

SANITARY & HYGIENE MONITORING SOLUTION WITH FULLSUN

Overdrive IoT developed a Smart Sanitary & Hygiene & Task Management Solution that improves cleaner-to-toilet ratio, enhances toilet resource allocation, and creates a cleaner and more comfortable space for everyone.



The Challenge

Fullsun has been exploring Intelligent Hygiene Management Solutions to keep up with the sanitation demands of the market but was faced with various challenges such as:

1 Difficulty in integrating multiple sensors

Since most Smart Hygiene platforms were sold separately, integration of sensors can be tricky and tedious due to the time needed to conduct tests and ensure device compatibility.

2 The inconvenience of managing multiple platforms

Different software or hardware providers use different platforms and connectivity which means data were viewed and generated from multiple dashboards.

This caused more problems for Fullsun as data was disorganized and took longer to acquire.

3 Hassle in deployment with incurring costs

Most of the IoT sensors uses long-range (LoRa) wireless technology which can be troublesome during deployment since it's not battery operated and incurs subscription charges in the long run.

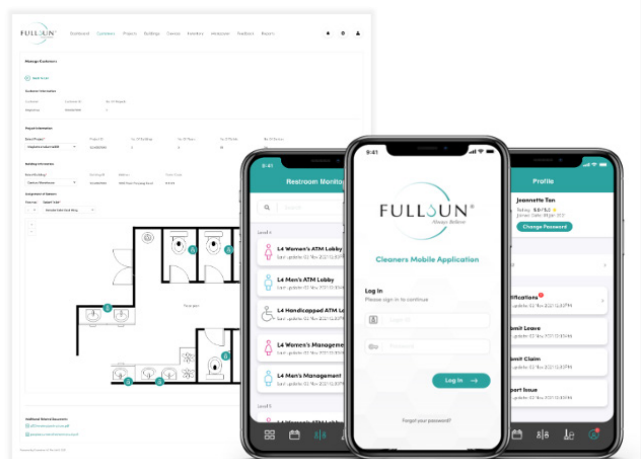
The Solution

Overdrive develops a Smart Hygiene & Task Management Solution that captures accurate real-time data traffic and usage through connected restroom devices and optimizes schedule cleaning resources where they are most needed without the additional labor and cost – all in one single platform.

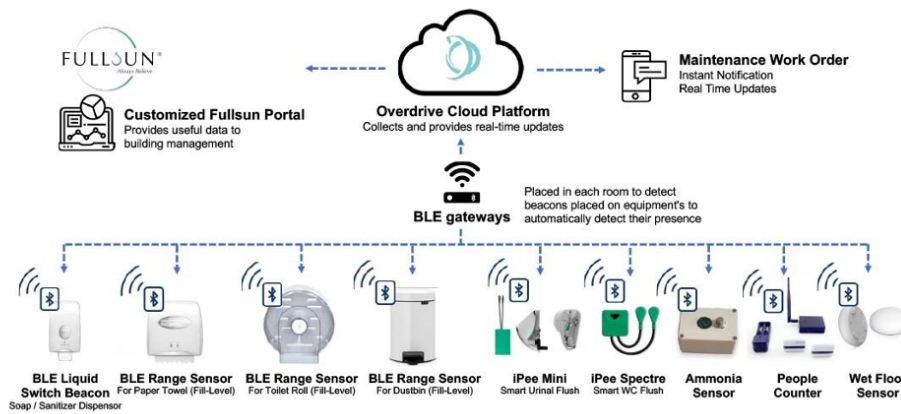
Number of Assets:

Built to connect unlimited number of restroom devices.

Product Used: OverGuard



How does it work?



The solution is a customised application layer that is based purely on Overdrive's IoT based platform. Overdrive links up various brands' sensors protocols to the base platform that will ingest and manage all data from various IoT sensors. The communication protocols will be based on BLE, Wi-Fi, and GSM.

Upon ingesting, the data will be pushed to the customised application layer which will then be used to manage toilet facilities & devices, provides alerts, and dispatches jobs to workers.

The Benefits



Improve toilet resource allocation and maintenance



Enhance efficiency and productivity



Provide a **cleaner and safer** environment



Minimal maintenance with **long battery life** of 2-3 years

The Results

Overdrive's platform is device-agnostic which works well with different systems without having compatible issues from multiple vendors.

The solution accurately captures real-time data on facility usage, people counter, odour level and stock levels that reduces the need for random spot checks, saving time, cost and resources. With this, Fullsun is able to switch from scheduled based cleaning to an on-demand based cleaning.

Who Are We

Overdrive is the leading real-time asset monitoring IOT company in Asia that provides end-to-end IoT solutions and automates data sensing of various types of assets within a business ecosystem, from vehicles and machinery to facilities and people – all under one roof.

What We Do

Specialises in

- Vehicles Monitoring
- Airport Management
- Vessel Tracking
- Heavy Machinery Monitoring
- Smart Hygiene
- Environmental Monitoring
- Sustainability Solution

Hello,
We Are **Overdrive**.

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