metroSTOR®
Waste & Recycling Infrastructure

Innovations in Technology

Shape consumer disposal behavior – BEFORE it becomes a processing issue

Unlock the potential –
of any material that you're not collecting curbside

- Organics
- Glass
- Flex Plastics
- Batteries
- Textiles
- Items for Reuse

Recycling centers…?

How accessible are they?

How many residents visit regularly?

What are your staffing costs?

The problem with unstaffed locations…

- **Contamination**
- **Illegal Dumping**
- **Visual Impact**

1. Create Effective Drop-off Infrastructure

Highly visible and accessible containers where people regularly go

Select container depending on material and method of servicing

Community center, park, library, shopping mall, etc

ADA-compliant, design to discourage contamination

2. Create Engaged Drop-off Recycling Community…

Advertise drop-off locations

Educate, Train, Motivate & Reward

Accessible to everyone but with accountability needed to prevent misuse

Registration

Scan QR code

Create Account

Join Community with unique Username

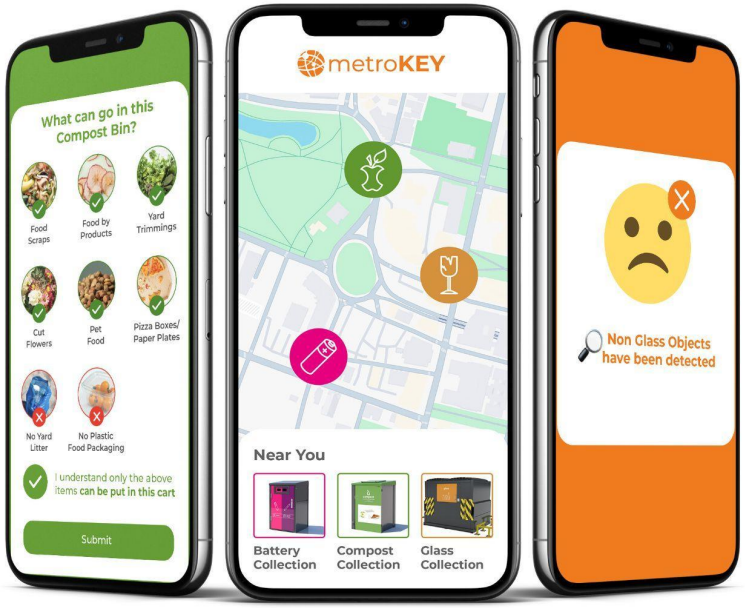
