



WASTE INDABA

30 Sept 2026



Mogale City

Local Municipality
The City of Human Origin

Introduction

From Service Stabilisation to System Transformation

1. Protect and Strengthen What Works

Safeguard reliable Waste Collection, Area Cleaning, Enforcement and Regulatory control while continuously improving service performance.

2. Build the Next-Generation Waste Management Systems

Complete integrated planning, establish credible baselines, identify and screen suitable sites, and develop investment-ready business cases.

3. Mobilise Partnerships for Delivery

Align the MCLM (municipality), producer responsibility organisations, industry, communities and development finance institutions around shared priorities and measurable results.



Integrated Waste Management

Mogale City Local Municipality is committed to building a comprehensive and sustainable waste management system that serves all residents – from formal Townships/settlements to informal communities. Our programs combine education, infrastructure, community mobilisation, and strategic partnerships to drive meaningful environmental outcomes.

Strengths

- Zero Waste Collection Backlogs since 2023
- Diversified/Hybrid Waste Collection System
- Active bylaw enforcement
- Strategic PRO partnerships

Gaps

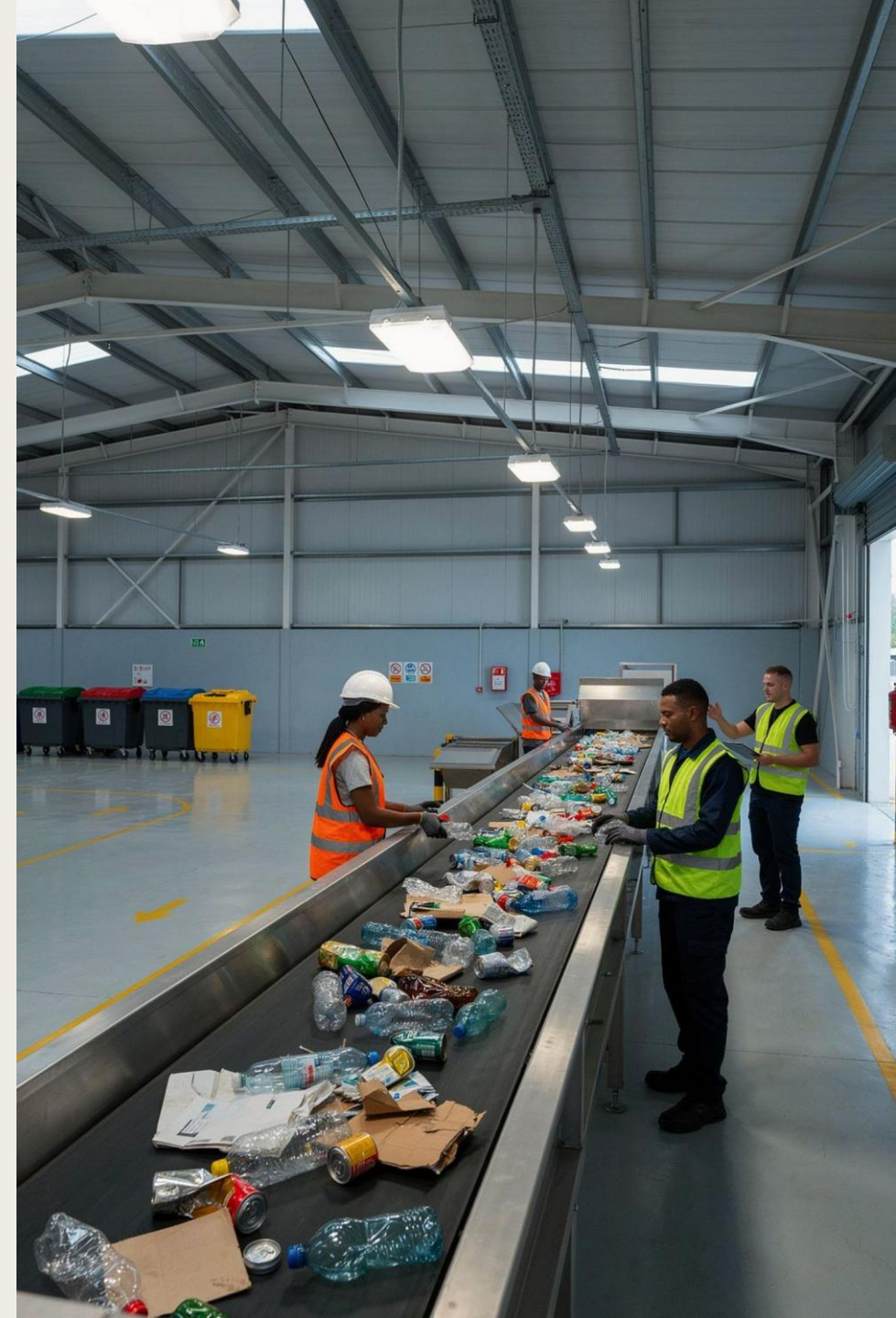
- Limited waste handling/treatment facilities/infrastructure
- Insufficient earthmoving equipment
- Land constraints for new facilities

