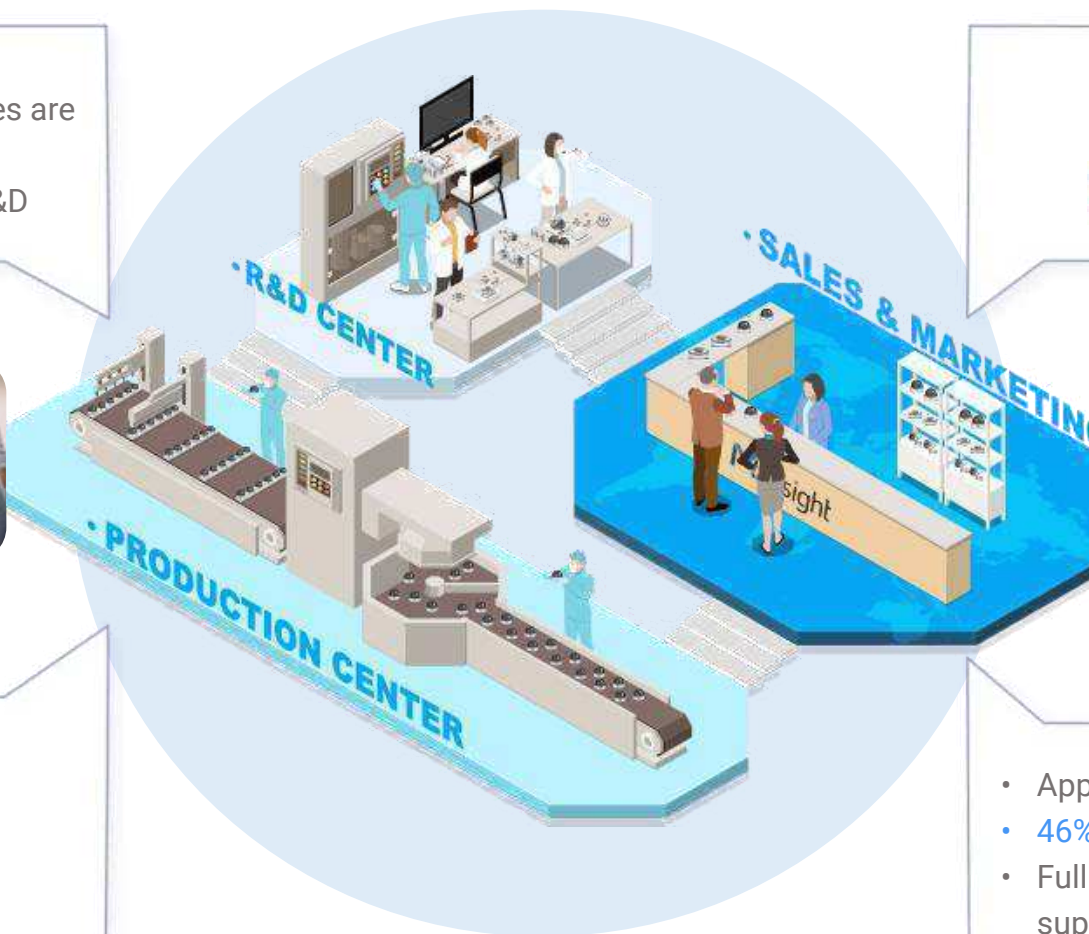
Strategy Upgrade

- Specific vertical fields of smart building, city, and Agriculture
- Occupancy & People Counting Series for more targeted industries

MILESIGHT CAPABILITY & STRENGTH

R&D

- More than **50%** of Milesight Employees are R&D Engineers
- **15%** of sales revenue invested into R&D



Sales & Marketing

- Approaching **120+** countries
- **46% Growth Rate** in 2023
- Full technical/promotion/marketing support

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02

MILESIGHT STRENGTHS

Reasons to Partner with Milesight

- Extensive Product Portfolio
- Worldwide Coverage
- Increasing Brand Awareness
- Better and Reliable Channel Management

EXTENSIVE PRODUCT PORTFOLIO



Smart Security

AIoT Video Surveillance Solution



Smart IoT

Interconnected IoT Solution



Economies of Scale
Synergies for More Offerings
Increased Market Share
Growth in New Markets



EXTENSIVE PRODUCT PORTFOLIO

Milesight

Digital Sensing



Sensing Nodes

Connectivity



LoRaWAN® Gateway



4G/5G Industrial Routers



5G Super-Speed Suite

Interaction



IoT Display



Visualized Data on IAQ Sensor

Application



Smart Building



Smart City



Smart Agriculture

WORLDWIDE COVERAGE



Deployed Projects



Smart Building

- Milesight Headquarter, China
- Johor Bahru, Johor, Malaysia
- Health Centers & Clinics, Spain
- Schools in Quebec, Canada
- Commercial Building in Ontario, Canada



Smart City

- Sewers in Cordoba, Spain
- Chorinsky-Klaus, Austria
- Rail Freight Transport, Italy
- Etlik City Hospital, Turkey



Smart Agriculture

- Greenhouse, America
- Farmlands in the Victoria, Australia
- Farmland in Ningxia, China

INCREASING BRAND AWARENESS

Milesight keeps increasing its brand awareness and adapting to every demand from global market. We now have provided services over 120 countries and regions, creating a wide spectrum of complete solutions including smart building, smart city, smart agriculture, etc.



