

Future-Proof: Scalable and IoT-Ready

WISX IoT Platform deployed for Smart Waste Management is a highly adaptable and scalable unified platform. It easily integrates with other modules or applications and serves as an important platform for cities aspiring to transform by offering enhanced value beyond waste management. The interconnected WISX IoT-ready infrastructure can be deployed as a shared network for various smart connected sensors and devices to deliver other city services (such as noise level and CCTV monitoring) and functionalities for various industry verticals (such as public safety and security, intelligent transport, etc.) to benefit its residents.

WISX IoT Suite of Solutions and Products

WISX IoT solutions help smart cities to manage multiple city services on a common platform. The platform leverages best of breed technologies and standards to facilitate data exchange and analytics as well as generate greater insights for predictive actions to be taken to improve efficiency of city services and operations.

Some of our WISX IoT solutions include

- WISX Smart Street Lighting
- WISX Smart Indoor Lighting
- WISX Smart Energy Resource Management
- WISX Smart Water Resource Management
- WISX Smart Environment Monitoring
- WISX Smart Waste Management
- WISX Smart Lift Monitoring

www.WISX.io

Global Track Record

We have a proven track record in deploying more than 15 million wireless sensors and smart solutions that power and transform cities worldwide. Our solutions help to improve street light management, city planning and operational efficiency, resulting in energy savings essential for sustainable and liveable smart cities. Our global footprint covers various countries such as the UK, the US, Canada, France, New Zealand, Israel, Brazil and India.



Smart Waste Management

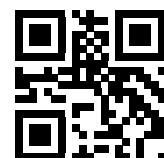
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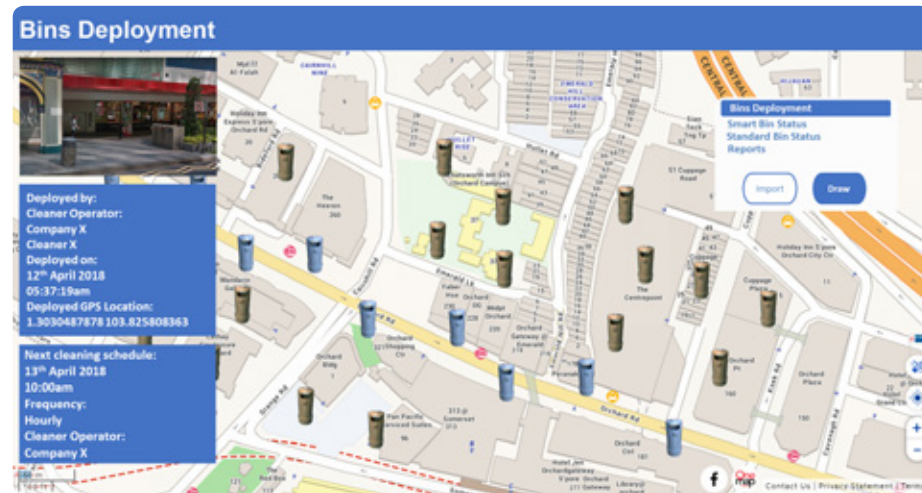
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 **ST Engineering**

WISX Smart Waste Management

Every city aims to maintain a clean, green and pollution-free environment for the comfort of its residents. Having an efficient and responsive waste collection system is increasingly important to a city's growth and sustainability. The global transformation to smart cities has boosted a growing demand to harness smart technologies and Internet-of-Things (IoT) to increase operational efficiency, cost savings and resource optimisation for the waste collection industry.

