

Smart Restrooms vs. Conventional Restrooms: Why IoT Technologies and Products Are Urgently Needed for Upgrading



Xiamen, Fujian Jun 19, 2023 ([Issuewire.com](https://www.issuewire.com)) - Even though the pandemic has already faded from the world around, hygiene is still a critical demand closely bounding up with people from all walks of life. Restrooms as an indispensable infrastructure that values hygiene play a vital role, especially in public areas such as shopping malls, department stores, airports, railway stations, commercial buildings, and scenic spots. With the development of living standards and technologies, the demerits of conventional restrooms have been increasingly emerging. Both usage and management are facing challenges and urgently needed to be upgraded. The [Milesight Smart Restroom solution](#) will undoubtedly keep up with demands with sensing technologies and even drive restroom performance to a new level.

What Problems A Conventional Restroom Is Facing

A conventional restroom is a basic facility that typically includes standard fixtures such as cubicles, sinks, ventilating systems, etc. It is typically designed for basic functionality rather than featuring the latest technologies to bring a better user experience and advanced functionalities. Most public restrooms have a rather bad reputation when it comes to user experience and hygiene. Since most restrooms rely on limited manpower to do management and cleaning, it is hard to realize high efficiency and will leave various problems beyond doubt.

- For User Experience:

Unclear occupancy conditions that may cause troubles especially when in a hurry;

The restrooms are full of smell odors that do not be handled in time;

Be trapped in a bad environment with leakage

Be trapped in a bad environment with overflowing garbage;

Be in the awkward situation with no toilet paper left on the box;

- For Management

High labor cost with low efficiency;

Scattered information with no integrated and effective information networking formed;

The resource can not be reasonably allocated;

The cleaning can be arranged efficiently and reasonably;

Unclear to fill level monitoring and supply arrangement;

Bad using environments with overmuch complaints;

Energy wasting and inefficient management;

Why Smart Restroom Solution Is Needed

The one-stop Smart Restroom Solution equipped with diverse sensors and devices eliminates all troubles to build a smart modern restroom. It can help to achieve a clean, fully functional, manageable, and safe restroom with a great user experience. Collaborating with third-party platforms, [Milesight Smart Restroom Solution](#) is ready to bring all for a second-to-none smart restroom.

- Fill level monitoring. The fill level can be detected accurately by Milesight Smart Fill Level Monitoring Sensor [WS201](#) to avoid the likelihood of discomfort experiences of no toilet paper, premature refills, and waste of human resources.
- Odour elimination. Detecting odors like H₂S and NH₃ through Milesight Bathroom Odor Detector [GS301](#) allows efficient and timely personnel allocating to erase odors. It can also collaborate with the ventilation system by building a connection via IoT Controller to automatically eliminate odors to guarantee high air quality in an energy-saving way.
- Occupancy mastery. Gain great user experiences by acquiring real-time occupancy information via Bathroom Occupancy Sensor [VS330](#) to get easy access to vacant cubicles, and accumulate to build long-running data for highly-efficient management.
- Smart trash bin monitoring. Detecting trash bin level to avoid overflow and realize data-driven cleaning.
- Emergency alarm. With Milesight Smart Button [WS101](#), users can push the alarm with just one press
- Leakage detection. The administrative staff can find leakage immediately and take responses with the help of Milesight Mini Leak Detection Sensor [WS303](#).
- [Smart display](#). With integrated information displayed, users can have a visual view of the restroom conditions.
- Devices collaboration. The devices like HVAC systems can be connected to play a smart

performance role with controllers to release their maximum values.

- Metering management. Monitoring metering in real time to improve energy utilization and energy saving.

How We Benefit from Smart Restrooms

Smart restroom solution seamlessly integrates advanced operational and environmental sensors and IoT technologies to break the limitations of conventional restrooms. It intelligently replaces the sensory systems of manpower to convert what is supposed to be “detected”, “smelled”, “touched”, “connected” and “told” into visible and easy-to-get information, realizing real-time monitoring and quick response. Taking full advantage of the advancement of sensors and technologies, it keeps hygiene at high quality and realizes reasonable and efficient resource allocation of both human resources and material supply. What’s more, it is going to lead the restroom to a new era of automation.

- Data-Driven Management Restroom

The space utilization of cubicles, fill levels, waste management and people flow can be all converted into digital data to form a directional information network. The information will effectively generate a positive impact in improving restroom performance like precisely data-driven cleaning and personnel & recourse assignments and improving hygiene more smartly.

- Sustainable Smart Restroom

Sustainable development is an eternal concern and topic for people worldwide. Value-added devices like ToF laser Distance sensors and IoT Controllers enable more reasonable and highly efficient usage of restrooms to make it both value-added and energy-saving.

- Automatic Smart Restroom

Intelligence will greatly release manpower management stress and improve efficiency. The collaboration between sensors and devices can make reactions through preset performances like ventilating according to odor, people flow, and so on. Cleaners no longer have to manage it while it still performs well.

Check the [Milesight Smart Restroom Solution](#) to solve all your concerns and upgrade restrooms.

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