Global Event Presence

30+ Events Annually



Awards

Distinguished Service Award by LoRa Alliance



Sales Reach

120+ Countries and Regions in the World

IOT SOLUTIONS
WORLD CONGRESS

intersec

CommunicAsia

Smart Buildings
EXPO

embeddedworld
Evolution & Convergence

IoT IMPACT
POWERED BY 5G & IOT PLUS

THE SECURITY EVENT

ISC WEST

IOT TECH EXPO
NEXT-GEN SOLUTIONS

THE THINGS CONFERENCE

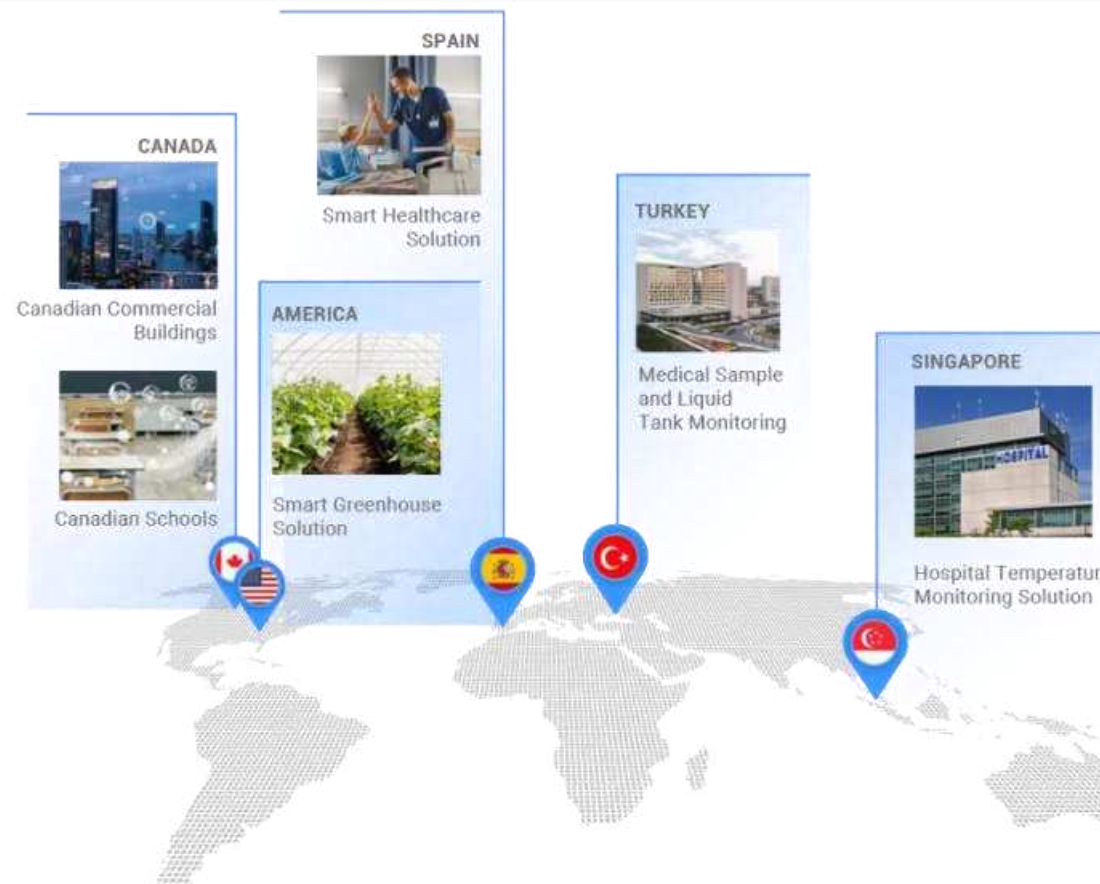
LoRaWAN LIVE
SAN FRANCISCO, USA
OCTOBER 11-13, 2022

NRF PROTECT

SECURITY SHOW

Build Asia 2023

IC7 SOLUTION OPEN



Thriving Business Ecosystem

In a remarkably short span of time, Milesight has fostered close collaborations with ecosystem partners. By participating in **over 30 industry exhibitions annually**, such as IOTSWC and IFMA World Workplace, we have significantly enhanced our visibility and reputation. These events not only boost our brand recognition but also strengthen our influence within the industry. Our active engagement showcases our commitment to fostering a vibrant ecosystem and driving innovation, solidifying Milesight's position as a leader in the industry.