Challenges

- Illegal dumping
- Informal settlement service delivery
- Diminishing Landfill Airspace
- Funding and Resource Mobilization shortfalls

Opportunities

- Development of Integrated Waste Management Facilities
- Developing a network of Waste Handling/Treatment Facilities throughout MCLM (MRFs/Buyback Centres)
- Waste-to-energy potential
- Scale Up Green Economy Partnerships (to support – Co-investments and Profit Sharing Circular economy Initiatives)



Waste Disposal & Handling Facilities in MCLM

Mogale City Local Municipality maintains a network of waste disposal and handling facilities at various stages of development and operation. Each site plays a distinct role in the municipality's integrated approach to waste management, from active treatment to decommissioned rehabilitation.

Luipaardsvlei Landfill Site

Currently undergoing a comprehensive facelift to be transformed into a modern **integrated waste treatment facility**, incorporating MRF and composting infrastructure via a Profit Sharing Model with Private Sector.

Magaliesburg Transfer Sorting Station

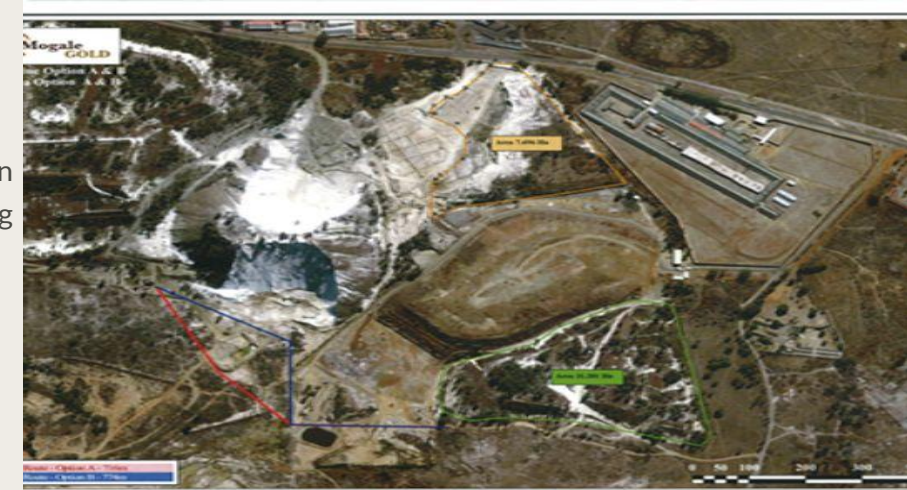
Operating in **good working condition**, serving as a critical node for waste sorting and transfer across the region. In Collaboration with Algo@Work

Magaliesburg Landfill

Successfully **rehabilitated and decommissioned** in compliance with environmental standards, closing out its operational lifecycle responsibly.

