

OPTIMISING WASTE MANAGEMENT OPERATIONS FOR SEMBWASTE

Overdrive has revolutionised waste management through the integration of advanced sensors, providing real-time insights that enhance efficiency and minimise downtime. Key features, such as 360-degree camera integration and AI-driven route optimisation, have led to significant cost savings and improved operational efficiency.



The Challenge

The waste industry encounters various challenges such as ineffective route planning, safety hazards, vehicle maintenance issues, and a lack of real-time monitoring capabilities.

Ensuring compliance with safety regulations and maximising operational efficiency remain critical priorities for waste operators.

The Solution

Overdrive integrates sensors and technologies for real-time insights into waste collection operations. It includes sensors for vehicle weight, gas levels, location tracking, telematics for maintenance, driver fatigue monitoring, road conditions assessment, and 360-degree vehicle views. Additionally, the platform offers route optimisation based on AI and real-time information, along with a Mobile Data Terminal (MTD). The platform aims to increase safety and compliance while optimising route efficiency. It aids in proactive maintenance, reducing downtime and enhancing overall fleet performance.



How does it work?



Overdrive integrates sensors and advanced technologies into waste collection operations, providing real-time insights into vehicle weight, fuel levels, location, driver behaviour, and road conditions. Using AI-based algorithms, the platform optimises waste collection routes for efficiency and timeliness while reducing fuel consumption. A Mobile Data Terminal (MTD) ensures on-the-go access to critical information. This comprehensive approach enhances safety, compliance, and route efficiency, minimising downtime and improving overall fleet performance

The benefits



Gain comprehensive visibility into fleet operations with a 360-degree camera integration



Minimise operation and maintenance costs with insights into vehicle performance metrics



Enabling businesses to plan routes more effectively and ensure timely waste collection



Providing flexibility and compatibility with various systems and technologies

The Results

Using real-time data and detailed analytics reports, Sembwaste enhances operational efficiency, reduces downtime, and improves fleet performance. Optimised vehicle performance and better route planning result in substantial cost savings. Sembwaste also ensures compliance

with local regulations, avoiding penalties and upholding a positive community reputation. Finally, with streamlined operations and timely waste collection, Sembwaste enhances customer satisfaction, fostering loyalty, retention, and revenue growth.



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.**

Overdrive IOT Pte Ltd



www.overdriveiot.com



ask@overdriveiot.com



+65 6950 0890