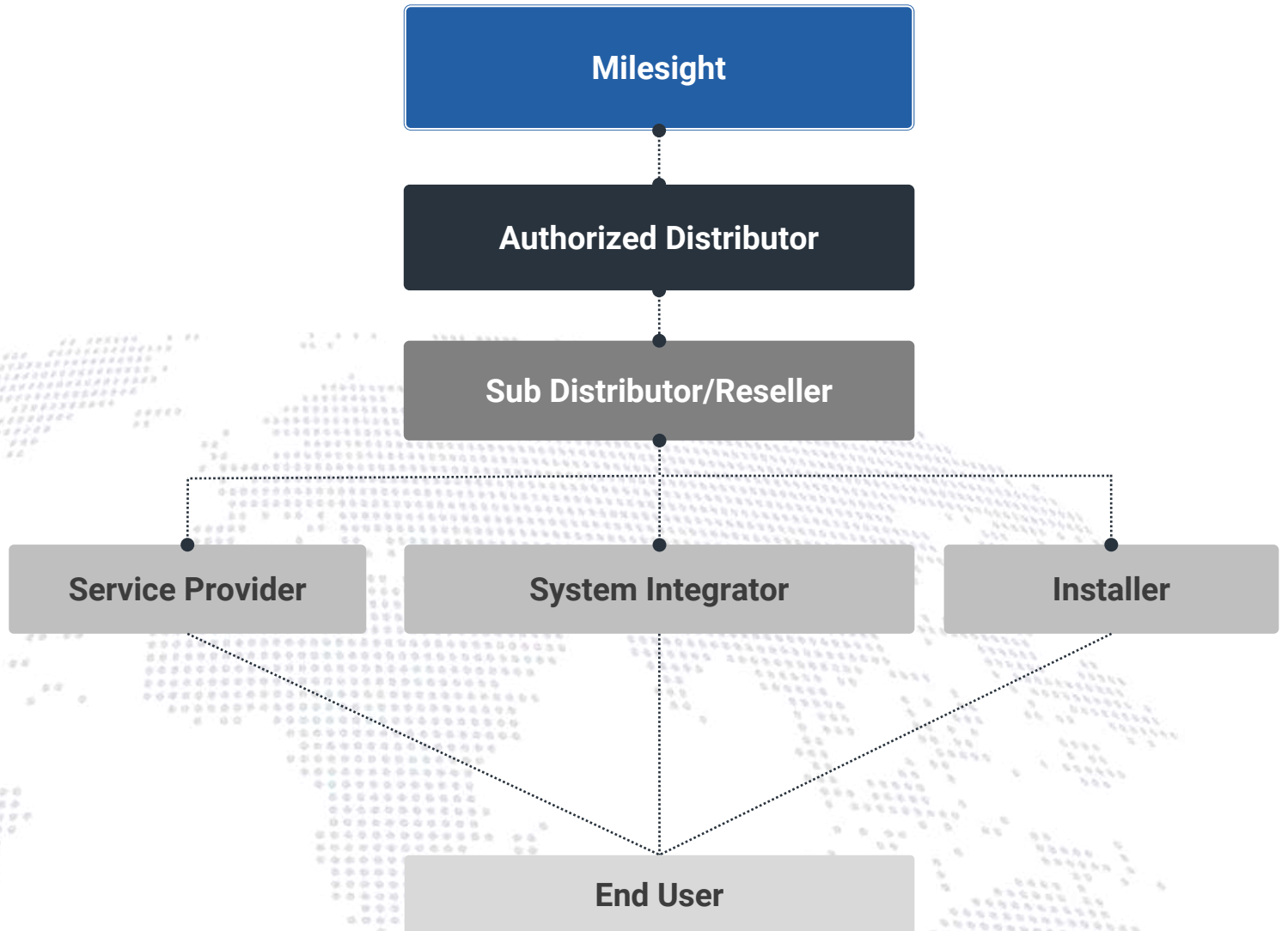
BETTER AND RELIABLE CHANNEL MANAGEMENT

At Milesight, we **respect the channels**. We also have strict control on online selling. We believe a healthier and value-added distribution network plus with a **rigid price control system** would guarantee reasonable margin for partners of each level.

Project Protection:

Milesight will protect customers at every aspects to guarantee their rights and smooth operation on the projects.

A healthier and value-added distribution network



03

MILESIGHT PRODUCTS

Rich Product Lineups for Your Needs

- LoRaWAN® Sensor
- LoRaWAN® & Cellular Controller
- LoRaWAN® IoT Display
- LoRaWAN® Gateway
- Industrial Cellular Router
- 5G Series
- Software & Platform
- Starter Kits

RICH PRODUCT LINEUP



Sensing Nodes



Indoor Air Quality



Occupancy & People Counting



Temp.&Humi. Detection



Energy Efficiency Control & Monitoring



Environmental Sensing



Distance Detection



Water Leak Detection



LoRa® Controllers



IoT Weather Station

Connection



LoRaWAN® Gateway



Industrial Cellular Routers



5G Suit

Vertical Industries



Smart Building



Smart Retail



Smart Agriculture



Smart City



Cold Chain & Logistic



Smart Industry



Milesight IoT Cloud



DeviceHub



MilesightVPN



Milesight Development Platform

INDOOR AIR QUALITY SENSOR

Milesight

AM Series



Detection Objects



Temperature



Humidity



CO₂



TVOC



Barometric Pressure



PIR



Light



PM2.5 & PM10



HCHO



O₃

✓ Highlights

- **Low Costs** & Future Proof
- Low Power Consumption with **Long Service Life**
- Traffic Light Status Indicator
- **Light/Dark Display Mode** & Emoticon Indication
- Anti-theft Protection
- Data Storage, Retrieval and Retransmission
- Easy Configuration Via NFC

✓ Typical Applications



Hospital



School



Office



Museum

OCCUPANCY & PEOPLE COUNTING SENSOR



VS Series

Space Occupancy

- Seat & Desk Occupancy
- Cubicle & Area Occupancy

People Counting

- Line-Cross & Regional People Counting
- Various Height and Field of View



Highlights

- Flexible Wired&Wireless Deployment
- 99.8% Accuracy & 100% Anonymous
- Up to 15m High Ceiling Mounting

People Caring

- Fall Detection, Emergency Monitoring



Retail Store



Building



Meeting Room



Nursing Home

Milesight

Advanced Features

- Dwell Time Detection
- Multi-Device Stitching
- Attribution Recognition
- Adults/Children Differentiation
- Staff Detection
- Group Counting
- Heat Map



PEOPLE SENSING PRODUCT OVERVIEW



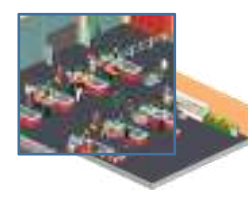
VS13x AI ToF People Counting Sensor

Perform traffic statistics and conversion rate analysis to help develop **store rental strategy** and **store layout strategy**.



