



**GUARANTEED
FAIR TRADE**



Hasiru Dala
INNOVATIONS



unwaste



Inclusive Circularity – For A Happier Earth



To create better livelihood and entrepreneurship opportunities for wastepickers, informal waste workers and micro waste entrepreneurs through inclusive businesses that enable the circular economy and help mitigate climate change.

Reduce, Reuse, Recycle

– Foundation Of Circular Economy

Enabling Organic Waste Circularity



Organic Waste to Bio-CNG Plant – a JV

WASTE GENERATION

Organic waste is generated at households, hotels, restaurants, campuses and offices

WASTE COLLECTION

- Segregated waste is collected by waste picker franchisees from bulk generators.
- Guaranteed availability of quality feedstock throughout the year

SUSTAINABLE IMPACTS 
Actualizing SDGs

Production to Consumption of Bio-CNG & Organic Fertilizers

PRODUCTION

- Waste undergoes anaerobic digestion to produce methane and organic slurry.
- The gas is purified, compressed & bottled into Carbonlites Bio-CNG.
- The slurry is treated to produce Carbonlites Organic fertilizers.

DISTRIBUTION

Commercial Viability Ensured through Predictable Sales of:

- Bio-CNG to restaurants.
- Organic Fertilizer to farmers.

CONSUMPTION

- Carbonlites Bio-CNG displaces LPG in restaurants and diesel in vehicles.
- Carbonlites Organic Fertilizer is used in organic farming.



SUSTAINABLE IMPACTS 
Actualizing SDGs

Bottles to Social Buttons



HDI Procures Post Consumer PET Bottles from HDI WPF, DWCC and Scrap Dealers



PET Flakes are converted into resin and button mfg uses in making buttons



HDI Segregates PET into different grades

Clear PET Bottles are converted to Flakes and supplied to PET Resin maker



Buttons supplied to H&M and used in H&M Apparel

Note:

All H&M Group apparel Made in India and sold globally are now using buttons with 30% recycled PET made from fair-trade plastic waste sourced exclusively from HDI

HDI WPF : Hasiru Dala Innovations Waste Picker Franchisee
DWCC: Dry Waste Collection Center

PET Plastic Waste Circularity

Post-Consumption Recycling of Milk Covers into Garbage Bags



Cofresco



HDI Segregates Milk cover by removing Oil Covers, Rejects etc at Aggregation Centre



Granules sent to Europe where It is recycled to Garbage bags and sold

HDI Procures Post Consumer Milk Covers from HDI WPF, DWCC and Scrap Dealers



HDI Packs and transports Milk Covers to Vishuddh Recycling

Vishuddh Grinds, washes and makes granules



Vishudhh Recycling is a subsidiary of Cofresco/Melitta Group

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LDPE Plastic Waste Circularity

Blockchain-based Traceability Solution – SATMA CE

We are currently deploying SATMA CE
– **Scan and Track Material Application** –
To create a **Circular Economy**

The Software can provide traceability
from the Point of collection of waste to
the point of manufacture of products

