BHOOMITHRA
DATASHEET

Bhoomithra is a combination Web and Mobile Applications with Platform for informed decision making with MIS and analytics Dashboards. The system is highly scalable, robust and integrated with AI and Computer Vision Capabilities and IoT components. The Platform aims to enhance operational efficiencies, improve waste diversion, facilitate recycling efforts, ensure regulatory compliance, and promote sustainable waste management practices.

Bhoomithra include Waste Collection Management with Route Optimization, Scheduling and Dispatch and Bin Monitoring and Tracking, IoT Integration with RFID/ Barcode Tracking, Smart Bins and Sensors, IP Cameras with Vision Analytics, Data Analytics and Reporting, Customizable Reports, Waste Segregation and Recycling Management, Billing and Invoicing, Contract Management, Mobile Applications for Field Operations, Customer Service and Engagement, Customer Portals etc.

BHOOMITHRA EDITIONS

GovBiz Connect

GovBiz Connect delivers comprehensive waste management solutions for Urban/ Local Governing Bodies.

Enterprise

Enterprise delivers comprehensive waste management solutions for Private Agencies

APPLICATIONS

Smart City

Waste Management Service Provider

Urban/Local Governing Bodies

Bhoomithra Editions

01	GovBiz Connect
02	Enterprise

Service Management

Scheduled Service			
Dry Waste		**Wet Waste**	
01	Plastics	01	Bio Degradable Waste
02	Glass	02	Poultry Waste Service
03	Paper	03	Slaughter Waste
04	Leather	04	Food Waste
05	E-waste		

On Demand Waste	
Liquid Waste	
01	Septage Waste
02	Sullage Waste
03	Waste Water
04	Sewage
05	C&D

Product Overview

01	Garbage Vehicle Management
02	Centralized & Decentralized Garbage Collection Management
03	Centralized Monitoring System
04	Online Payment Collection and Management
05	Service provider performance evaluation system
05	Analytical reports
05	Grievance Management
05	Waste Auditing Survey
05	Role based access
05	Customer Management

APP Features

Waste Auditor App Features		Waste Collectors App Features	
01	Dashboard	01	Dashboard
02	User Based Login	02	Allocated tasks and completed tasks list option
03	Basic Survey setting option	03	QR code reading
04	Waste Audit Questionnaire for survey for different types	04	View the service requests and complaints
05	View and edit option of surveyed date	05	System for updating the service request/complaints status
06	View and edit option of surveyed date	06	Payment collection option
07	View and edit option of surveyed date	07	Role based User login
08	View and edit option of surveyed date	08	Offline Feature
09	View and edit option of surveyed date		

RRF Mobile App Features		Bhoomithra Mobile App Features	
01	Dashboard feature	01	Dashboard feature
02	Facility for recording the Stock in of waste item	02	Facility for recording the Pick up quantity of waste
03	Facility for recording the sale of items from MCF	03	Facility for recording the Sale quantity of waste
04	Login/Logout Feature		

Customer App Features		MCF Mobile App Features	
01	Customer profile	01	Dashboard feature
02	Facility for initiating complaint or service request	02	Facility for recording the Stock in of waste item
03	Tracking the service request/complaints	03	Facility for recording item wise transfer to RRF
04	Waste collection Schedule intimation	04	Facility for recording the sale of items from MCF
05	Update profile feature	05	Login/Logout Feature
06	Online payment options		
07	Login/Logout Feature		

Web Features

Web Portal Dashboard	
Web portal dashboard mainly divided in to 5 Components	
01	Door To Door:In Door to Door Dashboard indicates the activities of Waste Collectors such as Enrolment, Subscription, Services and Payments
02	Customers: In Customers Dashboard is showing the Grievance /Incidents counts and progress status
03	Facility: In Facility Dashboard included the MCF/RRF process and waste lifting quantity details
04	Users: Through Users Dashboard easily identify how many Users are currently using the application (Officers Level –Web Portal and Field Level Mobile Application) and Waste collectors location also we can find from it.
05	Management Module: Under Management Module Dashboard included waste collectors service coverage and the waste movement from Mini MCF to MCF and MCF to RRF/CKC or Private vendors.

Web Features

Fleet Management		Analytical Features	
01	Waste Collectors Tracking	01	Waste Volume level Change Detection
02	Real-time monitoring of waste collection vehicles	02	Dumping /Littering Detection
03	Ensuring timely pickups	03	Intrusion Detection
04	Efficient rerouting during traffic congestion or accidents	04	People Detection and Count
05	Optimize routes	05	Animal Detection
06	Receive speed and halt alerts	06	Vehicle Detection & Classification Vehicle Count
07	Track fuel efficiency	07	Automated Number Plate Recognition
08	SMS and email notifications	08	Face Registry and Recognition