VS126 Ultra High-Mount People Counter

Ultra high mounting height reaching 15m for specific applications such as airports, supermarkets.



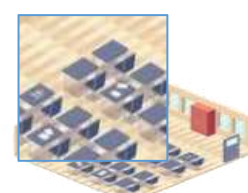
VS34x Desk & Seat Occupancy Sensor

Measure **seat&desk occupancy** in the **dining room** and displaying available seats on TV screens for easy desk finding.



VS330 Cubicle Occupancy Sensor

Real-time usage of **each cubicle in bathroom** for cleaning schedule.



VS373 LoRaWAN® Fall Detector

Detecting **falls** and **dwell time** is mainly used in the **elderly care** and **medical industries**



VS360 IR Breakbeam People Counter

Working in pairs, the **entry and exit at the entrance** can be intelligently identified and calculated.



VS125 Series AI Stereo Vision People Counter

Accurate people counting and **rich attributes recognition** to facilitate retail management even with **large FoV** and **outdoor** applications.



VS121 AI Workplace Occupancy Sensor

Monitor the **queuing situation** and **statistical time** to make decisions and improve the queuing efficiency of supermarket.



VS321 Wireless AI Occupancy Sensor

Battery-powered AI wireless occupancy sensor for regional people counting and multiple workstations occupancy detection



VS351 Mini AI Thermopile People Counter

Unlock the wireless solution of entrance people counting and enabling targeted management.



VS350 Passage People Counter

Used in **indoor aisles, corridors or entrances and exits** for conversion analysis of traffic.



VS370 Radar Human Presence Sensor

Space occupancy detection for **larger spaces**, high precision, and no privacy or security issues



COWORK SENSOR

WS Series

Milesight

Explore the Potential of Workplace

> Better Use of Workplace

By efficiently managing workplaces, enabling employees to find available meeting rooms, and other resources easily.

> Reduce Cost

Help organizations reduce costs by simplifying processes, reducing energy consumption, and minimizing wastage.

> Boost Productivity

Improves employee productivity by providing them with a more comfortable and efficient work environment.



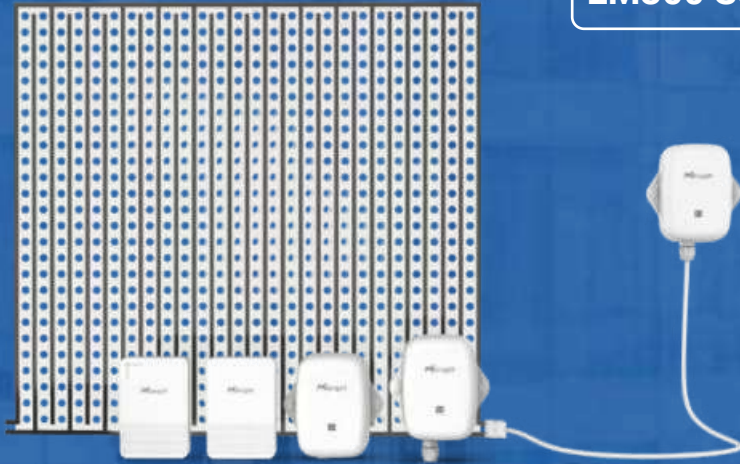
> Smart Office

- Smart Button
- Smart Scene Panel
- Fill Level Monitoring
- PIR & Light Sensing
- Motion & TH Sensing
- Light Control
- Magnetic Contact Switch
- Sound Level Sensing
- Leak Detection
- Wall Switch
- Wall Socket
- Portable Socket

ENVIRONMENTAL MONITORING SENSOR



EM300 Series



Magnetic Contact



Leakage



Temperature & Humidity



Tilt



Distance



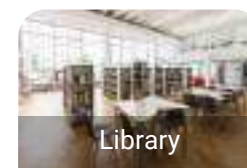
Pulse Counter

ENVIRONMENT MONITORING

✓ Common Features

- IP67 Rated Waterproof
- Easy Configuration via NFC
- Wider Measuring Range
- High Accuracy
- Battery Life up to 5/10 years (Except EM320-TILT)
- Data Storage, Retrieval and Retransmission

✓ Typical Applications



Library



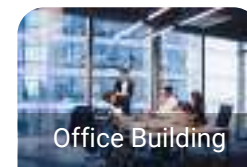
IT Server Room



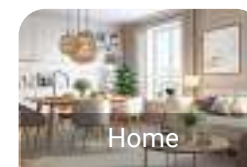
Meter Reading



Agricultural Irrigation



Office Building



Home



Waste Management



Parking Management

DISTANCE/LEVEL SENSOR

EM400 Series

Milesight

ToF Laser Distance Sensor

EM400-TLD



- **2 - 350cm** Detection Range with **Ultra-Small Blind Spots**
- Pre-set **Bin Mode** and **Standard Mode**
- Particularly for **Small Trash Containers**



Multifunctional Ultrasonic Distance Sensor

EM400-MUD



- **3 - 450cm** Detection Range with **Small Blind Spot**
- Pre-set **Bin Mode, Parking Lot Mode,** and **Standard Mode**
- Particularly for **Medium or Large Trash Containers Or Parking**



Ultrasonic Distance Sensor

EM400-UDL



- Available in Three Versions: **Standard, Pro** and **Snow Level Versions**
- Particularly for **Flood Monitoring, Tank Monitoring, Snow Level Monitoring** and etc.