Azaadville Drop-Off Facility

Currently being **considered for development** in the next financial year, expanding community access to waste drop-off services. Possible Collaboration with PROs



Luipaardsvlei: Transformation Strategy

With airspace exhausted, Luipaardsvlei is undergoing a strategic overhaul. An aggressive, multi-layered intervention program is addressing longstanding infrastructure deficits while positioning the site for its next chapter as a modern, integrated waste treatment facility.

Infrastructure Upgrades

- Installation of a borehole network system for leachate and groundwater management
- Modern hi-tech weighbridge installation for improved load monitoring
- Enhanced security investment across the site
- Full renovation of the office complex

Transformation into Integrated Facility

- Construction of a Materials Recovery Facility (MRF) to enable large-scale recycling
- Development of compost plant facilities to process organic waste streams
- Positioning the site as the municipality's primary integrated waste treatment hub

📄 This is a twofold intervention: immediate infrastructure stabilization coupled with long-term facility transformation.

Waste Collection in Mogale City

Mogale City operates a **robust hybrid waste collection model** that blends in-house municipal waste collection services with contracted service providers and licensed private waste transporters. This integrated approach has delivered commendable results — most notably, the complete **elimination of waste collection backlogs since 2023**.

In-House Round Collection

Municipal teams conduct scheduled residential collection, providing direct oversight and accountability over service delivery standards.

Contracted Services

External contractors supplement municipal capacity. The June 2026 onboarding of a new contractor was seamless, enabled by thorough planning and systematic contract management.

Licensed Private Transporters

Private waste transporters are formally licensed and regulated by the municipality, ensuring accountability and environmental compliance across the full collection ecosystem.



Bulk Container Services & Informal Settlement Pilot

Bulk Container Services

Mogale City provides weekly bulk container services to businesses, hospitals, and informal settlements. This ensures that communities outside the formal collection grid receive consistent, dignified waste removal services.

Video Informal Settlement Pilot Project

Launched in July 2026, this pilot is based on **comprehensive area cleaning** anchored by waste minimization through resource mobilization from strategic partners including **PETCO, POLYCO, Matongoni, and ARO**. Additional partners anticipated to join include GDEnv, Gauteng Department of Transport, DFFE, and Producer Responsibility Organizations (PROs).

- The pilot demonstrates a replicable model for multi-stakeholder collaboration in informal settlement waste management — a blueprint for scaling across Mogale City.

Illegal Dumping Cleanup Operations

Municipal environmental officers and community teams conduct active cleanup campaigns across Mogale City, targeting illegal dumping hotspots, including Rietvallei and the Duma Maisha area in Krugersdorp. These operations involve hands-on collection, bagging, and removal of waste from open sites, roadsides, and residential areas — restoring dignity to affected communities.



Pilot Project Intervention Measures

The Video informal settlement pilot project, located adjacent to the well-known Plot 230, represents Mogale City's most comprehensive community-based environmental intervention to date. The model is deliberately multi-dimensional, ensuring sustained impact rather than once-off cleanup events.

1 Daily Litter Picking

Coordinated daily presence of community workers and partners ensures continuous maintenance of cleanliness standards within the settlement.

2 Weekly Illegal Dumping Monitoring

Regular surveillance and monitoring of known illegal dumping sites deters recurrence and supports early intervention.

3 Sustained Education & Awareness

Ongoing community engagement builds behavioral change and fosters shared responsibility for environmental health.

4 Area Cleaning Scale-Up

Expansion to broader area cleaning is scheduled for **October/November 2026**, aimed at improving overall cleanliness standards across Mogale City.

Waste Diversion: Community & Partnership Programs

Since 2023, Mogale City's waste diversion program has significantly expanded its footprint in communities, schools, and the business sector. The strategy relies heavily on **mobilizing strategic partnerships** governed through formal Memoranda of Understanding (MOUs).



