



# Using IoT enable smart recycle bin collection process

A growing number of cities around the globe are applying technology to waste management solution to create higher efficiency in terms of resources and cost associated with keeping their cities clean.



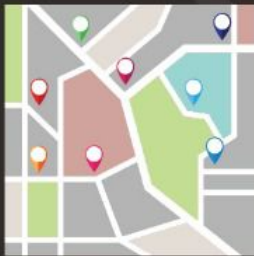
Waste container with RFID Tag



Truck with RFID reader & scale RFID tag, GPS and wireless communication



Recycling center



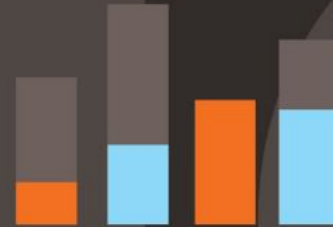
Real Time track waste truck status and location



Latest weight of waste on different location pick up points



Route analysis for better route planning



Waste distribution reports

The waste management industry has implemented IoT-related solutions to improve their efficiency. From waste container bins equipped with RFID, waste truck equipped with RFID reader, GPS, scale system. All the waste data and location can be updated to the Cloud at real time base. Applying the big data management and real time tracking, the industry is shifting into a cleaner, more efficient part of modern life.

## Solution highlights:



Real time monitoring the waste trucks location and caring waste date



Collect the accurate waste data according to collection points, waste type and date



Waste distribution analysis according to the collection points



Weekly & monthly waste pick up reports against trucks, location, etc.



Compare the planned route and the final actual route comparison



Cloud-based and big data analysis



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