

Smart Space & Management

Nanjing WinShine Network Technology Co.,Ltd.



WinShine, Smart space and facility management solution provider based on low-power sensors.



01 Partner







Smart Space & Management



Unified Platform



- PC Console
- IoT Device Management APP
- Application applets

Multiple Businesses



Guest Appointment Space Reservation





















Smart Assets







IoT Device Management





System Management







Project Management

Create and edit projects

One account supports multiple projects

Role Management

Multiple Roles

Different roles with different permissions





Space Information Management

People for different roles

People Management

Create space according to different business formats

Including a perfect space hierarchy





Occupancy A Gateway sensors Room Room Workstation Workstation/ Toilet seat Toilet seat door lock (light energy) (millimeter wave) Rooms **Connects different types of devices** Environmental TEMP&HUM CO, CO2, TVOC, HCHO, PM Illumination Noise Sensors MFS: TEMP、HUM、PM、CO2、 200 TVOC, HCHO, Noise, Illumination, and and Occupancy Smoking monitoring enocean Counting Alarm One-way/Double-side counting Wireless Magnet Contact Water Leak Actuator Aruba AP+EnOcean Dongle Switch Llight Motor Multi-circuit VRV 123 key LN Smart Socket Wireless Switch switch 16/83@ Others PAD Smartt Watch Positioning signage Converter Repeater

IoT Device Management



EnOcean - Powered by Energy Harvesting

- The EnOcean Wireless Standard(ISO/IEC 14543-3-1X)is geared to wireless sensors with ultra-low power consumption and energy harvesting to draw energy from their surroundings –e.g. from motion, lightor temperature differences.
- This principle enables maintenance-free electronic control systems.
- The EnOcean Wireless Standard in sub1GHz is optimized for use in buildings, as a radio range of 30m indoors is possible.



BATTERYLESS – Inevitable for Professional Installations

Batteries are cheap, replacing them is not €25 /sensor typical, if all system batteries are replaced

10 min/sensor (labour access/replace/test/documentation, service margin)

€260 if a single battery has to be replaced Typical Office Building: 10,000 sensors = 1 man-year (10 min/sensor, 223 working days * 8h)

Batteries cause environmental harm and create safety risk



Smart Workstation

02







Smart Workstation





Occupancy Sensor

No wiring required, small size (57mm*57mm*39.5mm), ultra low power consumption;

Built-in replaceable battery, service life of about

3 years, low maintenance costs;

The position can be flexibly adjusted according

to the office layout.

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Smart Workstation

Reserved Workstation Power Supply

- The user reserves a workstation on the App, and uses the App to scan the QR code on the station to check the identity reservation information during the appointment time. After the verification is passed, the workstation socket automatically supplies power;
- When the appointment time is over and the sensor detects that the workstation is unoccupied, the station socket automatically powers off, saving energy and avoiding non-reservation.





Work station label: black and white e-ink screen, easy to install







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Smart Meeting Room



Count the number of people in and out and analyze the number of meeting room users.

Meeting room reservation door sign, meeting sign-in.

One-click conference scenes.

Environmental autoregulation.

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EVOLUTION

When the window is opened, the air conditioner is automatically adjusted to save energy.

Automatically release the conference room when no one is there.



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Support Reservation



Smart Meeting Room



Meeting Room Reservation







Smart Meeting Room



Meeting Room Reservation Display





Red light is occupied



Green light is not occupied

- Red and green indicators on both sides of the screen to visually display the current occupancy status.
- The screen displays current meeting information, environmental information, meeting reservation information, etc.



Smart Restroom





Space Comfort Management







Smart Cleaning













Positioning terminals



Proactive call triggered work orders

Developing cleaning schedules and recording their completion. Immediate receipt and completion of trigger cleaning. Data analysis to evaluate work plans and adjust staffing schedules.

Project Case: Office Space









Project Case: Library





Temperature and humidity Sensor

Installed in bookshelves to monitor the book storage environment.



Temperature humidity &CO2 concentration Sensor

Installed in the reading area, the data is used to control the air conditioning and fresh air system.



Air Quality Sensor

Installed in public areas to monitor the air quality of the library.



Occupancy sensor

Monitoring of library restroom occupancy.





Automatic control of fragrance sprayers and deodorizing machine according to odors.

Project Case: Shopping Mall

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Self-powered Door Lock Sensor

Detect whether the toilet is occupied

Sensor data sent to the platform via the gateway. Guidance screen synchronizes data from the platform.

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Guidance screens serve as a guide and diversion. The number of uses accumulated by the sensor can generate on-demand cleaning work orders.



Project Case: Hospital





- Make a plan.
- Record the completion and time.
- > Provide guidance on work plan adjustment and staff training.



The people evaluation function calculates the distribution of the time spent to complete the planned work.



The plan evaluation function calculates the comparison between the actual completion and the plan, which is convenient for managers to adjust the plan according to the actual situation.



Project Case: Office Building



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Personalized Service



Independently deployed software services, different projects can be managed separately, equipped with a dedicated IoT management APP customized with different styles of data screen.





On-demand employee client.



Low-power sensors and actuators can be customized on demand to best fit the scenario and connect to a unified protocol gateway.