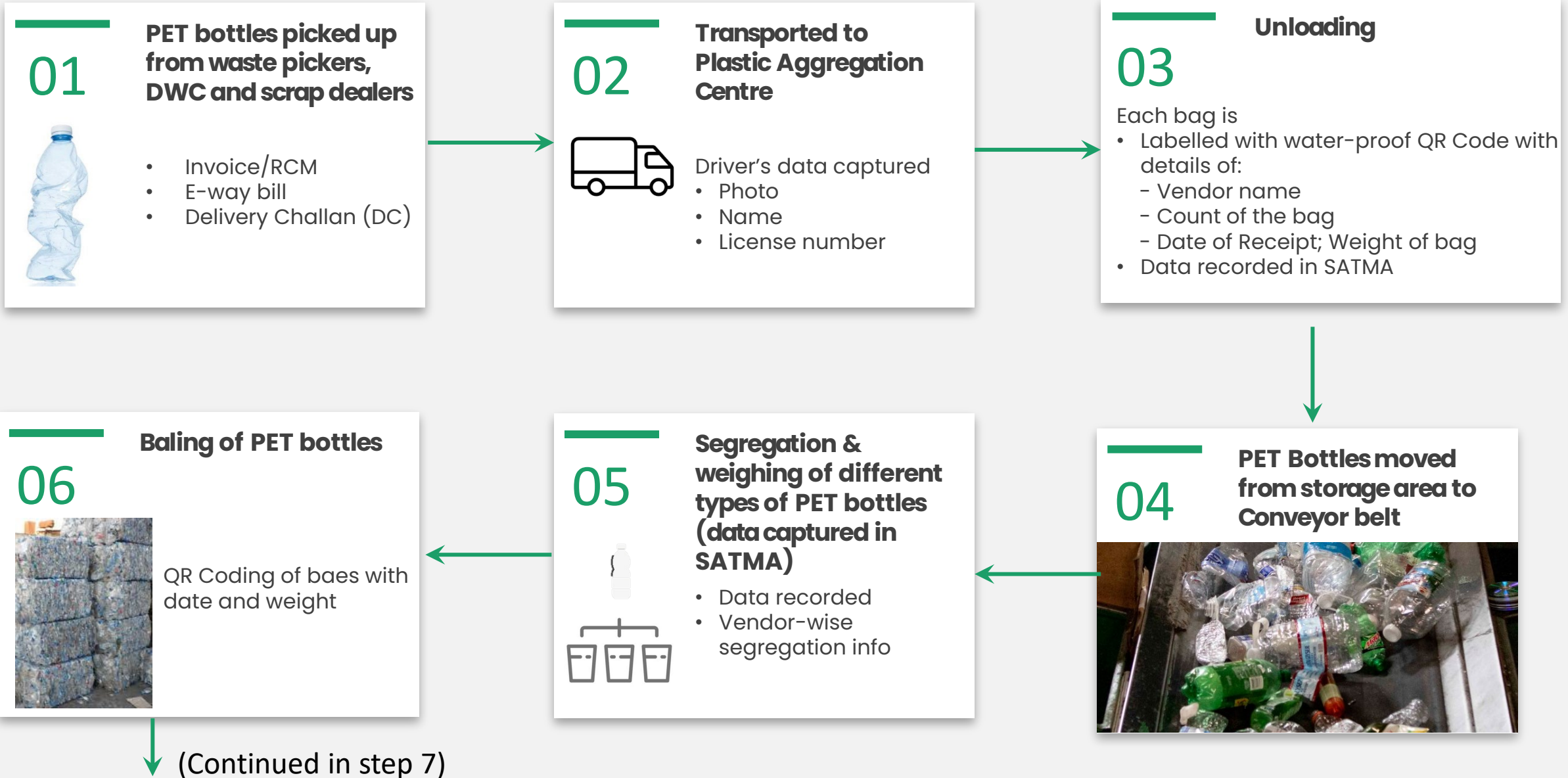
The blockchain enabled software helps
in the following:

- Proof Of Chain of Custody
- Live QC Checks
- Data Management and Reporting
- Managing Inventory
- Strong Vendor Database
- GPS Tracking in the future

