Geometric

Smart WASTE

THINK TRANSPORTATION, THINK US

Login to account

Access to the most powerful tracking platform in the entire telematics industry.

Username

Password

Login   Forgot password ?

🌐 ▼

Humans are yet to master the art of waste management. But with Smart Waste, we all might be just a step away from perfection. Grow sustainable waste management businesses with Geometric Survey It's about time that you get used to exceptional transparency, real-time data, & accurate analytics.

Here is why administrators love using SmartWaste:

Waste management agencies function through a corporate hierarchy. Hence,they need a flexible structure that lets them access specifics that serve their purpose.

Any given state is broken into zones, which further gets fragmented into wards. Zone and wards are managed by different individuals.

Different scope of visibility for different managers

State

Ward managers access only those collection details that concern them

| City1 | City2 | City3 |

Zone managers can access multiple wards & inspect errors

| Zone1 | Zone2 | Zone1 | Zone2 | Zone1 |

| Ward1 Ward2 | Ward1 | Ward1 | Ward1 Ward2 | Ward1 Ward2 |

Managers enjoy total transparency   Can accommodate institutional hierarchies   Enables quicker actions & response

How does it work?

Take control over your waste collection processes with GPS powered tools

Assign waste collection points using Smart Waste Software

Get notified when your crew misses or delays a collection

A task is said to be complete only when all collection points along a route have been visited

Get proof of task completion using photos, QR codes, & RFID

Keep track of collected waste & easily know when quantities are lesser than usual

Connect with residents & be the first to react to their complaints

See who' using SmartWaste

You could be a government municipality or a private waste collection agency — either way; you need SmartWaste. See how we've simplified waste collection by taking care of every aspect.

Administration

We equipped admins tools that can enhance operational visibility—now available in mobile and web applications

Waste Collectors

Waste collection crew members can offer proof of completed tasks through Photographs, QR code scans,& RFID.

Task Completed

Dashboard

One-click access to everything you'll ever need!

Monitor daily collection routines and get real-time insights into work hours. You will quickly identify when your crew misses multi-able points along the way. See the number of trips your crew was able to complete without any alerts.

Review waste collection statistics

Catch up with alerts and task violations

Monitor fuel consumption and refills

Reminders for upcoming fleet maintenance

Dashboard

Fleet Status

Today

200 Objects

85 • Running
15 • Idle
50 • Stopped
10 • Inactive
40 • No Data

Job with most missed points

Today

Job10 95
Job9 80
Job8 22
Job7 60
Job6 10
Job5 40
Job4 90
Job3 20
Job2 85
Job1 58

0 20 40 60 80 100
Alert

Job Status

8.5%
11.2%
5.3%
48.4%
8.5%

15 On Job
4 Failed
6 Upcoming
2 Completed without
4 Completed with erorr

Today's Job with most alerts

50
40
30
20
10
0

1 2 3 4 5 6 7 8 9 10
Job

Live Tracking

See what "more than just simple tracking" feels like!

We put ourselves in your shoes and wondered: "What do admins want?" We know staying up-to-date with waste collection jobs is important. We also know you'd like to see how well your employees & fleets are working. So, we got it all on a single screen. Here's what our live-tracking screen can do for you:

Red, Blue,& Green dustbin icons indicate missed, in-progress,& completed jobs

See the timing and type of alert occurrences along the route

Review the time of collection. Compare permissible halt limes with actual ones

Stay updated with live vehicle status and location You can also playback past collection routes

The job module

Without transparency, your business is just a guessing game!

01   Waste collection points can be saved as an address

02   A job is complete when all points along its route are visited

03   You'll be able to conduct & monitor vehicle-independent routes

04   Penalize for missed points. configure your penalty based on areas.

Upcoming

Estimated Time : 06:45 AM
Vehicle   : GJ04GA0532
Position   : 21.774058, 72.142208

Depo - Collection Point

🗑 Checkpoints 250   🗑 Visited 250   🗑 Upcoming 150   🗑 Missed 150   ⚠ Distance 125 km
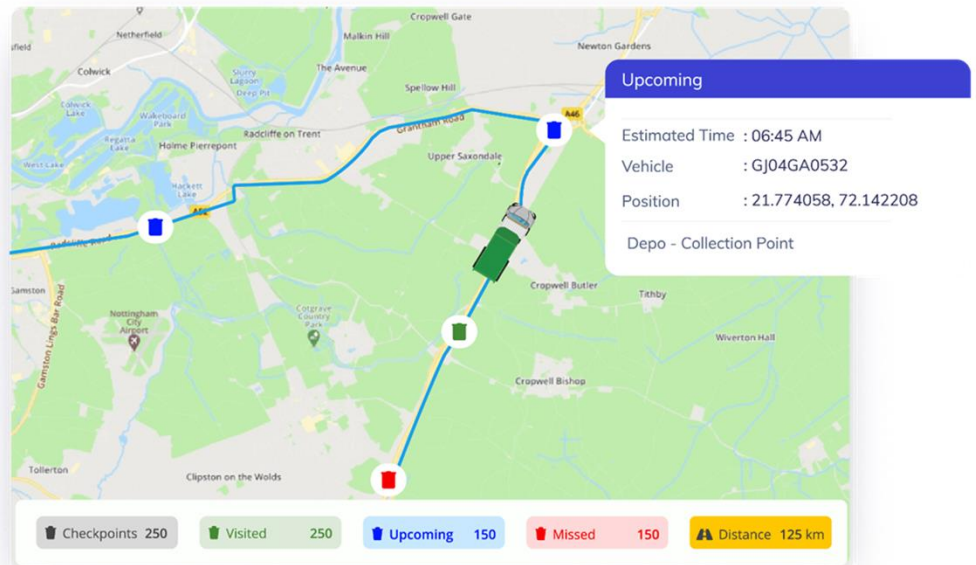
Know missed, delayed, or poorly timed visits

See the number of missed checkpoints

Job distance and duration

Monthly comparison & review of missed checkpoints

Job Summary Reports

Because productivity is never an accident!

Instead of staring hours at the live-tracking screen,you can get the same insights into collection routes using our carefully crafted job summary reports.

✓ Know the status of current or historical jobs

✓ Planned star time vs. Actual start time

✓ % of completed % of distance traveled

✓ Access jobs based on their designated zone & ward

A smarter, quicker way to monitor your fleets

We know there is no collection without your fleets. Garbage collection vehicles truly drive your business forward. With the help of our object reports, you'll know:

Number of jobs accomplished by a selected fleet

Total jobs completed with & without issue

Which company and branch does the fleet belong to?

