

# Collect More Waste by Driving Less with Smart Bin Sensors and Advanced Routing



REEN Volume empowers local authorities, private waste management, and clothing bank companies to boost productivity, efficiency, and sustainability through smart waste collection.

By replacing traditional pen-and-paper methods, REEN Volume digitises and automates operations using sensor-based fill-level tracking, advanced waste analytics, and intelligent route optimisation for collection.

It monitors bin-fill levels in real-time and generates efficient collection routes - helping you collect more while driving less.

## Turn Waste Collection from a Cost Centre into a Value Generating Service

Save Operations Costs, Improve Productivity and Sustainability



Improve productivity by collecting only bins at overfill risk using sensor-based fill-level data



Elevate collection efficiency by reducing unnecessary trips while collecting more waste



Optimise resources, fuel costs, shift durations, vehicle fleet, and asset utilisation



Increase operational visibility and enable informed decisions with bin mapping, fill-level analytics, and performance dashboards



Enhance resident satisfaction and reduce CO<sub>2</sub> emissions through sustainable operations that improve city cleanliness



Reallocate team capacity to tackle fly-tipping, graffiti removal, and litter picking, improving overall service levels

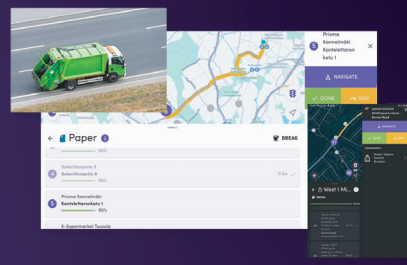
# REEN Volume in Action

1



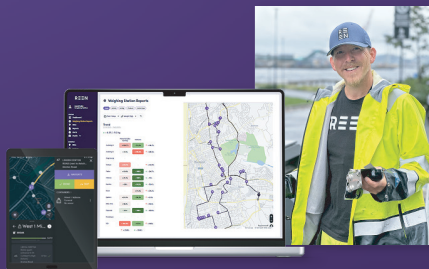
Smart, container-agnostic sensors track and predict fill levels, preventing overflows while providing full visibility and mapping of all bins

2



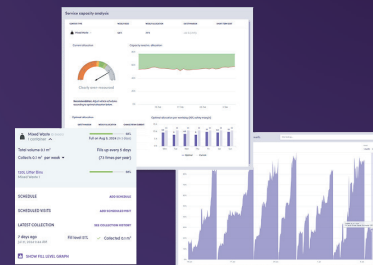
AI-powered algorithms generate dynamic, efficient collection plans - minimising errors, cutting manual processes, and alerting on full bins, location changes, fires, or tipping

3



The Advanced Routing App guides drivers along the most efficient routes, maximising collections and reducing distance driven

4



Interactive dashboards and bin analytics support data - driven decisions on rationalisation, resource allocation, and fleet use - integrating seamlessly with ERP and CRM systems for full business insight

# Sustainability meets Profitability



## Reduce Cost

Resources  
Time  
Efficiency



## Improved Control

Container visibility  
Reporting  
Data empowered



## Increase Efficiencies

Fuel  
Accurate fill level data  
Journey time



## Manage Risk

Overfilled containers  
Insurance  
Customer complaints