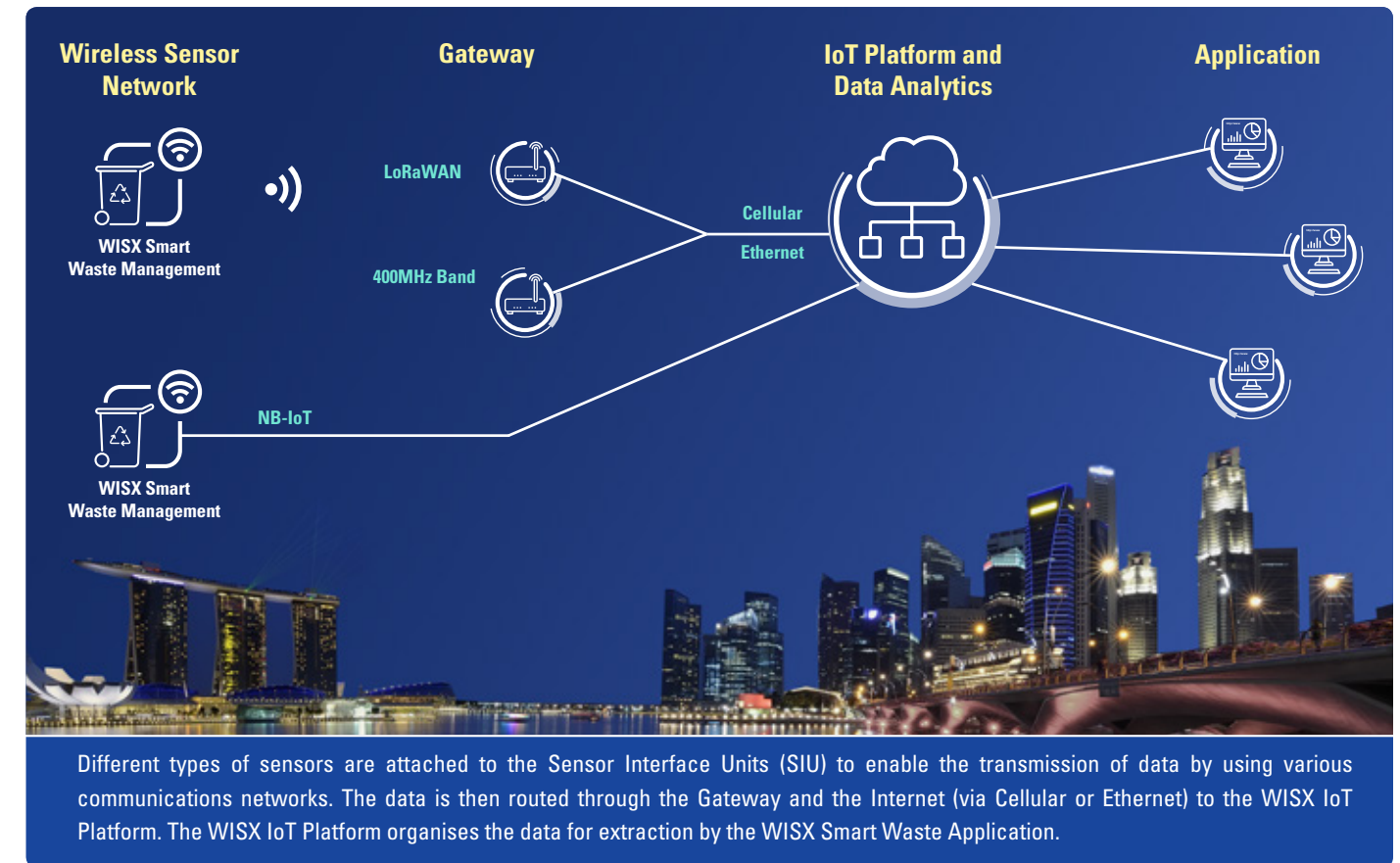
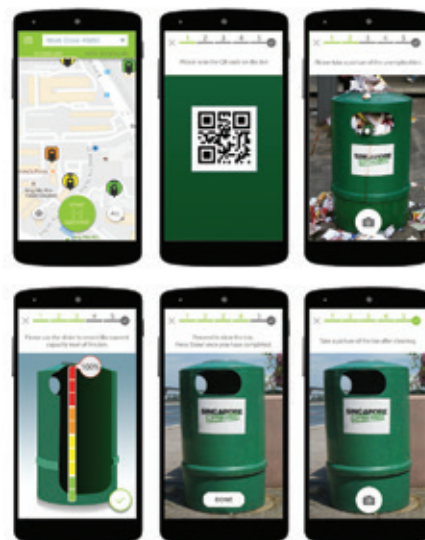


Smart, Efficient and Proactive Key Highlights

WISX Smart Waste Management System provides an ideal end-to-end smart city solution on a single platform to deliver full management of public waste bins. The system collects a combination of timely data from smart bins and live data from cleaning activities to provide a powerful management engine that monitors, measures and improves waste collection. It leverages advanced analytics to optimise waste collection routing and predict hotspot areas for bin deployment and distribution.

- **Seamless Transition and Future-Proof**
 - Provides seamless transition to a smart bin system and minimises the investment for a 'full city' overhaul
- **Unified and Versatile**
 - Supports multiple wireless communications networks on an integrated IoT platform (e.g. LoRaWAN, NB-IoT and 400MHz Band)
 - Supports mounting and integration with different types of waste bins
- **Optimises Operational Efficiency**
 - Optimises route planning for waste collection
 - Monitors and tracks performance of contractor cleaning schedule and regime
 - Intuitive mobile application to monitor and collect data on waste clearing and cleanliness
 - Predicts and recommends hotspot areas to optimise waste bin distribution and deployment
- **Designed for City Environment**
 - Smart bin sensor is built to withstand harsh city conditions. It uses long-lasting battery that is encased in an IP6X casing. It is equipped with detection sensors, GPS and BLE features

Intuitive Mobile App



Key Components

- **Software**
 - WISX IoT Management Platform
 - WISX Smart Waste Application
- **Hardware**
 - WISX Smart Bin Sensor

Features

- Supports multiple communications networks
- Intuitive application
- Advanced analytics engine

Benefits

- Users can deploy any communications network to meet their operational needs
- Manages different types of bins and effectively integrates cleaning activities and workflow
- Optimises waste collection route planning and predictive analysis of hotspots

WISX Smart Bin Sensor