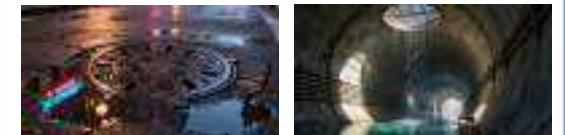


Radar Distance Sensor

EM41x-RDL



- Use Millimeter-wave Radar Technology Realizing up to **12m** Measurement Range, 60GHz, and **8°**
- **IP68 & 7 Years** Long Battery Life
- Particularly for **Sewers, Water Channel/Pool Level Measurement, And Liquid Storage Tank Measurement**



Common Features

- Up to IP68 Rating
- Battery Life up to 10 Years
- 3-in-1 Sensor for Fill Level, Device Position, and Combustion Monitoring

★ **EM400 SERIES**
Distance Sensor (LoRaWAN® & NB-IoT/Cat-M)

ENVIRONMENT MONITORING SENSOR

EM500 Series

Milesight

> Outdoor Environment Monitoring Sensor EM500 Series

LoRaWAN®



> Common Features

- IP65/67 and UV Resistance for Harsh Environment
- LoRaWAN® Wireless Deployment with Low Power Consumption
- Up to **10 Years** Battery Life for Easy Maintenance
- Easy Configuration Via NFC

> Typical Application



Smart Industrial



Smart Agriculture



Forest Fire Prevention



Flood Monitoring

- Light
- Industrial Temperature
- Carbon Dioxide
- Pipe Pressure
- Distance/Level
- Submersible Water Level
- Soil Moisture, Temperature and Electrical Conductivity

TEMPERATURE & HUMIDITY SENSOR

TS Series

Milesight

The TS series temperature and humidity sensors offer a variety of probe types and measurement ranges, including insertion-type temperature sensor, cost-effective temperature sensor high-accuracy models. They are designed to meet different requirements such as storage and cold chain transportation.

Food Grade • EN12830 Standard • 21 CFR Part 11B • HACCP • IP67 • Long Battery Life • More...

LoRaWAN®

TS101

Insertion temperature
monitoring with high
accuracy and integrity



40cm

- Contact Detection With PnP Probe
- IP67 & IK10 & Anti-corrosion



LoRaWAN®

TS201

Cost-effective temperature monitoring
with DS18B20 or SHT41TH temperature
probes.

- Certified for EN12830 Standard
- IP67 & Up to 3-year Battery Life



LoRaWAN®

TS30x

Accurate temperature monitoring
with LCD Display

- Meet HACCP & 21 CFR Part 11B Requirements, Certified for EN12830 Standard
- Various Probes Available



CAT-1

TS60x

Real-time cold chain transportation
Data record, which is also reusable

- Cargo Door Open Detection
- IP67 Rating & Built-in Light / Temperature & Humidity / Vibration Sensors



LoRaWAN® Bathroom Odor Detector GS301

01

> Typical Application

- Restroom



> Stay Informed of Foul Air, Keep Your Bathroom Clean

- **4 Sensors in 1** (Humidity & Temperature & NH₃ & H₂S)
- NH₃: ±5% Accuracy
- H₂S: ±5% Accuracy
- Milesight D2D Communication
- Battery Life up to **3 Years**

LoRaWAN® Vape Detector GS601

02

> Typical Application

- Toilet/Bathroom



> Detect the Vape Smoke, Suitable for privacy-sensitive spaces

- **Versatile Detecting Parameters**
(Vape Index, PM1.0, PM2.5, PM10, TVOC, Temperature and Humidity)
- Rich threshold alarms
- Internal vibration sensor to **prevent vandalism**
- **Customizable Buzzer for Alarm**
- Support **customizing buzzer's working/sleep time**
- High endurance of environmental situations for **high accuracy**
- Support **flame alarming** for security concerns
- **Zero invasion of user privacy**, no camera, no microphone, no recording

SMART CURRENT TRANSFORMER

CT Series

Milesight

Highlights

- Self-Powered Operation
- Non-invasive Installation
- Multi-Range Current Capacity from 100A to 1000A
- Detachable and Cable-Free (CT10x) / Innovative One-to-Three Design (CT3xx)



ENERGY MONITORING FOR EFFICIENCY



Collect & Caculate & Report Current

- Collected parameters: Effective current value
- Sampling frequency: 3.3 kHz
- Calculated parameters: **cumulative ampere-hour value (Ah)**
- Reported content: current + cumulative ampere-hour value



Alarm for abnormal current status

SMART HVAC MANAGMENT THERMOSTATS

WT Series

WT101 Smart Radiator Valve



By monitoring the room temperature, the WT101 and WT102 (coming soon) automatically adjusts the hot water amount entering the connected radiator.

