

## **Make the responsible choice easy**

**A dead toothbrush battery. Old paint in the garage.  
Acetone for removing nail polish.**

For these hazardous items, neither household bin is the right choice.

**Are we making it easy enough  
for people to do the right thing?**

Where is the truck?  
Where is the hub?  
Can I find it in 30 seconds?

**Convenience drives behaviour.**

**Change starts with one person. A small start is better than no start.**

# What practical interventions will improve municipal waste management in Gauteng?



**Reliable collection. Easier recycling. Less waste to landfill.**

**16.3 million**

people in Gauteng

About 1 in 4 South Africans

**6.26 million**

tonnes of waste a year

Organiser estimate

**11%**

of waste recycled

Organiser estimate

**Under 5%**

of organic waste diverted

Organiser estimate

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# Reliable collection needs a recovery plan

**83.1%**

Gauteng households with refuse removal, weekly or less often  
2025 service-access measure, not on-time collection

Source: [Stats SA, General Household Survey 2025](#), Table 12.1, p. 49

## Truck tracking

Use the operator's existing GPS and route records.

## Live bin units

Cellular bin events link lifts to registered service points.

## Operations report

Compare scheduled bins with verified lifts and missed service.

## Route efficiency

Compare lifts, load weights and route time against the baseline.

## 664 tonnes removed from the Jukskei waterway

Source: [City of Johannesburg, SUNCASA report](#), 27 August 2026.

Project clean-up outcome reported at closure, not annual waste generation.

System examples: [Digital Matter](#) and Teltonika. Proposed integration and collection-detection rules require testing.

# Two household bins. Sort recyclables at the hub.

**10.6%** of Gauteng households separated recycling in 2025.

Source: [Stats SA, General Household Survey 2025](#), Figure 12.4, p. 51

Keep recycling together—not mixed with general waste.



## Household bin guide — proposed municipal system

|                                       |                                                    |                                   |                                     |
|---------------------------------------|----------------------------------------------------|-----------------------------------|-------------------------------------|
| <b>GREEN BIN</b><br>Mixed recyclables | <b>Bottles, cardboard, plastics, cartons, cans</b> | <b>BLACK BIN</b><br>General waste | <b>Contaminated household waste</b> |
|---------------------------------------|----------------------------------------------------|-----------------------------------|-------------------------------------|

Hazardous waste stays separate: batteries, chemicals and e-waste.  
Log it on the website; contact a listed specialist collector.

# Operations Hub Link: two bins, six clear steps

Keep household sorting simple: collect the two bins separately, then recover value only from the green stream.

## 01 / SEGREGATE AT HOME



GREEN: mixed bottles, cardboard, plastics, cartons and cans.  
BLACK: contaminated general waste.

## 02 / SEPARATE COLLECTION



Collect green and black bins separately. Never combine the two loads.

## 03 / GREEN HUB SORTING



Weigh and sort green-bin material; accept eligible local drop-offs.

## FROM HUB: SUITABLE GREEN-STREAM MATERIALS

## 04 / REPURPOSING



Reuse or upcycle suitable materials recovered at the hub.

## 05 / RECYCLING



Send separated recoverables to recycling buyers and processors.

## 06 / LANDFILL



Black-bin waste and unrecoverable hub rejects go to an approved site.

At the hub: picker jobs and a municipality-set fair rate per accepted kg. Hazardous waste: neither bin; separate specialist route.

Proposed model · Illustrative photos, not images of Operations Hub Link sites · Photo sources and context in presenter notes.

# Municipal hubs: more work, less dumping

Proposal: a central mixed-recycling hub in every municipality.



Ward 70 Councillor Marika Kruger Muller. Photo: Supplied / Rekord.

## The concern raised

The concern described: sorting beside a river can leave rejected waste unmanaged. A staffed hub provides a place to sort, recover materials and remove rejects.

Photo supplied by user from Rekord, 23 September 2026. Hub model is a proposal; funding, rates and buyers must be agreed.

## More work for local pickers

Create collection and sorting opportunities, with training and safer working conditions.

## Bring mixed recycling. Get paid.

Residents and pickers deliver together. Pay a fair municipal rate per accepted kilogram.

## Sort at the hub—not at home

Weigh loads, recover recyclables and send rejected waste to approved disposal—not the river.



# Online updates — no login needed

Proposed page: service updates, waste reports and collector contacts.

LATEST ANNOUNCEMENTS



[Home](#)[Services](#)[Online updates](#)[Help / FAQs](#)[Account login](#)

## Online updates

Public access · No login required

Centurion

Show updates

### Latest updates for Centurion

Last updated 10:20

#### Collection delayed · Truck breakdown

Two streets still waiting. Next update: 11:00.

#### Collection progress · sample update

### 920 of 1,000 bins collected (92%)

30 missed (3%) · 40 not put out (4%)  
10 still to check (1%) · Missed bins assigned for collection  
Recycling: 9 & 23 October 2026



Centurion area map · Source: SA-Venues.com

#### Illegal dumping · example report

Location: Centurion · Site A  
Roadside beside a stormwater drain  
**Team assigned · Clearance not yet verified**

[Report dumping / hazardous waste](#) | [Find collection partners](#) | [Track a report](#)

# Clear roles turn the proposal into delivery

Existing systems. Clear work instructions. A municipality that checks delivery.

## Technology partners

Track fleet/asset tracking and existing operator portals.  
Link service updates to the public website and collection calendar.

## Collection operator

Collect and record bins served or missed. Return for missed bins.  
Operations checks the report and updates the portal.

## Hub operator

Weigh mixed recyclables; pay for accepted kilograms.  
Employ and train pickers to sort; record all outgoing loads.

## Municipality

Set and publish a fair mixed-recycling rate per kilogram.  
Fund the service, check delivery and manage compliance.

## Recycling example: Packa-Ching, South Africa, 2024

**8,828 tonnes of recyclables collected     R12 million paid to communities**

Reported national results. Pilot targets must follow the local baseline and budget.

**Start with one route and one hub. Review after 90 operating days.**

# Operations Hub Link

Municipality leads. Province supports. Industry delivers.

## **First 30 days** **Make a plan**

Municipality: name a lead; choose one route and hub.  
Agree buyers, funding and a fair mixed-recycling rate/kg.

## **Before starting** **Agree the job**

Procurement team: agree contracts, costs and targets.  
Set delivery checks, payment rules and failure remedies.

## **Before starting** **Train the team**

Operators: train crews, local pickers and supervisors.  
Test two-bin collection; confirm approved waste routes.

## **First 90 days\*** **Check results**

Municipal manager: check results every month.  
Confirm work before payment. Fix what is not working.

## **One shared view of progress**

**Bins collected | Missed bins collected later | Dumping cleared**

Track waste recycled, recovered or disposed of—and the cost per tonne.

**Choose the route. Fund the hub. Review before expanding.**

Concept only. \*90 operating days after launch. Start depends on funding, contracts and approvals.

# Thank you

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