Know the total distance traveled by your fleets

Area Reports

Monitor areas that matter to you

We understand that monitoring dustbin collection points is not enough. The collected waste needs to be emptied at a dump yard or a transfer station. So, we've got tools to monitor those areas as well:

Smartly monitor porking yards, dumping grounds, & transfer stations

Know how many vehicles are present in these areas

Accurate data available on a daily/ monthly basis

Change the type and the name of these area as you like

Analytical Tools Reports

Leverage real-time data for eye-catching results

Your business runs on your fleets. Every single decision you take affects their uptime. So, make all the right choices with real-time data at your fingertips!

Fleet Activity Reports

- Playback vehicle routes & review their stoppages

- You will see where and when your drivers speeded

- Know ignition on/off times and see how much your fleets traveled per day

Maintenance Reports

- Review maintenance history for each vehicle

- Keep track of engine hours & the total distance traveled

- Automate scheduling and reminded of servicing dates

Fleet Expense Reports

- See how much your fleets are costing you per hour and per mile

- Account for fuel,tires, tolls, insurance costs, & driver salaries

- Acknowledge maintenance costs, and cost of repairs after accidents

Features

Don't be busy. Be Productive!

Once upon a time, it was impossible to monitor hundreds of fleets or crew members simultaneously.Now, you can! Here is how you could monitor your fleet and drivers without getting overwhelmed:

Geofence Report

- See how much time your fleets spend inside and outside a geofence

- You will be able to review geofence entry or exit time stamps

- Get to know how many vehicles visited a particular geofence

Geofence Visited Summary			
Company	Vehicle	No of Visits	Geofence Duration
Global Waste	GJ15 AA 9022	1	00:30:21
Pure Earth Inc.	TN02 JJ 6665	6	01:01:00
Greenhouse Plastics	DL02 JJ 4587	1	00:10:09

Alert Report

- Know when your drivers are idling or underutilizing company resources

- Get to know the number of alerts, their type & duration

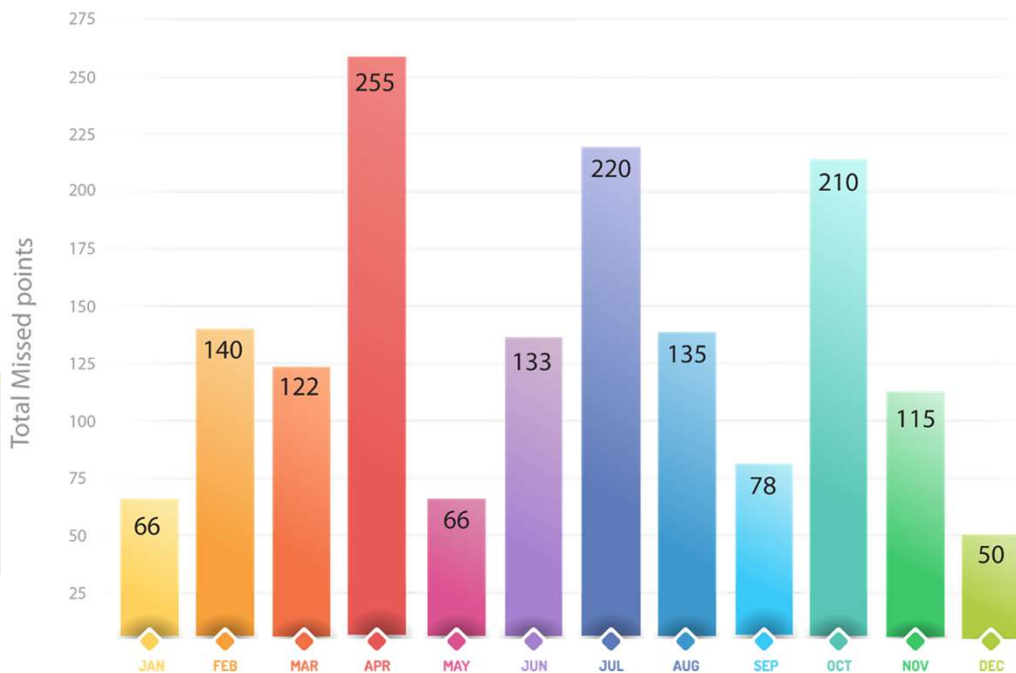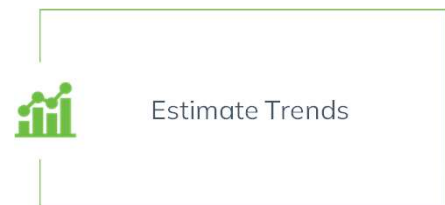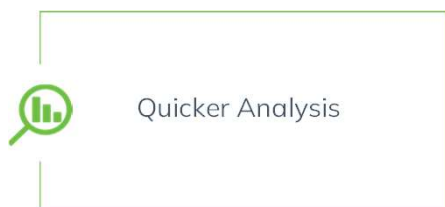- See alerts per driver and train them accordingly

Alert Status			
Alert Date Time	Vehicle	Driver	Alert
01-07-2021 05:00 PM	MP 15 AA 9022	Jason Mell	Passed POI
02-07-2021 06:10 AM	MP 15 KL 5532	Kelly Frankin	Overspeed
03-07-2021 04:05 PM	RJ 18 BK 2230	John Deo	Fence Overstay

Analytical tools: Charts

Experience Data visualization

Data can mean very little without the right tools to analyze it. If you are a visual learner, then you are in for a treat! We've got tools for you to interpret data visually. You can map bar graphs, piecharts or linear graphs— only with Smart Waste.

Quicker Analysis

Easier Comprehension

Estimate Trends

Spot Patterns

Total Missed points

JAN	66	
FEB	140	
MAR	122	
APR	255	
MAY	66	
JUN	133	
JUL	220	
AUG	135	
SEP	78	
OCT	210	
NOV	115	
DEC	50	

Analytical tools: Charts

Get the visibility you deserve

Waste collectors will be able to take photos of emptied dustbins as proof of a job well done. They can also scan QR codes (or RFID), stuck on the dustbin every time they clean them. So, admins will always know what their crew is doing.

Enhance on-site service

Streamline processes

Transparency

Faster communication

Reap the benefits of solid hard work!