Education

Find available drop-off locations

Pop-ups for accepted/unacceptable materials

Feedback loop if contamination occurs

AI – identify material, confirm correct bin



Motivation

Get real-time feedback

Leaderboard to encourage social norms

Credit points/rebates in EPR/Bottle Bill States

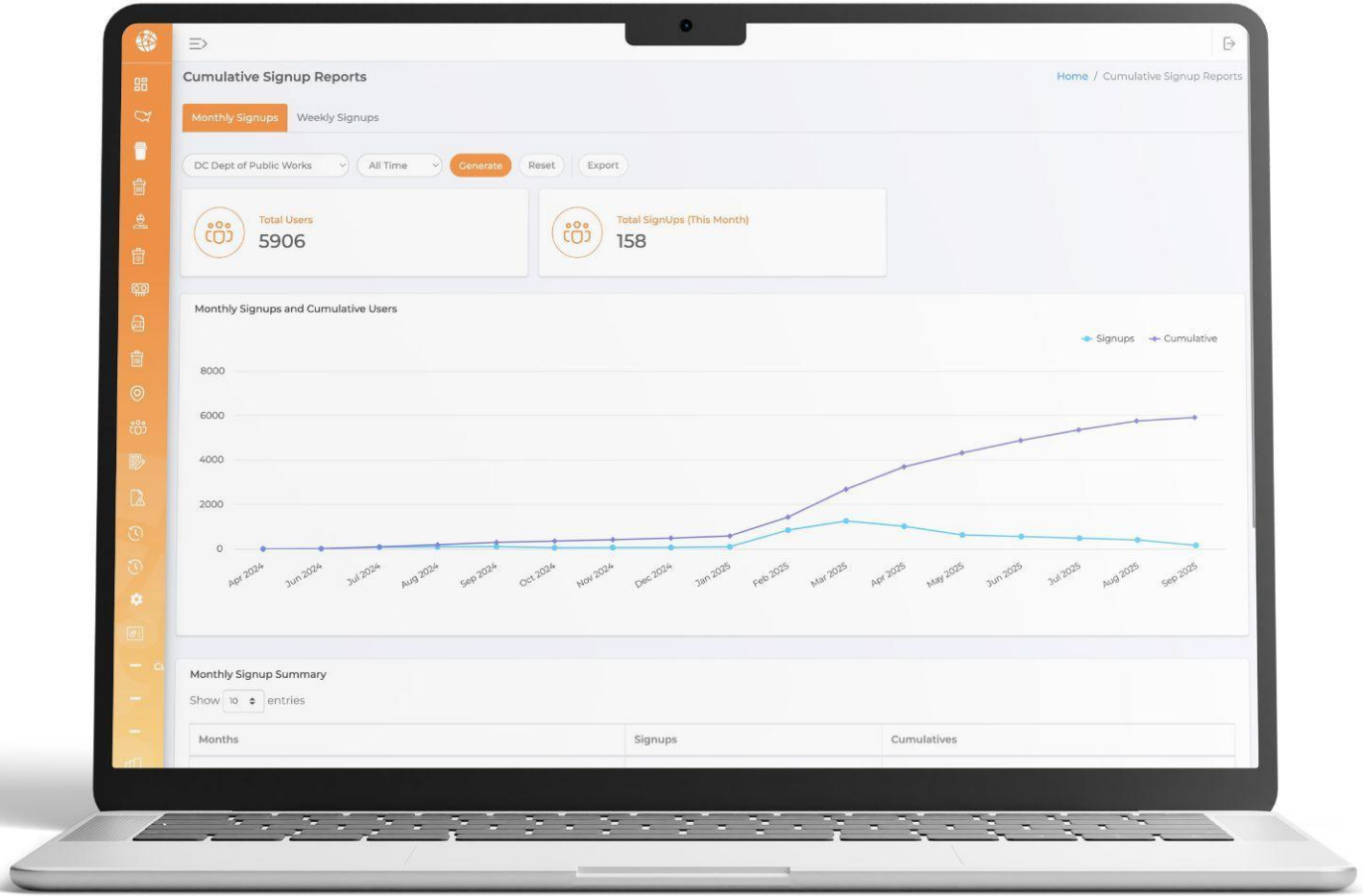
Case Study – DC Multifamily Organics

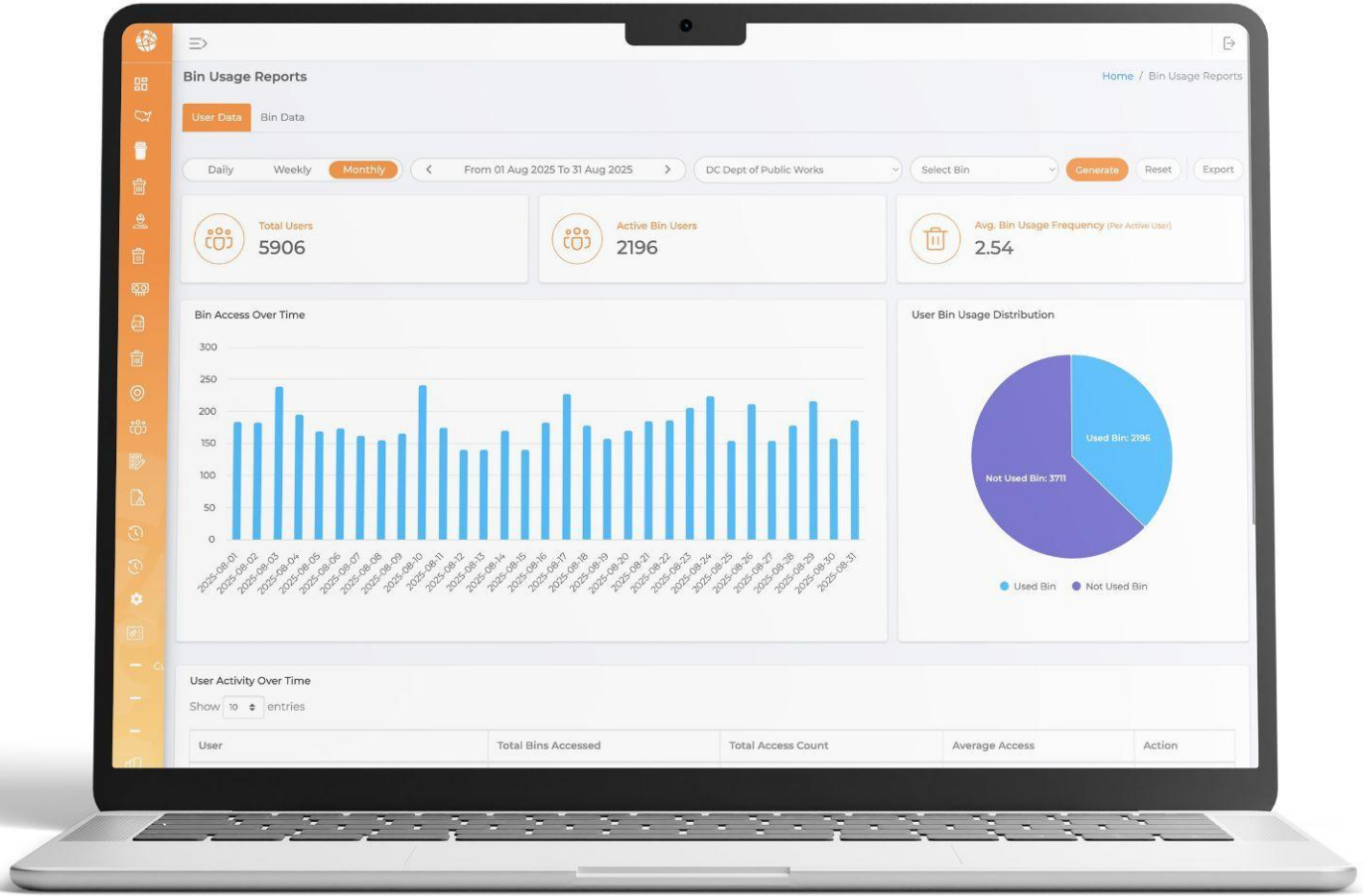
30 Drop-off Points

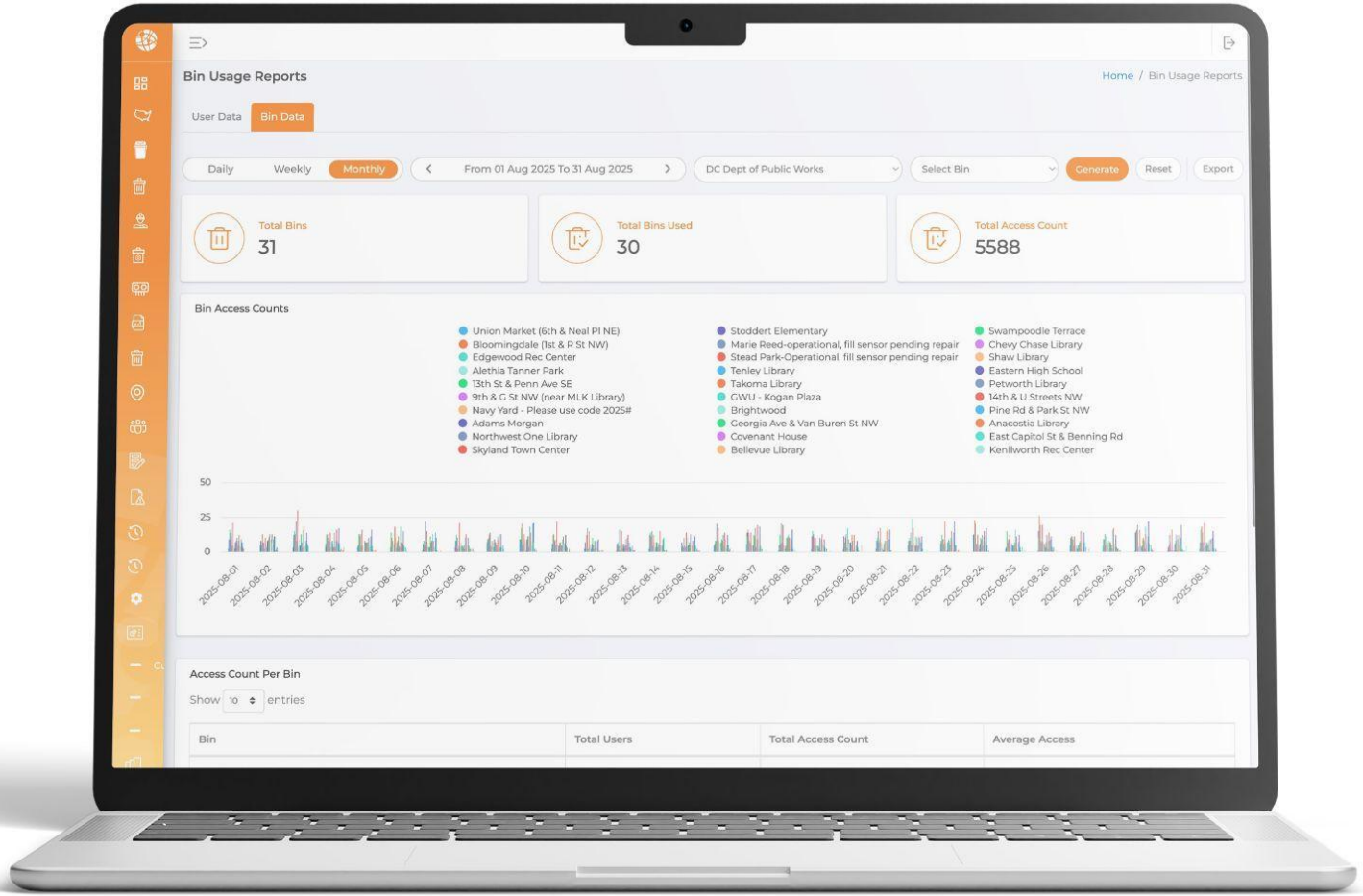
Launched February 2025

6000 registrations

Collecting 50,000 lbs/month clean food scraps


Cumulative Signup Reports
Home / Cumulative Signup Reports
Monthly Signups
Weekly Signups
DC Dept of Public Works
All Time
Generate
Reset
Export
Total Users
5906
Total SignUps (This Month)
158
Monthly Signups and Cumulative Users
Signups
Cumulative
8000
6000
4000
2000
0
Apr 2024
Jun 2024
Jul 2024
Aug 2024
Sep 2024
Oct 2024
Nov 2024
Dec 2024
Jan 2025
Feb 2025
Mar 2025
Apr 2025
May 2025
Jun 2025
Jul 2025
Aug 2025
Sep 2025
Monthly Signup Summary
Show 10 entries
Months
Signups
Cumulatives


Bin Usage Reports
