

Waste Management System

End-to-end IoT intelligence for modern waste operations.

01 Overview

A fully integrated IoT waste management platform that connects smart bins, collection fleets and operations teams into a single system. Built for municipal authorities, facility managers and enterprise campuses that need to optimize collection routes, reduce operating costs and demonstrate compliance.

Fewer wasted trips

Trucks go where bins are actually full.

Cleaner cities and campuses

Overfull bins flagged before complaints.

Provable compliance

Every collection logged and auditable.

02 Key capabilities



Smart bin sensors

Fill levels tracked in real time.



Dynamic route optimization

Collect only when needed, not on a fixed schedule.



Fleet tracking

Collection vehicles tracked and managed live.



Operations dashboard

Built for supervisors and managers.



Compliance & audit trails

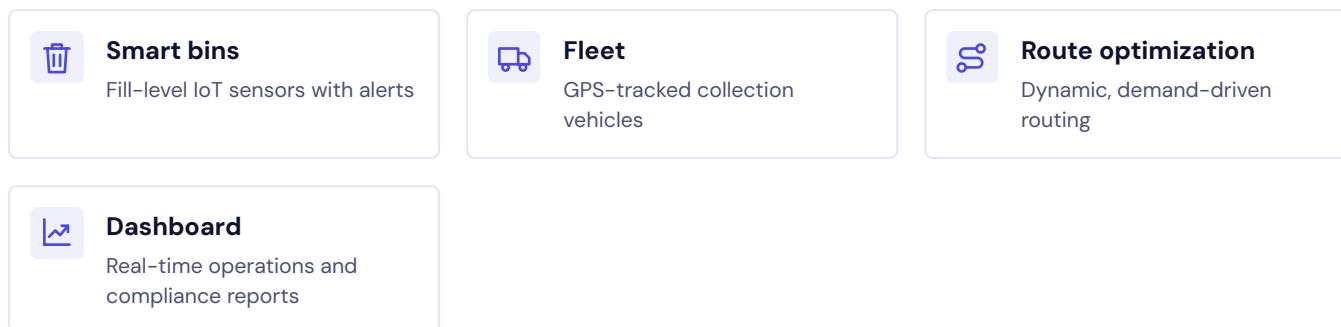
Collection reports ready for regulators.



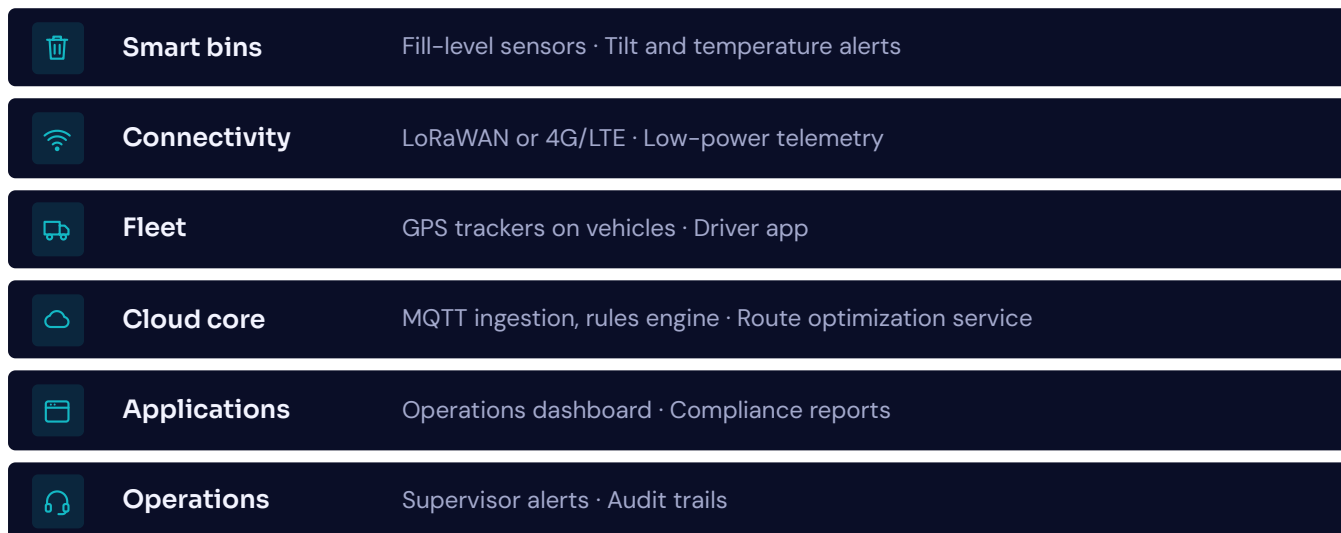
Smart alerts

Missed collections, overfull bins and route deviations.

03 System components



04 Architecture



05 Technical specifications

USERS	Municipal authorities, facility managers, enterprise campuses
SENSING	Bin fill level with real-time alerts
CONNECTIVITY	LoRaWAN · 4G/LTE
ROUTING	Demand-driven route optimization from live fill data
FLEET	GPS tracking and collection vehicle management
REPORTING	Collection audit trails, missed-collection and deviation alerts

06 Where it fits



See Waste Management System on your operations.

Book a live demo at axiteq.com/request-demo.html

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