Every year, the amount of waste generated globally increases at alarming levels. The need for a sustainable waste management solution is imperative. Our waste management solution is flexible and can be deployed for the following purposes:

Household waste

Making sure each dustbin gets emptied regularly and on time

Medical Waste

Responsible waste disposal to prevent disease infestation

Industrial Waste

Measure the weight of collected waste with weigh scale integrations

WASTE COLLECTOR
APPLICATION

Waste Collector Application is specifically designed to assist on-ground teams in executing their tasks efficiently. It allows collectors to view assigned jobs, report incidents, and track their progress in real-time. By enabling seamless communication between managers and collectors, the app ensures smoother operations. Additional features such as before-and-after photo uploads and instant updates make this application an indispensable tool for maintaining accountability and operational precision.
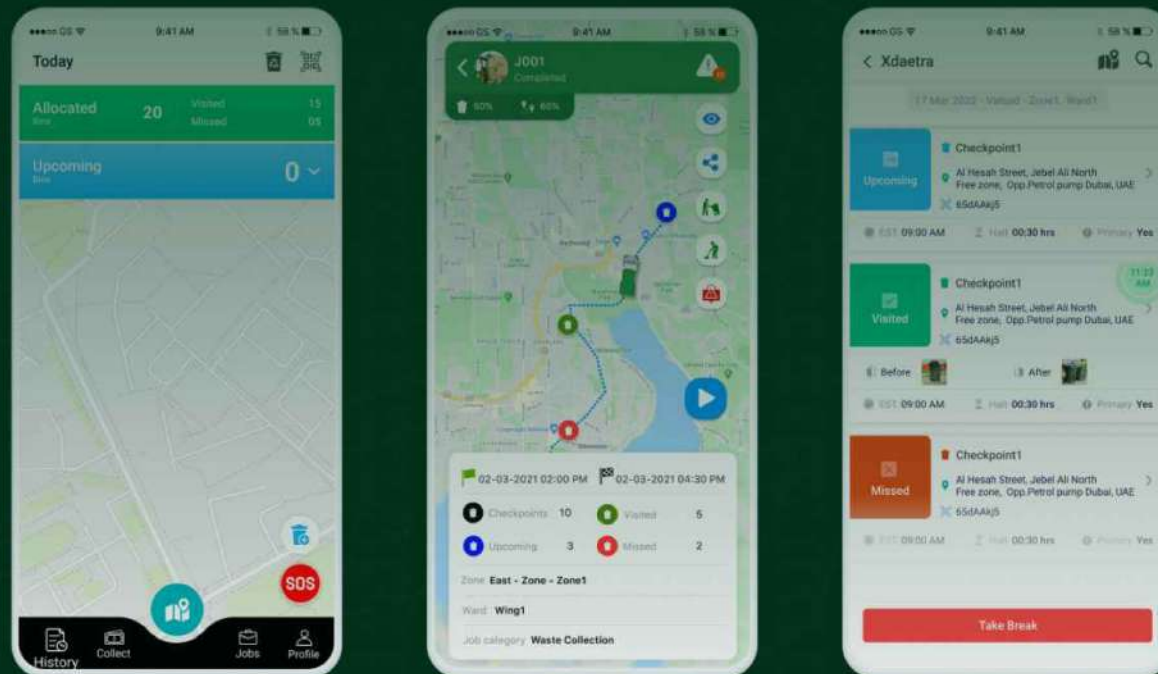
ADHOC CHECKPOINT MANAGEMENT

Adhoc checkpoint management feature allows collectors to record unplanned bin visits during their active routes. This ensures a comprehensive record of all waste collection activities, even those that occur unexpectedly.
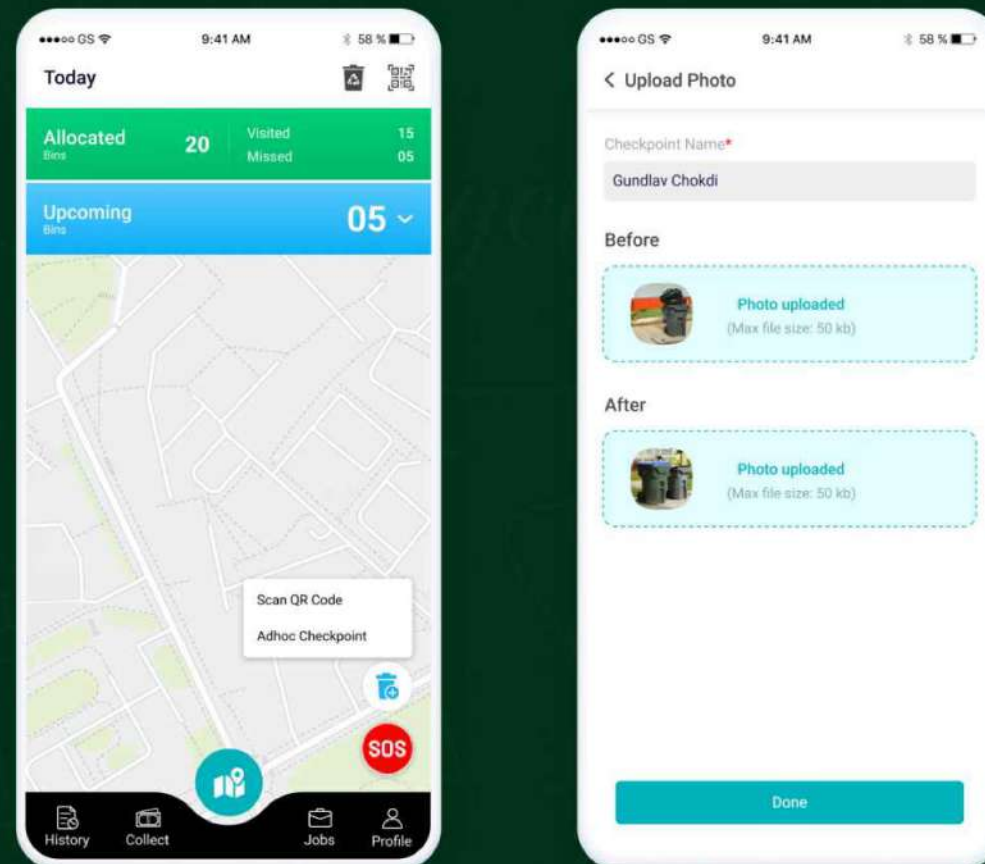
KEY INSIGHTS

1 **Input for unplanned visits**

Collectors can log unplanned bin visits using a simple form in the app.

2 **Capture essential details**

Include checkpoint names, before/after photos, and bin conditions to maintain transparency.

3 **Automatic location tracking**

The app captures GPS coordinates to accurately log unplanned visits.

4 **Categorize bins**

Distinguish between planned and unplanned bins for better organization and reporting.

5 **Real-time update**

Unplanned visit data is uploaded instantly to the system for administrators to review.

BENEFIT

This feature ensures no bin is left out, improves operational flexibility, and provides detailed insights into collection patterns.