Home / Bin Usage Reports
User Data
Bin Data
Daily
Weekly
Monthly
From 01 Aug 2025 To 31 Aug 2025
DC Dept of Public Works
Select Bin
Generate
Reset
Export
Total Users
5906
Active Bin Users
2196
Avg. Bin Usage Frequency (Per Active User)
2.54
Bin Access Over Time
300
250
200
150
100
50
0
User Bin Usage Distribution
Used Bin: 2196
Not Used Bin: 3711
Used Bin
Not Used Bin
User Activity Over Time
Show 10 entries
User
Total Bins Accessed
Total Access Count
Average Access
Action


Bin Usage Reports
Home / Bin Usage Reports
User Data
Bin Data
Daily
Weekly
Monthly
From 01 Aug 2025 To 31 Aug 2025
DC Dept of Public Works
Select Bin
Generate
Reset
Export
Total Bins
31
Total Bins Used
30
Total Access Count
5588
Bin Access Counts
Union Market (6th & Neal Pl NE)
Bloomingdale (1st & R St NW)
Edgewood Rec Center
Alethia Tanner Park
13th St & Penn Ave SE
9th & G St NW (near MLK Library)
Navy Yard - Please use code 2025#
Adams Morgan
Northwest One Library
Skyland Town Center
Stoddert Elementary
Marie Reed-operational, fill sensor pending repair
Stead Park-Operational, fill sensor pending repair
Tenley Library
Takoma Library
GWU - Kogan Plaza
Brightwood
Georgia Ave & Van Buren St NW
Covenant House
Bellevue Library
Swampoodle Terrace
Chevy Chase Library
Shaw Library
Eastern High School
Petworth Library
14th & U Streets NW
Pine Rd & Park St NW
Anacostia Library
East Capitol St & Benning Rd
Kenilworth Rec Center
50
25
0
2025-08-01
2025-08-02
2025-08-03
2025-08-04
2025-08-05
2025-08-06
2025-08-07
2025-08-08
2025-08-09
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2025-08-23
2025-08-24
2025-08-25
2025-08-26
2025-08-27
2025-08-28
2025-08-29
2025-08-30
2025-08-31
Access Count Per Bin
Show 10 entries
Bin
Total Users
Total Access Count
Average Access

Key Takeaways

How to collect clean streams of any material from every neighborhood

Provide an accessible but controlled deposit infrastructure

Create an engaged drop-off recycling community with Tech

metroSTOR®
Safer Neighbourhoods. Cleaner World

Reach out today to start your journey towards:

- increased waste diversion
- cleaner neighborhoods
- reduced trash costs

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