Strategic Partners Active in MC

PETCO, NCPC, EWASA, POLYCO, ARO, Matongoni, Fibre Circle, Plastic SA, Algo@work, UNISA, UJ, and TUT — each contributing specialized programs across the municipality.



Waste Picker Integration

Waste pickers are formally integrated into the system and provided with essential support including PPE, transport assistance, and operational resources — recognizing their vital role in the diversion economy.



BBC Licensing & Integration

Buy-Back Centers (BBCs) are licensed and formally integrated into the municipal waste management ecosystem, creating structured economic incentives for material recovery.

50 Luipaardsvlei reclaimers receive certificates and safer gear

This week marked a week of celebration and new beginnings as 50 dedicated reclaimers from the Luipaardsvlei Landfill were honoured for completing a life-changing training programme aimed at growing their recycling businesses and creating brighter futures.

The initiative, led by the Department of Integrated Environmental Management (DIEM) in partnership with the Extended Producer Responsibility for Waste Association of South Africa (eWASA), provided reclaimers with valuable skills during training held in January 2026. Participants learned how to formalise and expand their recycling businesses, improve workplace safety, and access funding opportunities to support their entrepreneurial journeys.

Armed with new knowledge and confidence, these reclaimers are now better equipped to grow their businesses beyond the landfill and make an even greater contribution to a cleaner, greener city. The milestone was celebrated on 10 July 2026, when reclaimers proudly received their training certificates and personal protective equipment (PPE) during a special handover ceremony. The ceremony marked not only the successful completion of the training programme but also the beginning of exciting new opportunities for the reclaimers as they continue to play a vital role in driving the circular economy and keeping communities clean.



WASTE WITH WORTH: MOGALE CITY BACKS RECLAIMERS TO STEP UP THEIR GAME

Mogale City is redefining waste from a burden to a gateway to opportunity and dignity. Through a series of empowering workshops, the municipality's Department of Integrated Waste Management is helping local reclaimers transform their working conditions and livelihoods.

On 31 July 2025, 200 reclaimers from Kagiso officially registered with the African Reclaimers Organisation (ARO) via

the South African Waste Pickers Registration System (SAWPRS). This milestone unlocks access to a funeral cover, banking services, branded PPE, transport support, and fair pricing for recyclables - plus formal recognition in the national recycling sector.

Backed by sponsors like the Coca-Cola Foundation and supported by eWASA, ARO is building a network of reclaimers across Mogale City's landfills. The momentum continued

on 21 August at Kagiso Centre, where reclaimers received training in composting, recycling, and green entrepreneurship from partners comprising Tiger Brands, EnvironNEO, UNICA, Plastic Moulders, and Fibre Circles.

These efforts go beyond clean-up; they are about economic inclusion and environmental justice. In this, Mogale City is proving that reclaimers aren't just cleaning up but are also stepping up.



KAGISO UNITES FOR A GREENER TOMORROW

Illegal dumping continues to plague parts of Mogale City, especially in townships, informal settlements, and rural zones. But in Kagiso, the community is pushing back with purpose and passion.

At the Family Revival Life Ministry, residents gathered for an insightful Community Environmental Education and Awareness Workshop, hosted by Mogale City's Department of Integrated Environmental Management. The mission? To spark a movement against illegal dumping and inspire everyday action toward

cleaner, safer communities.

City officials and environmental advocates brought fresh ideas and bold challenges. Seani Mabila from Parks Management unveiled the "Adopt a Park" initiative, calling on locals to reclaim public spaces and transform them into pride-worthy green zones.

UNISA's Professor Chitakara reframed recycling as a smart, sustainable choice and not a chore, leaving behind a strong message that waste isn't worthless but rather a potential waiting to be

unlocked.

Backed by the Cradle of Humankind World Heritage Site, UNISA, and the Gauteng Department of Environment, the event underscored a shared truth: environmental stewardship starts at home.