PROOF OF SERVICE

Before/After image upload feature ensures better accountability by allowing collectors to upload pictures of bins before and after the collection process. This helps maintain service quality and transparency.
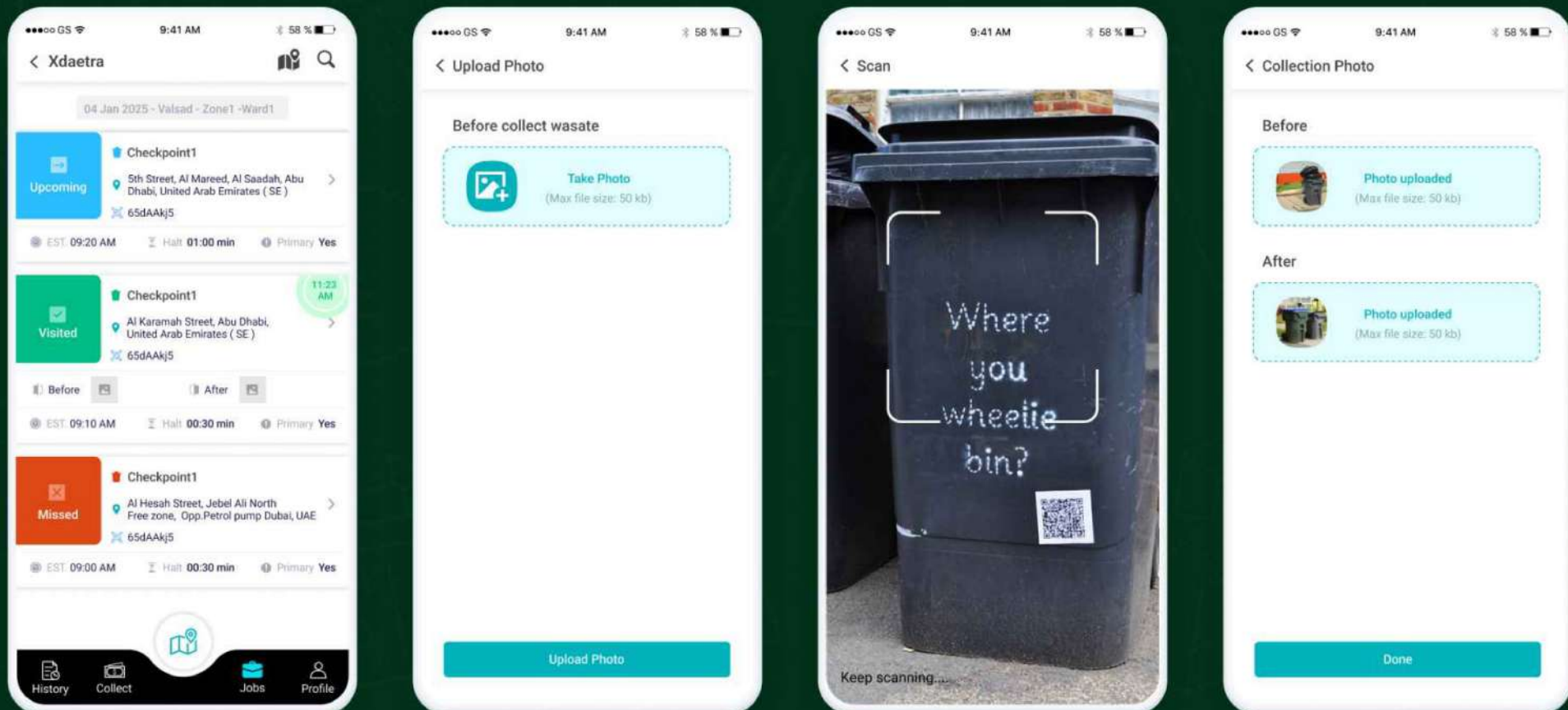
KEY INSIGHTS

1 **Visual documentation**

Collectors can upload images of the bin's condition before and after collection.

2 **Improved accountability**

Ensures that bins are properly serviced and tasks are completed as expected.

3 **Evidence of work**

Uploaded images serve as evidence that waste collection tasks were completed.

BENEFIT

This feature builds trust, ensures service quality, and helps keep records accurate for easy verification.

HELPER MANAGEMENT

Helper Management feature allows waste collectors to manage and track their helpers' involvement in collection tasks. This ensures smooth coordination and accountability.
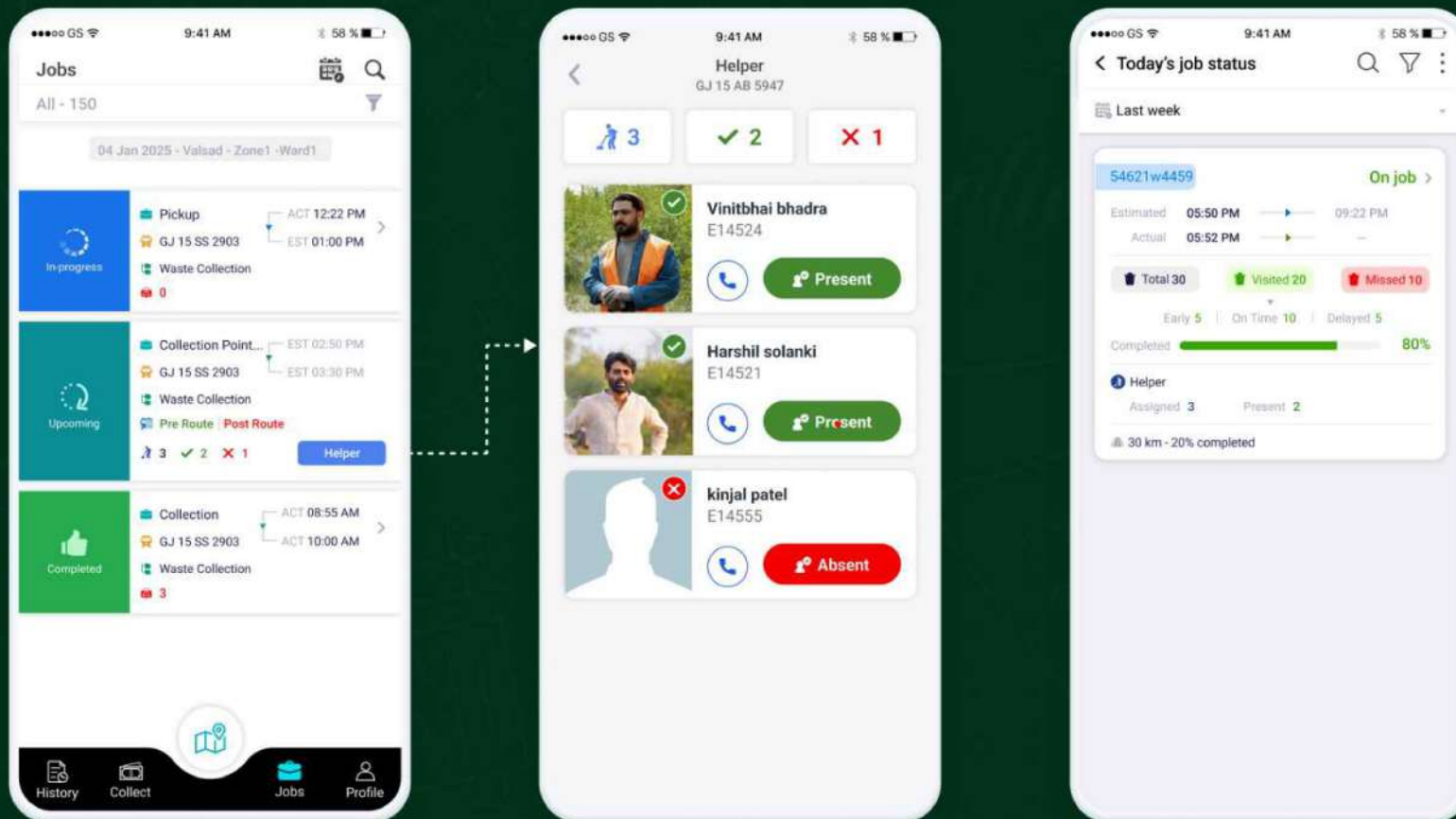
KEY INSIGHTS

