

Waste management

for better human habitation



Wealth out of waste

With consumerism taking global stage, the consequence is extensive waste generated by millions of people. Radical expansion of human habitation is undermining the environmental resource base while creating unmanageable waste. Commercial as well as residential spaces continue to grow causing serious implications for the society to process and dispose waste. Pollution due to improper administration is creating serious health problems, putting further stress on the developing economies. An exhaustive waste management system for well-organized waste collection, transportation and disposal along with encouragement of environment friendly activities can considerably reduce the problems.

Infinium Solutionz modernized Integrated Solid Waste Management system addressing multiple facets of waste can help plan, develop and implement efficient processes bringing about the much required change. The state-of-the-art, user friendly system is equipped with highly scalable, progressive technology to help identify points of waste generation, handling, sorting and storage, collection process and transformation and finally disposal.



Key Solutions

Door to Door Collection

- Visual monitoring of routes being followed by vehicles
- Report in case of points missed and unattended area
- Repetitive route tracking
- Reporting Unwanted Idle time/Stoppage monitoring



Storage Bin Collection

- Efficient monitoring and management of waste collecting bins
- Identify deviation in operations
- Installation of Smart bin Sensors that gives alerts when the bin is completely full.

Scheduling & Haul Route Optimization

- Vehicle travel history record
- Monitoring & Control of route violation
- Elimination of Manual, error-prone data collection process
- Need for real-time verification of what/when/where the service has been stopped
- Transparency in Association of Zone-Ward and Zone-Vehicles



Real time management of missed collection points

- Monitor and map all vehicles with real time recording of data.
- Alert in case of missed points
- Generate an alert if unauthorized movement occurs



Integration with Weighing System

- Tamperproof Real-time weighing details from dumping yard
- Per vehicle garbage collection details

Contractor Management & error free payment

- Vehicle wise distance travelled
- Weight of garbage collected per vehicle at every turn
- Optimize Capability of determining the real cost of waste transporting and disposal
- Increase Transparency in the Process of providing the billing/credit of waste disposal or recycling



EcoSkipper™

Ecoskipper is RFID, GPS, Volume Sensor, Weight Sensor based Solid Waste Collection Management Software System. It is designed to monitor movement of waste collecting fleet, their operational violations, waste points collected and missed, public complaints management Filled Volume of Community Bins and their weight.

EcoKeeper™

Ecokeeper is GPS based application for solid waste management and it can monitor contractor's performance, realtime manhole cleaning & sweeping information.



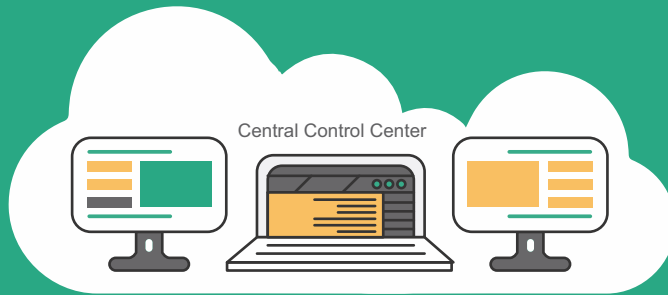
Solid Waste Management System



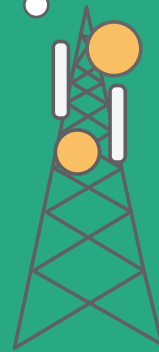
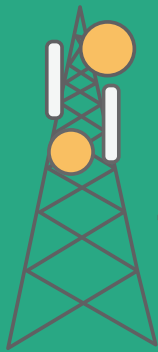
Real Time Point to Point waste collection information



Real Time Waste Weight And Volume
Real Time Bin Pick-up and drop-off Information



Central Control Center



Complains
Registration and
Redressal

real time point to point waste collection information

Automatic Weighing of Waste
Before Being Dumped
At Dumping Site Or Recycling Plant





Benefits and Objectives Served

- Centralizes waste management and enables easier tracking of waste collection cycle and disposal.
- Mobile application allows citizens to register complaints and pay bills hassle free.
- Reduction in citizen complaints through better monitoring and management of garbage collection.
- RFID-enabled system gives tamper proof data which results in reduced paperwork.
- Garbage collection Vehicles equipped with GPS monitoring system increase visibility and collection route optimisation results in more efficient system.
- GPS helps in Real time monitoring distance travelled and weight of garbage collected per vehicle which results in determining real cost of transportation and transparency in contractor's bill.
- By capturing accurate fleet data, waste management and recycling operators can make informed decisions to improve their fleet efficiency, reduce operating costs and increase bottom line profits.
- Mobile based system that enables biometric attendance with location identification allows efficiently track employees responsible for waste collection, sweeping and cleaning manholes.

Differentiators

Subject Matter Expertise

The team brings extensive research and application principles to guide clients in proper implementation and execution of the project. Providing the best technological solutions help Organizations achieve their business objectives.

Innovation

Constant effort of bringing new technologies by anticipating future consumer behavior and risk factors helps in making future – safe investment and realization time. Experience working at Different levels ensures that the solution is well integrated.

Broad Project Experience

Infinium has completed numerous projects across various geographic areas; the understanding of various business needs along with policy risks and compliance factors help the projects to run on scheduled time and avoid disruptions.

Product Fitment


Infinium offers a clearly differentiated product that is secure, flexible, compliant, robust and scalable. The services offered with the customization options guarantees a strong fit with the business model.


Certifications






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