Trashly

Addressing Uneven Waste Distribution

Problem

Despite numerous waste collectors and organizations, significant waste remains unmanaged due to uneven distribution.

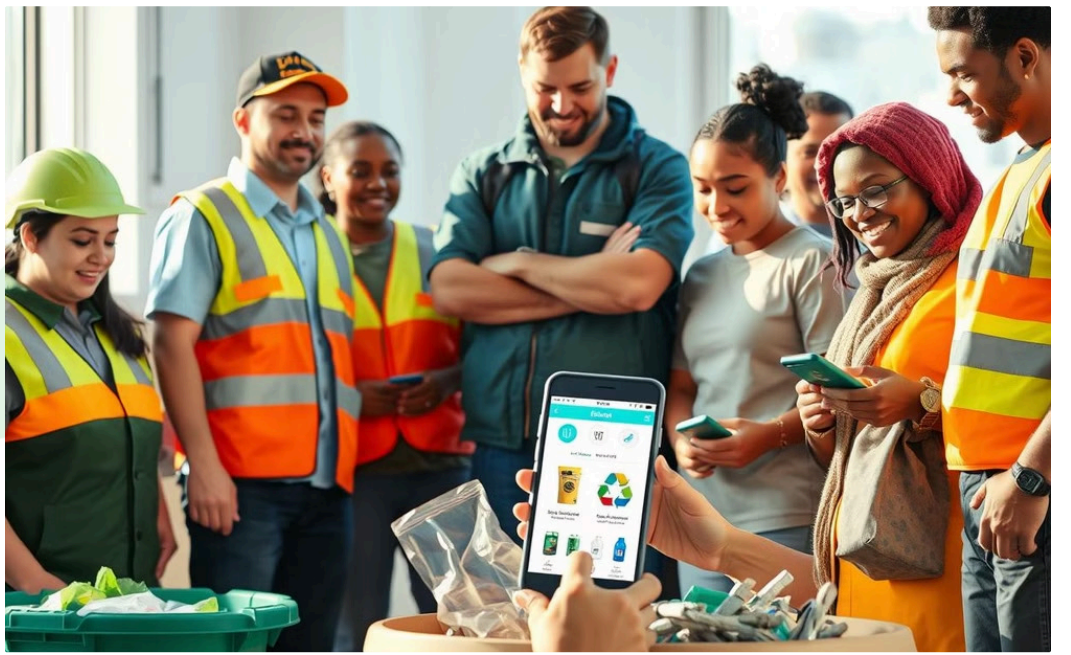
Solution

Use AI and maps to identify high-activity areas, optimizing recycling and waste management efforts.

5W 1H Methodology: What and Who

What? Interactive Waste Map

Visualizing waste distribution across different location types (restaurants, hospitals, hotels) to identify high-activity areas using ai.



Who? Key Stakeholders

Waste collection companies, municipalities, environmental agencies, and consumers all play crucial roles in effective waste management.

5W 1H Methodology: When & Where

When: Seasonal Markets

Peak waste generation during seasonal events.

When: Sports Tournaments

High waste from spectators and vendors.

When: School Events

Increased waste during school activities.

When:Community Events

produce High waste volumes like food scraps and packaging, needing efficient disposal.

Where: Streets & Public Spaces

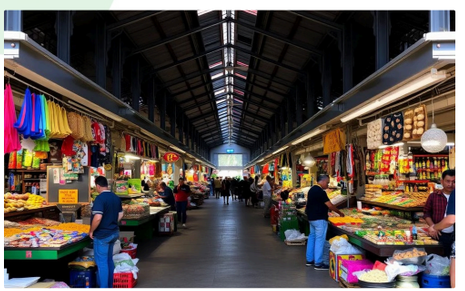
High concentrations of discarded waste.

Where: Restaurants

Significant food waste generation.

Where: Hospitals

Medical and other waste requiring special handling.



Where:Markets

Organic, packaging, and other waste types requiring efficient sorting and recycling solutions.

Why?

What distinguishes our project from other projects?

- Improving Waste Management and Reducing Environmental Pollution
- Directing Waste Collection Companies to Areas of Highest Need
- Using Interactive Maps to Identify Waste Accumulation Hotspots
- Providing Accurate and Efficient Data Collection for Waste Management

How:

By using maps, we identify the areas with the highest waste accumulation, allowing environmental companies to benefit from this information by collecting and sorting the waste.

Trashly Business Model

PROBLEM

- Accumulation of Waste in Crowded Areas
- Lack of Modern Technological Solutions
- Low Environmental Awareness
- Wasted Resources
- Inequality in Service Distribution
- Lack of Coordination Between Stakeholders
- Increased Carbon Emissions from Unorganized Collection Operations
- Difficulty in Predicting Waste Volumes

SOLUTION

- Cloud-Based Data Storage and Accessibility
- Awareness Campaigns
- Integration with Geospatial Data
- Recycling and Sustainability Initiatives
- AI-Powered Route Optimization
- Waste Tracking and Monitoring

VALUE PROPOSITIONS

- otimized Waste Collection
- Cost Savings
- Environmental Impact
- Real-Time Data Access
- Sustainability

TARGET AUDIENCE

- Waste Management Companies
- Municipalities and Local Governments
- Environmental Organizations
- Private Sector Businesses
- Urban Planners

Financial Summary

1.4M

Expenses

EGP

2.4M

Revenue

EGP

1M

Net Profit

EGP

Future Work

- **Platform Improvement:**
  - Enhance the user interface.
  - Add new features like high-pollution area prediction.
- **Partnerships:**
  - Partner with recycling companies.
  - Collaborate with government agencies for data access and environmental solutions.
- **Geographical Expansion:**
  - Target new cities for platform deployment.
  - Develop an international version of the platform.

THANK YOU