1   **Attendance tracking**

Collectors can mark helpers' attendance directly through the app for each job.

2   **Automatic association**

Once attendance is marked, the system links the helper to the specific collector's tasks automatically.

3   **No separate login required**

Helpers don't need separate login credentials; their details are managed within the system.

4   **Reports and analysis**

Helper data, including attendance and job contributions, is included in reports for easy tracking and evaluation.

BENEFIT

Ensures easy tracking of helpers, accurate record-keeping, and smooth coordination during waste collection tasks.

INCIDENT MANAGEMENT

Incident management feature helps waste collectors report any issues they face during their routes. It ensures problems are logged and resolved quickly to keep operations running smoothly.
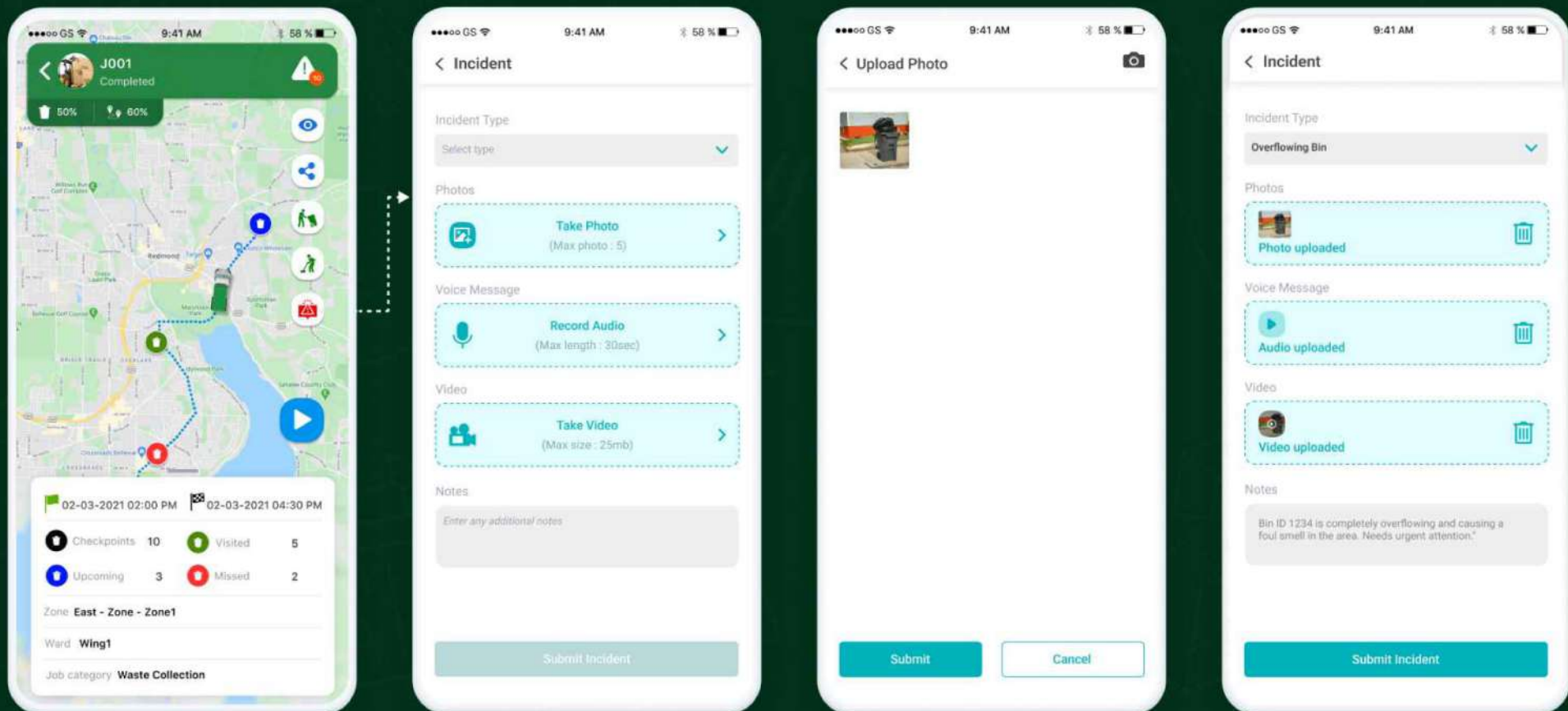
KEY INSIGHTS

1 **Easy incident reporting**
Collectors can use the app to report problems they encounter while working.

2 **Choose from a list of issues**
The app provides a list of common issues so collectors can quickly select the right one.

3 **Add photos, voice, or videos**
Collectors can upload pictures, voice messages, or videos to explain the problem better.

4 **Report multiple issues**
Collectors can report more than one issue during their route, and each one will be logged separately.

5 **Quick action by admins**
Reported issues are sent to administrators who prioritize and resolve them quickly.

BENEFIT

This feature makes it easy for collectors to share problems and ensures administrators can fix them without delays. This helps waste collection stay on track.

