Smart Garbage Management System

SOLUTION FOR SUSTAINABLE WASTE MANAGEMENT
Waste management is an important requirement for ecologically sustainable development. A complete end to end automation & monitoring of waste collection & management system is required to maintain equilibrium.

PMC is using cutting edge technologies such as GPS, GSM, RFID, M2M, LOT Sensors along with innovative mobile and web applications, to improve and smoothen ground-level mechanisms for waste collection and efficient processing and recycling of waste.

**Vehicle Tracking Management System**

Vehicle depot under PMC have installed GPS based vehicle tracking management system (VTMS) for Waste collection vehicles.

**Key features of VTMS:**
- Real time tracking of vehicle/fleets
- Complete audit trail of movement of vehicles
- Alerts – Over speed, excess stoppage time, excess fuel withdrawn
- Fleet summary report – Stoppage, speed violations, Idle time, Fuel consumption
- Alerts for fuel thefts, tampering, geofencing violations
- Web enabled live map with history playback & route replay

**Citizen Connect : Mobile App**

PMC have a responsibility to operate in fast-developing mobile world because that’s where citizens are. The Mobile app integration allows citizens to stay connected, monitor & provide feedback.

**Key features of Mobile App:**
- Citizens can view/locate bins/feeder points on map
- Monitor vehicles scheduled for locality/premises/wards with ETA, ETD information
- Track cleanliness score & overall performance of various wards within PMC
- Report Incidents in the form of tickets to command control center
Smart Solid Waste Management

The existing vehicle tracking system has been upgraded to streamline the Solid Waste Management (SWM) department activities. It is a step towards making Pune a smart city by eliminating human factors from garbage collection to bin disposal.

SWM department has been able to increase vehicle productivity, decrease non-compliance, effectively plan their schedules & create transparency in the civic administration.

Key features of Smart Solid Waste Management:

- Online monitoring of feeder points/bins by command control center with real time information on quality & quantity of garbage collected.
- Dashboard for ward offices, vehicle depot, citizens highlighting ward level performance with the garbage volume generated & their overall cleanliness score.
- Integration of dumping ground/transfer station facilities with the command control center.
- Citizen connect by integration with PuneConnect mobile app.
Highlights:

- Real time vehicle monitoring to improve per vehicle productivity & reduce non-compliance
- Centralized command control center for waste collection and transportation
- Efficient monitoring and management of waste bins
- Availability of MIS for effective planning of resources, schedules & unforeseen events
- Automated monitoring of transfer stations, processing centers for daily garbage inwards-outward using weigh bridge automation
- Effective management of citizen’s complaints

400+ VEHICLES MAPPED & 7000+ BIN LOCATION G EOTAGGED

Pune Municipal Corporation, Shivajinagar, Pune 411005, Maharashtra, India
Phone: 020 2550 1000 www.punecorporation.org

facebook/pmcfmc @pmcpune +91-9689900002