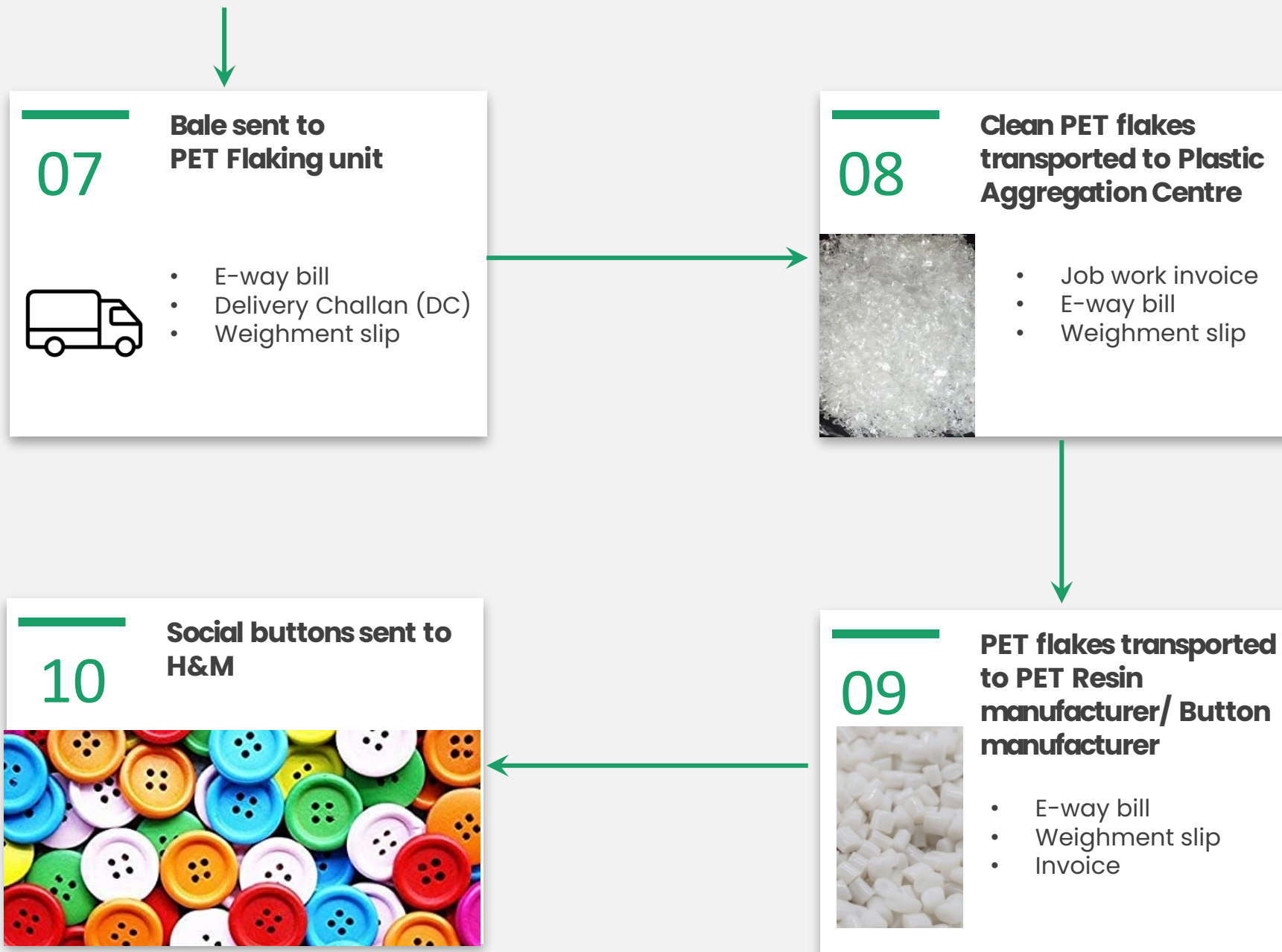


Technology Enablement

TRACEABILITY ACROSS THE VALUE CHAIN



...continued
SATMA
Traceability



Plastic Reduction

through Refills of Home Care Products

- Co-branded launch in Bangalore
- Chemical-free home care products from 10+ Sustainability-oriented Brands
- Convenience of ordering from the website & phone
- Community awareness on plastic reduction through Refill Truck Demos in residential societies.
- Customer Base – **500+ Households in 4 months**



REUSE | REFILL | REDUCE



Convenient
Availability
Online



Products in
reusable smart
packaging



Affordable
Pricing

Services for Recycling of Used Sanitary Napkins



Installation of Vending
Machines on Office
Campuses



Installation of
dedicated Sanitary
Napkin Bins



Scheduling Service
Dates & Collection of
Used Pads

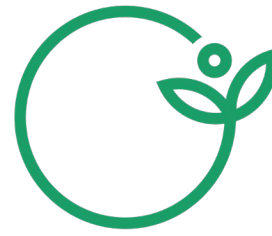


Recycling of Pads into
Cellulose and Mixed
Plastic by Padcare



Transportation of Used Pads
from all locations to Storage
Facility & sent periodically to
Pune

Sanitary Waste Circularity



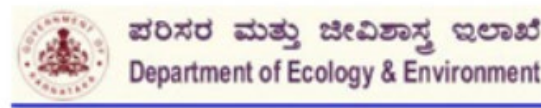
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Thank you.