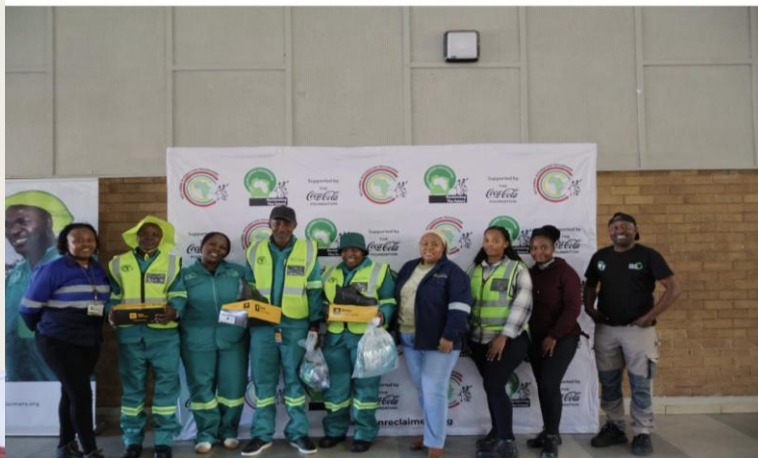
Mogale City is committed to nurturing eco-conscious communities and Kagiso is leading the change – that's one clean-up, one conversation, and one park at a time.



Fibre Circle

1mo •

Safety, dignity and recognition is what matters most the people who keep our recycling economy moving. Fibre Circle has made continued efforts to support the waste pickers of South...more



eWASA (EPR Waste Association of South...

2mo •

Today, we joined Mogale City at the Luipaardsvlei Landfill to hand over training certificates and personal protective equipment to waste pickers.

The handover recognised participants who completed their training and provided practical support for safer working conditions. Waste pickers play a critical role in collecting and recovering valuable materials, and continued investment in their skills, safety and inclusion strengthens the wider recycling value chain.

Through initiatives like this, we continue to support capacity building, dignified participation and a more inclusive circular economy.

#eWASA #WastePickers #MogaleCity #CircularEconomy



Petco Producer Responsibility Organisati...

5mo • Edited •

We recently hosted an on-site recycling workshop at **Mogale City Local Municipality** MRF, combined with a targeted promotion around liquid board packaging (LBP)....more



Strategic Partners Driving Waste Diversion



A strong coalition of Producer Responsibility Organisations (PROs) and industry partners is actively supporting Mogale City's waste minimisation and diversion programs. These organisations bring funding, expertise, equipment, and community networks that significantly amplify the municipality's own capacity. Formal MOUs govern each partnership, ensuring accountability and sustained delivery.

PETCO

Supporting PET plastic recycling initiatives and waste picker integration across the municipality.

Fibre Cycle

Facilitating paper and cardboard recovery, diverting significant volumes from landfill disposal.

POLYCO

Driving community education on plastic recycling, providing materials, and school engagement programs.

Matongoni & ARO

Contributing to multi-material recovery and supporting operational waste diversion programs across MC.



Bylaw Enforcement: Education & Community Awareness

Enforcement alone is not sufficient — lasting behavioral change requires education. Mogale City conducts **regular and targeted community education sessions** alongside its enforcement activities, ensuring that residents understand their rights, responsibilities, and the environmental consequences of illegal dumping and littering. Schools have also been prioritized as key venues for early environmental education.

Community Engagement

- Targeted community gathering sessions conducted on a regular basis
- Messaging tailored to local contexts and identified problem areas
- Coordinated with enforcement operations for maximum impact



School-Based Programs

- Education and awareness campaigns delivered directly in schools
- Partnerships with organisations like POLYCO to bring engaging, child-friendly content
- Building a generation of environmentally responsible citizens



Bylaw Enforcement Unit

Mogale City established a dedicated **bylaw enforcement unit** this year, equipped with the Environmental Management Bylaw promulgated in 2023. Fine determinations have been formally promulgated by two district magistrates, giving the unit full legal authority to act decisively against environmental offenders.