WT201 Smart Thermostat



WT201 is a LoRaWAN®-based thermostat to manage the HVAC system including **air conditioners, heat pumps, boilers, RTU, and PTAC** devices.

WT30x Smart Thermostat



The WT30x is an advanced wireless touch screen room thermostat with an e-ink screen, both designed to oversee fan and valve operation in **AC applications of Fan Coil system.**

WT401 Wireless Smart Thermostat



Wireless thermostat with a user-friendly operation panel that can integrate with different HVAC controlling module **including the product suite of WT401+WT101 and WT401+UC711 (coming soon)**, to cover different HVAC systems.

IOT WEATHER STATION

WTS Series

Milesight

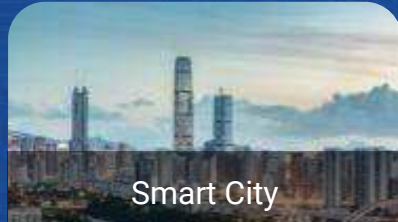
Highlight

- Accurate & Professional
- **Solar Powered**
- Weeklong Battery Life Without Sunlight via **Chargeable Batteries Backup**
- Full Set for Easy Deployment
- Well-designed for Easy Installation
- Data Storage, Retrieval and Retransmission

Typical Application



Smart Agriculture



Smart City



Flood Alarming



National Weather Service

LoRaWAN®



All-in-One IoT Weather Station



Precipitation
*Optional
for Premium



Temperature



Humidity



Wind
Direction



Barometric
Pressure



Wind
Speed

IOT DISPLAY SERIES

IoT Display

LoRaWAN®

Milesight

Rich Applications Scenarios

> Offices

- Library
- Laboratory
- Hospital
- Retail Stores
- Warehouses



Going Paperless for More Efficient and Sustainable Operations



> IoT E-ink Display DS3604

- Clearer Display with Black & White & Red Color
- 4.2-Inch E-ink Screen
- Support **Pre-customized Display Mode**
- Multi-Functional Button
- Battery Life Up to **2 Years**
- Open API and a LoRaWAN® Button Enable
- Various Applications
- Support Local and Remote Control for Bulk Deployment

OUTDOOR ASSET TRACKER

AT Series

Milesight



Milesight AT101 is an exceptional outdoor tracker that combines GNSS and Wi-Fi AP MAC Address Scanning technologies to deliver highly accurate positioning data. It is equipped with tilt and temperature sensors, enabling extensive data collection and versatile application in various scenarios.

- **Made for High Accuracy Positioning**
 - GPS, GLONASS, Galileo and Beidou Positioning Systems Are Used Simultaneously
 - Support Wi-Fi AP MAC Address Scanning
 - Wi-Fi Scanning Provides Assistance for Positioning in Places with Poor GNSS Signals
- **Three Work Modes: [Motion Mode](#) / [Timing Mode](#) / [Periodic Mode](#)**
- **High Protection of Asset with [Geofencing](#)**
- **[IP67](#) Rated for Harsh Environment**
- **[IK09](#) Rated Transceiver for Impact Resistance**
- **Data Storage([1000 sets](#)), retransmission and retrievability**



Warehouse



Golf Cart



Patrol Cars in Community



Livestock Farming



Constructional Bins



Construction Site



[Geofencing](#)



[Historical trajectory](#)

LORAWAN® & 4G CONTROLLER

01

LoRaWAN® IoT Controller



UC100

- Modbus RS485 to LoRaWAN® Converter
- **Cost-Effective** & Super-Tiny Size
- Customizable **Trigger Commands** up to 16
- Remote & Local Configuration
- Milesight D2D Communication

03

LoRaWAN® Multi-Interface Controller



UC50x

- **Rich Interfaces:** RS232/RS485/GPIO/Analog input
- IP67 and UV Resistance Enclosure with M12 Connectors
- **Solar Powered** and **Built-In Batteries** (optional)
- Easy Configuration via NFC or USB Type-C

02

LoRaWAN®/4G IoT Controller



UC300

- **Rich Interfaces:** DI/DO/AI/RS232/RS485/PT100 RTD Input
- Customizable **Trigger Commands** up to 16
- **Autonomous Operation** when the Network is Unavailable
- Industrial-Grade Design
- Milesight D2D Communication (LoRaWAN®)

04

LoRaWAN® Solenoid Valve Controller



UC51x

- **Time and Flow Control** via Milesight IoT Cloud
- 2 x Outputs for Connecting DC Latching Solenoid Valve; 2 x GPIO Interfaces for Flow Monitoring
- **Solar Powered** and **Built-in Batteries** (optional)
- Easy Configuration via NFC or USB Type-C

LORAWAN® GATEWAY



Mini Gateway UG63 Ideal for Covering Blind Spots

- IP30 & Mini Size for Flexible Installation
- Massive Connectivity



Industrial Gateway UG56 Ideal for Indoor Industrial Scenarios

- IP 30 & Industrial-Grade Design
- Complementary with UG65



Semi-Industrial Gateway UG65 ideal for most general-purpose scenarios

- IP65 and UV Resistance
- NXP Quad-Core Processor
- Stay Connected via Ethernet, Cellular, and Wi-Fi