RECOGNIZED BY



Business Verticals



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Total Waste Management

End-to-end service
for all Municipal Solid
Waste
Revenue Model:
Annual Subscription

Event Waste Management

Waste Management &
Housekeeping Services
Revenue Model: Contracts

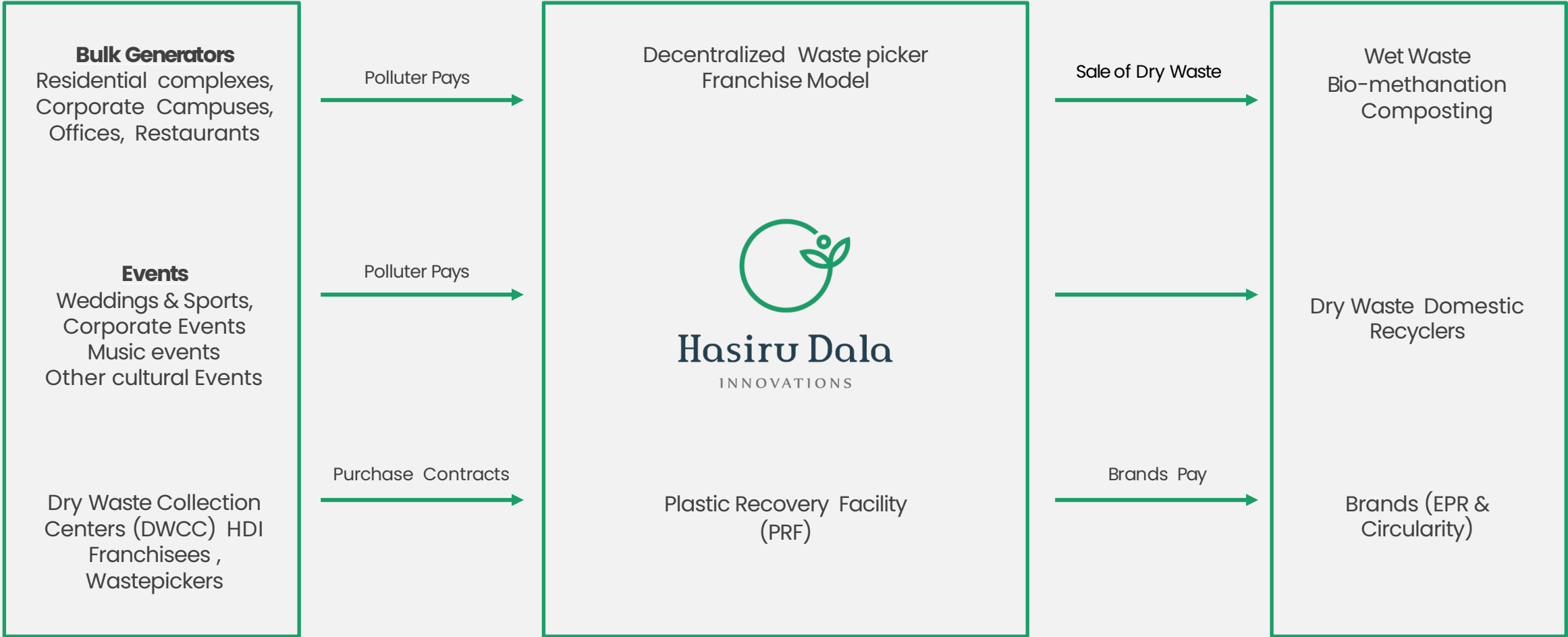
Plastics Recovery Services

Aggregation and Value
Recovery of Plastics
Revenue Model:
Sale of Plastic

An asset-light, tech-enabled and data-driven platform to leverage stakeholders and unlock value from waste.

Source

Destination



Value proposition