Unit Capabilities

- Trained and highly skilled Green Officers (Environmental Management Inspectors)
- Equipped with vehicles, cameras, and specialist inspection tools
- Empowered to issue fines, impound vehicles, and enforce remediation

Enforcement in Action

In a landmark case, an offender was fined **R14,000**, had their vehicle impounded, and was required to personally clean the area of faecal contamination — sending a clear deterrent message to would-be violators.





FUNDING & CHALLENGES

Waste Challenges & Potential Funders

Mogale City faces critical infrastructure and operational gaps that require targeted external funding support. The municipality has identified specific needs aligned with potential funders across government and industry, creating a clear investment framework for waste sector partners.

⚠️ Key Challenges

Waste Treatment Gap

No MRF or compost plant in operation to divert waste from landfill.

Land Scarcity

No available municipal land for siting new waste treatment facilities.

Waste Picker Support

Transport and national system registration gaps leave pickers unsupported.

Equipment Shortage

Insufficient heavy machinery for effective landfill and site operations.

💰 Potential Funders

PROs

PETCO, POLYCO, EWASA, ARO — funding MRFs and waste picker support programmes.

DFFE

National environmental funding for EPWP programmes and waste infrastructure.

GDEnv

Provincial land release for new facilities and equipment grants to municipalities.

EPWP

Expanded public works programme providing human resource capacity for waste services.

Waste Challenges & Priority Projects

Looking ahead, Mogale City has defined a set of high-priority projects that will determine the trajectory of its waste management performance in the coming financial years. These priorities require coordinated funding, political support, and sustained partnership engagement.

→ Integrated Waste Processing Facilities

Secure funding for and complete the development of integrated waste processing and treatment facilities at Luipaardsvlei and other identified sites across MC – the cornerstone of long-term waste infrastructure.

→ Area Cleaning Scaling Up/Roll-out

Take area cleaning to the next level by expanding coverage and intensity, raising the overall standard of cleanliness across the entire municipality, not just pilot zones.

→ Video Pilot Project Sustainability

Sustain and formalize the Video informal settlement pilot through long-term partnership commitments from GDEnv, DFFE, and PROs – ensuring the model endures beyond the pilot phase.

→ EPWP Participant Expansion

Secure additional DFFE and GDEnv EPWP participants to meaningfully boost the municipality's human resource capacity for waste management and environmental maintenance operations.

Innovation & Future Opportunities

Mogale City is positioning itself at the forefront of sustainable waste management innovation in the West Rand. By leveraging technology, green economy principles, and strategic partnerships, the municipality is building a future-ready waste ecosystem.



Waste-to-Energy (WtE) Potential

Luipaardsvlei's landfill IWMF presents a viable opportunity for energy generation. Partnering with private sector energy developers could convert waste into a revenue-generating asset while reducing greenhouse gas emissions.



Material Recovery Facility (MRF)

Establishing a dedicated MRF (Network of MRFs) will enable systematic separation and processing of recyclables at scale, dramatically increasing diversion rates and creating green jobs for waste pickers and community members.



Smart Waste Monitoring

Deploying IoT-enabled bin sensors, GPS-tracked collection vehicles, and a digital reporting dashboard will optimize routes, reduce costs, and enable real-time performance monitoring across all service zones.