BREAK MANAGEMENT

Break management feature allows waste collectors to take scheduled breaks during their tasks without disrupting overall operations. It ensures proper time management and keeps the team informed.
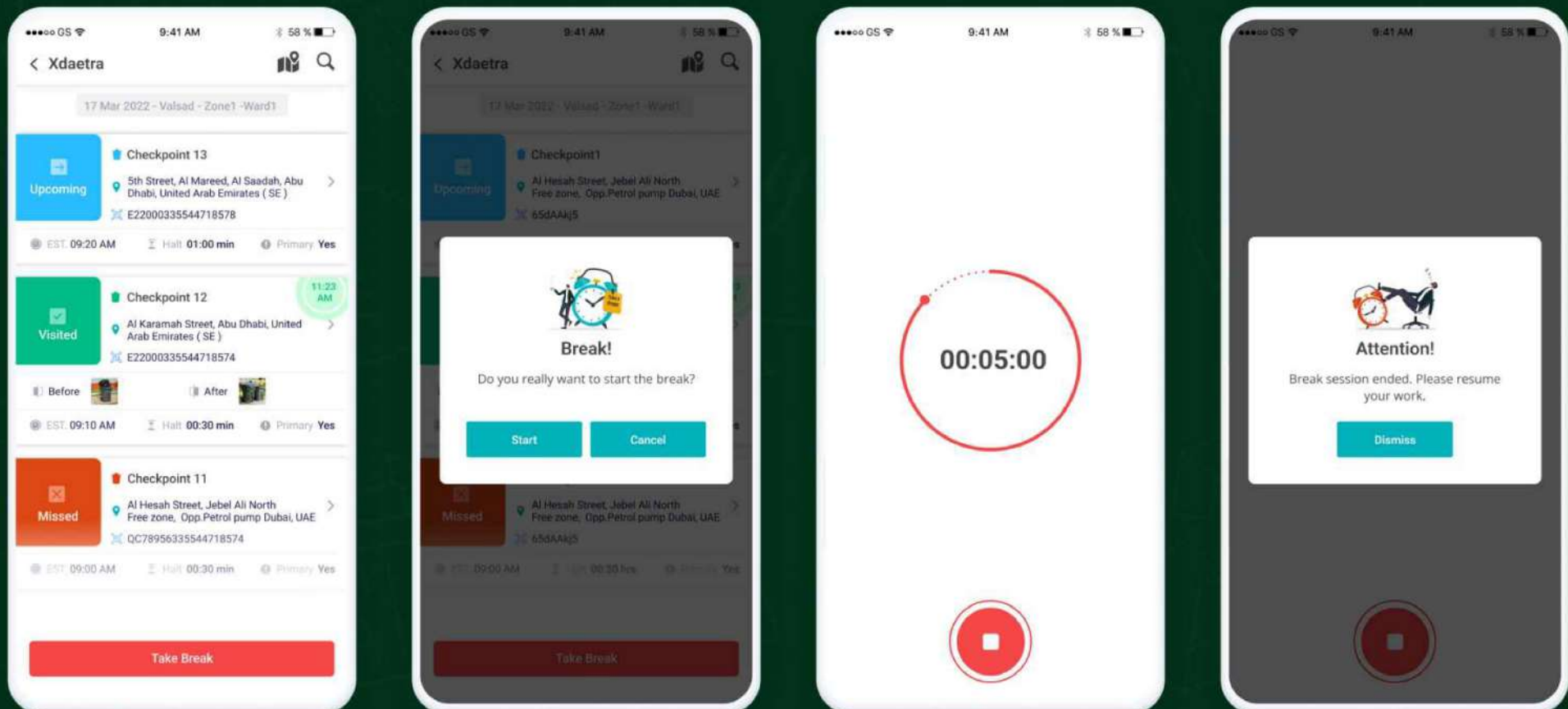
1 Break initiation

Collectors can start a break session directly through the app while on their route.

2 Countdown timer

The app displays the remaining time for the break to help collectors stay on schedule.

3 Alerts for break end

Collectors receive alerts (visual, sound, or vibration) when the break is about to end.

4 Break status tracking

Breaks are recorded in the route summary and timeline, with a clear "on break" status displayed on the service map.

5 Break duration logging

The app logs the total break duration for accurate reporting and time management.

BENEFIT

This feature helps maintain productivity by managing breaks effectively. It keeps operations on track, and provides transparency for administrators.

SOS FEATURE

SOS feature in the collector app ensures safety and quick resolution of emergencies during waste collection tasks. It enables collectors to send alerts for immediate assistance in critical situations.
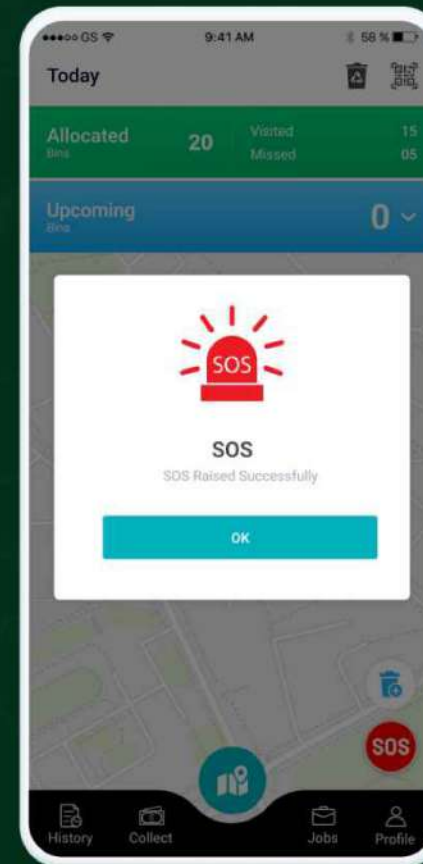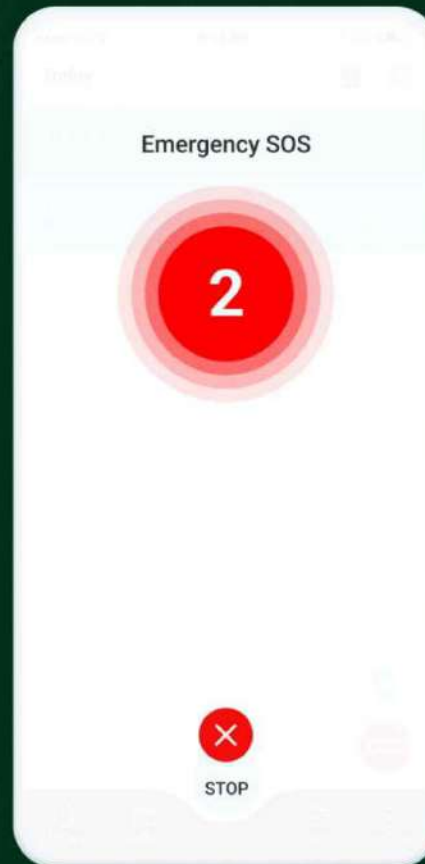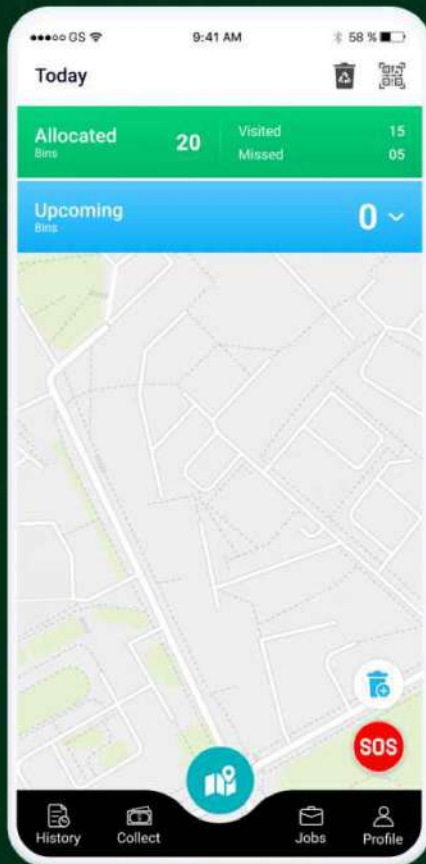
1 **Emergency alerts**