Outdoor Gateway UG67 Ideal for Networking in Large Areas & Outdoor Scenarios

- IP67 and UV Resistance
- 64-bit Quad-Core Processor
- Built-in Supercapacitor



Ultra Low Power LoRaWAN® Solar Power SG50

- Built-in Rechargeable Batteries & Accessorial Solar Panel
- Support Cellular for Backhaul Network
- Easy & Simple Deployment even in Remote Regions



Common Features

- New-generation SX1302 Chip
- Support up to **2000** End-Devices
- Embedded Network Server
- Compatible with Mainstream Networks Including **TTN, Actility, ChirpStack, AWS**, etc.
- Global LoRaWAN® Frequency Plans
- **Multiple Backhaul Connectivities** (Except UG63)
- Listen Before Talk (**LBT**)
- Noise Analyzer, Multicast, Gateway Fleet
- **Flexible Installation** and Better Signal Coverage
- BACnet & Modbus Supported

EG71 Building IoT Gateway



- Integrated LoRaWAN® network server
- Programmable and support local BMS operation
- Support mainstream BMS protocols including BACnet/IP, Modbus RTU/TCP, KNX, and M-Bus

INDUSTRIAL CELLULAR ROUTER

Rugged Metal Casing

-40°C to +70°C Operating Temp (Except UR41)

Rich Industrial Interfaces

Automated Failover

DeviceHub Remote Management

MilesightVPN Remote Secure Access



Mini Series UR41/UR41L

Compact as the palm, powerful as a giant

- **Smart Working Modes** for Ultra-low Power Consumption
 - Multiple Interfaces
- ① GNSS ② 1 x Ethernet port ③ 1 x RS232/RS485, 1 x DI, 1 x DO



Lite Series UR32L

Highly Cost-Effective with Main Router Function

- 2 x 10/100 Mbps Ethernet Interfaces for Reliable Network
- **PoE-PSE** for Less Wire Connection Option
- **Support DLMS Protocol**



Pro Series UR32 & UR35

Beyond Standard Industrial Grade

- Support Secondary Development with Python SDK & API
 - Multiple Interfaces
- ① 4 x PoE PSE Ethernet ports ② Wi-Fi & GPS
③ 1 x RS232, 1 x RS485, 1 x DI, 1 x DO
④ FXS port for telephone communication
- Dual SIM Backup
 - **Support DLMS Protocol**



5G SERIES

Milesight

Common Features

- Industrial-Grade Design for Harsh Environment
- Ultra-Fast 5G Connectivity with SA & NSA Modes (Except Camera)
- High Bandwidth · Low Latency · High Capacity
- Flexible Installation Ways for Easy Deployment
- Support DeviceHub Remote Management (Except Camera)



UF31 5G Dongle

- **Plug & Play Networking**
- **Palm-Sized Design** for Any Limited Space



UF51 5G CPE

- **IP67 Waterproof** and UV Resistance
- **Dual Band Wi-Fi 6**
- MilesightVPN Remote Secure Access



UR75 5G Industrial Router

- Strong **Wi-Fi 6** Performance
- MilesightVPN Remote Secure Access
- Advanced **OpenCPU** System
- **Rich Industrial Interfaces**
 - Gigabit Ethernet ports
 - RS232, RS485, DI/O
 - Wi-Fi/Cellular/GPS/USB Port



5G AIoT Camera

- **Built-in LoRaWAN® Gateway & Network Server**
- Communicate with LoRaWAN® Nodes
- AI Video Analytic, Face Detection, People Counting via **AI Deep Learning**
- Superior Image Quality

01

Milesight Field Tester



FT101

➤ Functionality

- Real-time testing
- Support **GPS** location (for outside)
- Support **LoRaWAN®** configuration
- Support saving and naming test results (csv file)
- Battery Life: **8h** (active testing)/ **7 days**(standby)



02

Sensor Configuration Tool



SCT01

➤ Functionality

- Simplify the NFC reading process
- **Batch configuration**
- Quick device update
- making it easy for users without any technical background

03

Uninterruptible Power Supply



UPS01

➤ Functionality

- High capacity up to 12000mAh serving connectivity needs for the terminal devices up to 32 hours.
- Resilient power supply to ensure seamless data transmission

SOFTWARE & PLATFORM

Unlock the key to one-stop IoT solution, covering device connectivity, remote management, data analysis, and decision-making.



Milesight IoT Cloud

Milesight IoT Cloud offers vertical integration with **LoRaWAN® nodes**, providing an intuitive **dashboard** for remote asset monitoring and control.



DeviceHub

Milesight DeviceHub is a **remote management platform** to easily deploy Milesight devices on a large scale, particularly **routers & gateways**.



MilesightVPN

MilesightVPN is a **web-based platform** that enables secure communication with remote devices through always-on VPN connections.



Milesight Development Platform

From device deployment and management to custom integration and application development, Milesight helps you get your project off the ground.

BIG IOT PROJECTS SMALL ALL-IN-ONE DEMO KITS

Unboxing Your Next Level LoRaWAN® Adventure



Enjoy the Best



Reduce
Time & Cost



Easy Integration
with BMS



Cover Everything
from Buildings to
Agricultures



LoRaWAN®

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04

SUCCESS STORIES

- Successful Cases Worldwide in Different Industries

62%

SAVING \$45,000 PER YEAR IN MILESIGHT'S SMART GREEN BUILDING



Background

As a leading Internet of Things technology company, Milesight has left an indelible mark on numerous businesses by empowering them with its cutting-edge products and solutions.