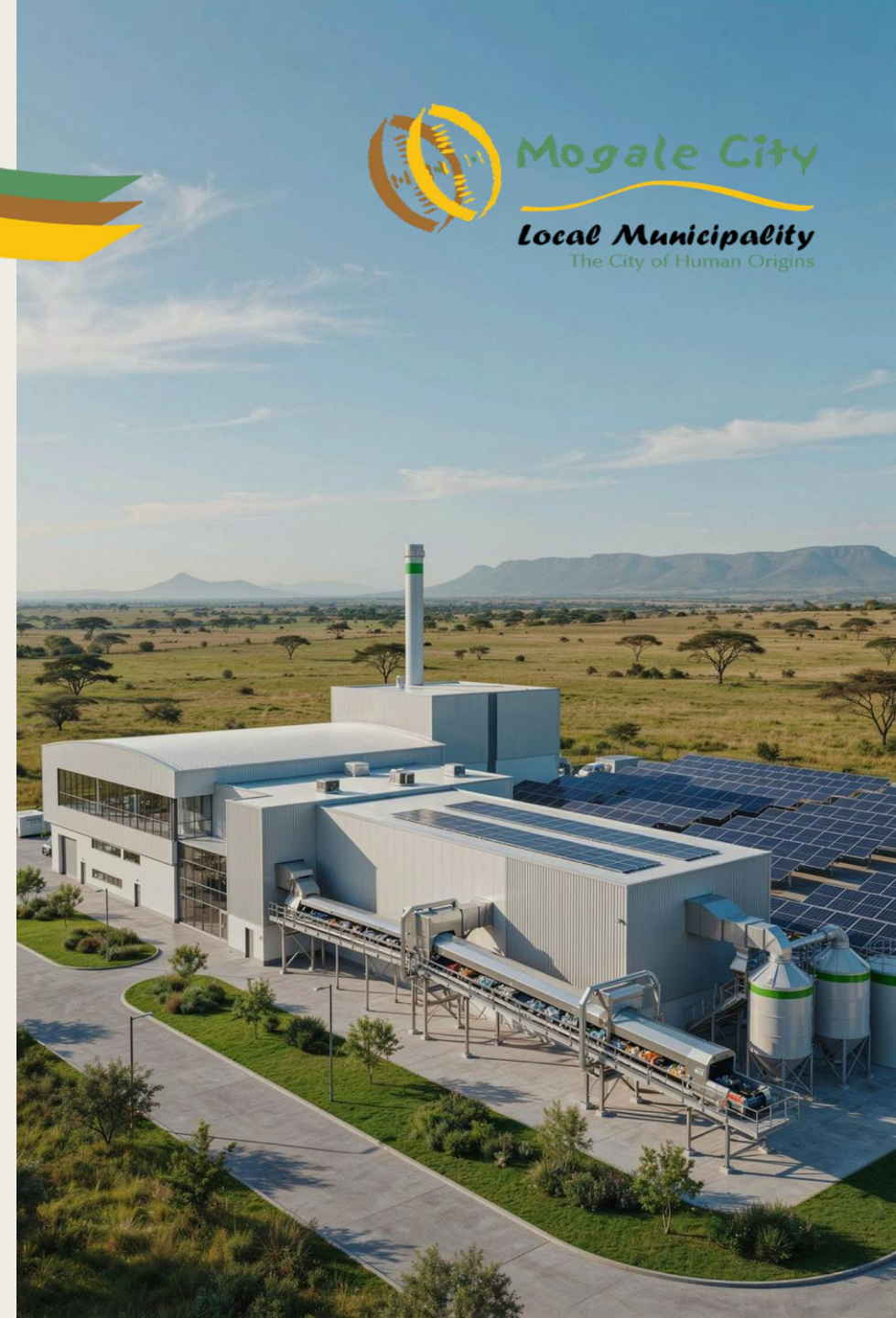
Composting & Organic Waste Diversion

A municipal composting plant will divert significant organic waste volumes from landfill, producing compost for parks, agriculture, and community gardens — closing the organic waste loop.



Green Economy & Social Enterprise

Formalizing waste picker cooperatives, licensing Buy-Back Centers, and partnering with universities (UNISA, UJ, TUT) creates a thriving green economy that generates livelihoods while advancing environmental goals.



**BE A PROUD RESIDENT,
PAY FOR YOUR SHARE**



**Thank
You**