Collectors can instantly send SOS signals to notify relevant teams about emergencies.

2 **Real-time communication**

Facilitates immediate contact between collectors and emergency response teams.

3 **Quick resolution**

Alerts are directly sent to waste management teams for rapid action.

BENEFIT

The SOS feature improves safety for collectors. It ensures faster emergency response times, and keeps operations secure and efficient.

CITIZEN APPLICATION

The Citizen Application bridges the gap between waste management agencies and end-users. It allows citizens to track their bin collection schedules, report issues, and provide feedback seamlessly. Additionally, features like live vehicle tracking provides better engagement. It ensures that citizens are actively participating in maintaining cleaner environments. This app is an essential component for agencies looking to offer transparent, reliable, and citizen-centric waste management services.
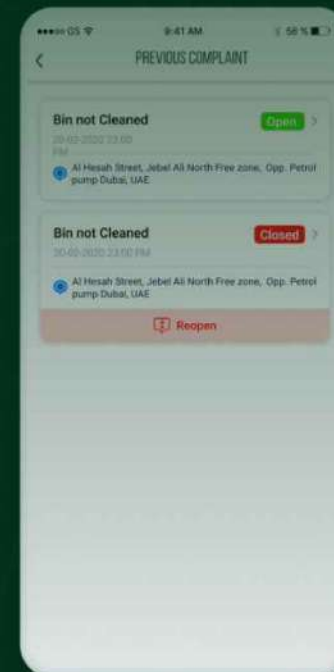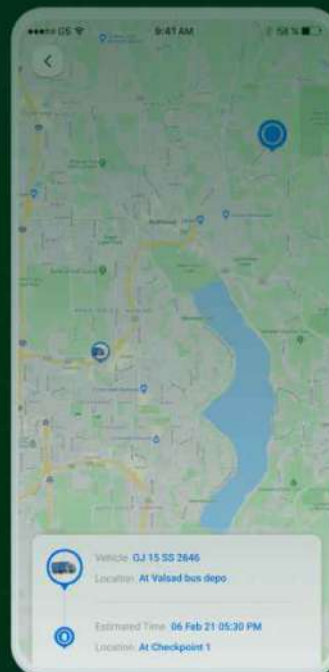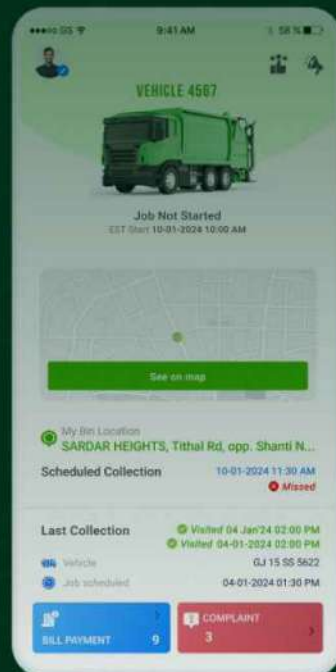
INSIGHTFUL DASHBOARD

Citizen dashboard is your go-to screen for all waste management updates. It offers a clear and user-friendly interface to help citizens track waste collection schedules, report issues, and manage bill payments.
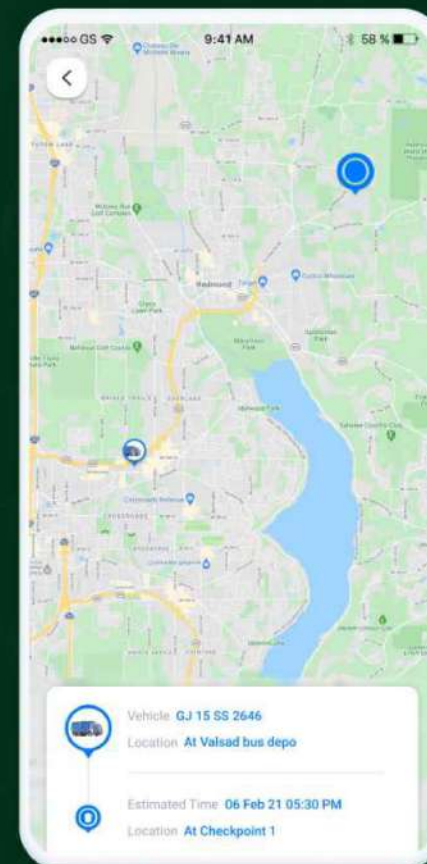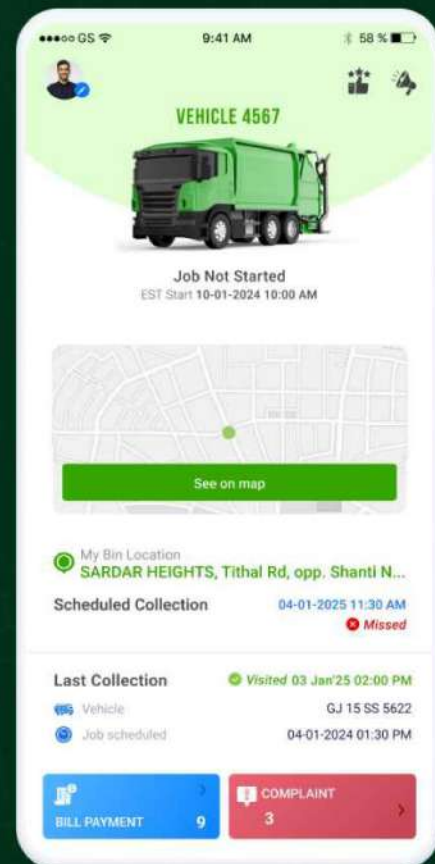
KEY INSIGHTS

1 Vehicle status tracking

Keep track of the waste collection vehicle assigned to your area, including its location and job status.