Highlights

- **Boost Energy Efficiency and Sustainability:** Achieve Up to 45% on Energy Saving per Year;
- **Enhance Employee Comfort and Satisfaction:** Employee Satisfaction Increased by 83%;
- **Improve Water Efficiency:** Water Theft Prevention and Outdoor Irrigation Water Usage Decreased by 13%;
- **Revolutionizing Space Utilization:** Increased Meeting Room Occupancy Rates by 62% Daily.

47,000 IAQ SENSORS CREATE SAFER CLASSROOMS IN CANADA



Public schools in Quebec, Canada

> Background

To curb the spread of COVID-19 and protect students and faculties' safety, the Ministère de l'Éducation du Québec in Canada decides to adopt an IoT solution that is able to monitor temperature, humidity and the level of CO₂ in over 90,000 classrooms.

> Highlights

- Safeguard of Back-to-School Plan: Deployed 47,000 CO₂ sensors in classrooms to automatically detect, collect data and indicate indoor air quality;
- Competitive Solution: Total 5 lots in the public tender, in which Milesight has become the winner of the 2 lots, i.e. more than half of the sensors are supplied by Milesight



\$250,000 HAVE BEEN SAVED FROM ENERGY-EFFICIENCY BUILDINGS WITH 4,400 MILESIGHT SENSORS



Background

For buildings, there's a large desire for the efficient operation and management.



Highlights

- **Wider Area Coverage:** Just 5 units of gateways are enough to support a high building with 19 floors;
- **Lower Power Consumption:** Battery health dropped 3% only within one year, no maintenance cost rose;
- **Wireless Deployment:** Installation is simple and does not require access to existing infrastructure making it ideal for both new and retrofit buildings.

Smart Healthcare Project for Aged Care Facilities in Australia

Background

To fulfill compliance requirements, retirement villages need a solution to monitor the temperature in their medicine fridges smartly other than sending someone on-site.

> Where it happened?

New South Wales, Queensland, Victoria, and Canberra in Australia; Project Timeline:

- ① Stage1: Mar.-2021 - Oct. 2021
- ② Stage2: Oct. 2021 - Apr. 2022
- ③ Stage3: Apr. 2022 - Oct. 2022

> What was the challenge?

Recording Interval

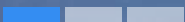
- Customers can only manually monitor the fridges every 8 hours due to short of staff;

Real-Time Alerts

- The existing paper-based recording solution neither produces remote reporting nor generates real-time alerts.



New South Wales,
Queensland, Victoria,
and Canberra in Australia;



THE SMART ISLANDS PROJECT IN RAROTONGA - COOK ISLANDS, NEW ZEALAND



Background

The Cook Islands, renowned for its stunning coastal areas and lush mountains, has become a popular tourist destination. The tourism sector has played a significant role in the country's economic growth over the past decade.



Highlights

- **Enhancing Efficiency and Performance:** The system maintains optimal pressure levels throughout the network, ensuring smooth water flow;
- **Actionable Insights and Analytics:** It offers actionable insights and analytics to optimize the performance of the water distribution system;
- **Guarantee of Clean and Safe Water:** The system guarantees the delivery of clean and safe water for everyday needs.

Real-Time Flood Monitoring System in Austria



> Location

- Weißenbach Valley, Austria
- Chorinsky-Klause Dam



> Background

- A real-time flood monitoring system keeps watch on water and precipitation levels that helps to monitor flood conditions in Austria.



> What was the challenge?

Limited network coverage in the project area

- There is meagrer network coverage and a shortage of electricity supply in the project area.
- It is pricey to set up a thorough wired network solution in remote places and often requires a long period time to complete.

Time & Labor Consuming

- Chorinsky-Klause is located in a remote valley with only a small dilapidated road leading to it.
- It was a relatively tough job for staff to check frequently.

Remote Monitoring of Rail Freight Transport in Italy

Background

The rail freight transport company wants to keep track of the locomotives wherever they are and to access the machinery status and operations online.



Where it happened?

- Udine, Italy
- Rail freight transport industry



What was the challenge?

Stability System

Optimize the flow of data without overloading the system and convey only strategic information.

Not An All-in-One Solution

Different vendors have their own advantages, it's hard to work them together for a solution.

AUTOMATION OF SMART GREENHOUSES THROUGH LORAWAN®



Background

With the help of the agriculture starter kit, Milesight addresses the challenges of environmental monitoring and system automation inside of sawtooth greenhouses and fully utilizes that data to improve operations and drive overall business success.



Highlights

- **Non-invasive Solution:** The battery-powered sensors can be added or moved anytime anywhere with no worries about cable and electricity;
- **Minimum Human Interference:** The plants are kept at optimum temperature, humidity, light, and soil moisture levels with little or no input from the user.



Improvement of Watering Systems for Sustainable Agriculture



> Background

Farmers always want to improve water-use efficiency and minimize water losses.



> Where it happened?

- A big farmland in Australia
- Irrigated agriculture field size: 540 hectares – divided into 15 x 36 hectare bays



> What was the challenge?

High Expenses

Water, time, money and resources are wasted with manually operated irrigation systems;

Unreachable Connectivity

M2M connectivity has always been an issue for regional and rural areas.

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iot.sales@milesight.com



+86 18950109004



www.milesight.com



Building C09, Software Park Phase III
Xiamen, Fujian 361008 China