2 Collection schedule updates

View upcoming collection schedules and receive notifications for missed collections to stay informed.

3 Bin location visibility

See your bin's exact location on a map and track its status in real time.

4 Complaint management

Lodge complaints directly from the dashboard for faster resolution.

5 Bill payment management

Easily view and pay outstanding waste management bills with a single click

BENEFIT

The dashboard ensures convenience, transparency, and timely updates for citizens. This makes waste management hassle-free and efficient.

COMPLAINT REGISTRATION

Citizens can now actively contribute to maintaining a cleaner environment by registering complaints. Whether it's uncollected waste, delayed pickups, or other issues, the app ensures that residents' voices are heard promptly.
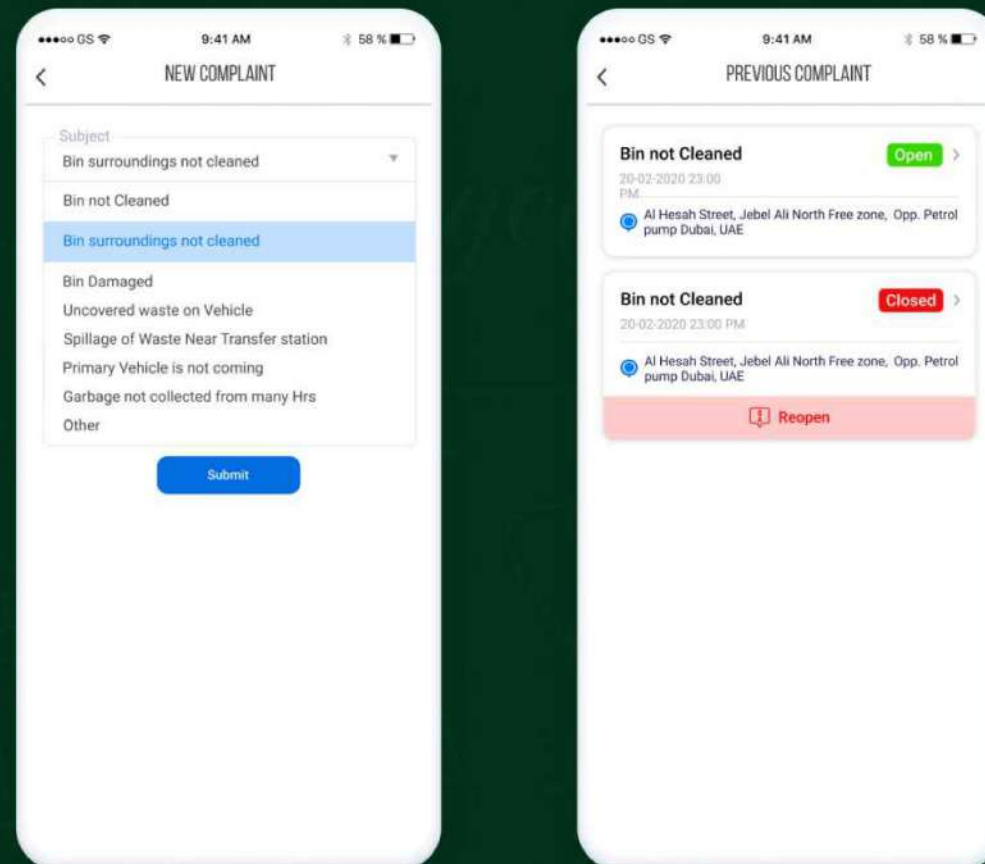
KEY INSIGHTS

1 **Easy complaint submission**

Citizens can log complaints about uncollected waste or delays with just a few clicks.

2 **Upload visual proof**

Images of problem areas can be attached to complaints for quicker and more accurate resolutions.

3 **Real-time status updates**

Users can track their complaint status—whether it's pending, under review, or resolved.
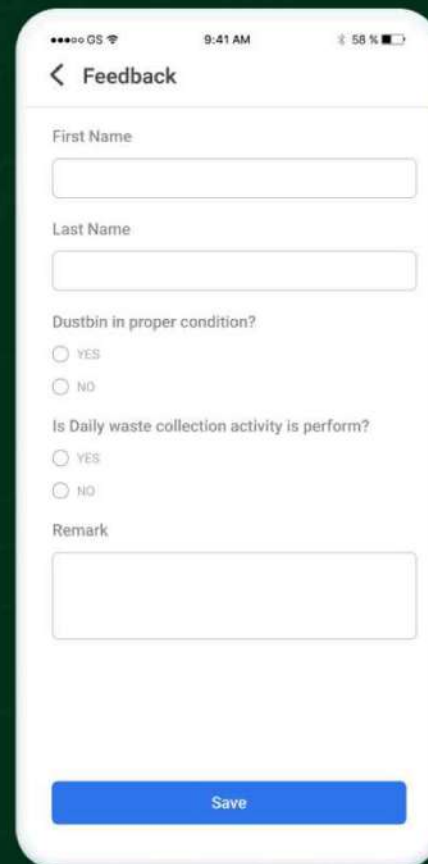
4 **Direct communication**

Citizens receive updates and alerts about actions taken to resolve their complaints.

BENEFIT

Ensures faster issue resolution, keeps citizens informed, and promotes active participation for a cleaner environment.

FEEDBACK MODULE

Feedback module empowers citizens to actively participate in waste management by sharing their experiences and suggestions. It ensures transparency and enables continuous improvement in services.

KEY INSIGHTS

1 Dynamic form generation

Citizens can provide feedback using forms customized based on the specific service type.

2 Flexible feedback frequency

Forms can be configured to be submitted daily, weekly, or monthly, ensuring consistent citizen engagement.

3 Actionable insights

Collected feedback is analyzed to identify patterns and implement timely improvements in waste management services.

4 Ease of use

Simple and intuitive interface makes it easy for citizens to share their input effectively.

BENEFIT

This feature enhances citizen engagement, fosters transparency, and ensures that waste management services are aligned with public needs.

Thank You

Email :- support@geometricsurvey.in
Contact :- 8824380059