

SIZITHANDE COLLECTION RECYCLERS

Meet Qhawe Stengana, Managing Director of Sizithande Collection Recyclers, a waste management business based in Evander, Mpumalanga. For the past 12 years, Qhawe has been at the forefront of creating cleaner communities and driving the circular economy by collecting, sorting, and supplying recyclable waste to manufacturers who give it a second life Qhawe Stengana - WIG COMMUNICAT...

Her decision to join the Women in Green Construction, Waste Management, and Renewable Energy (WIG) Programme, hosted by the South African Supplier Diversity Council (SASDC), came from a belief that growth in the sector is not just about operations, but about leadership, collaboration, and innovation. “I see this as an opportunity to expand my network, gain new skills, and align Sizithande with modern sustainable practices,” she says Qhawwe Stengana

Through Sasol's sponsorship, Qhawe and other entrepreneurs from Sedibeng, Gert Sibande, and Fezile Dabi districts are gaining access to industry expertise that supports business growth while empowering women-owned enterprises to lead in the green economy.

For Qhawe, waste is not just a challenge—it's an opportunity. By diverting recyclables away from landfills, her business reduces pollution, creates green jobs, and fosters a culture of responsible waste management. Looking to the future, she hopes to expand into household recycling and composting initiatives, empowering families to embed sustainability into daily life Qhawe Stengana

Her motivation is deeply personal: “I’ve always believed in keeping our surroundings clean and taking responsibility for what we create, including waste. This value drives me to build a business that promotes sustainability as both a lifestyle and a legacy.”





Green Voices – Voices from WIG

Women in Green Construction, Waste Management, and Renewable Energy Programme (WIG)

An empowerment programme within Project EMBRACE



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Qhawe Stengana
Managing Director – Sizithande Collection Recyclers

Connect

📍 Evander, MP ✉️ stenganaqhawe@gmail.com

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MAGULASAVI TRADING ENTERPRISE (PTY)LTD

Meet Shongile Nyavana Mathye, Director and CEO of Magulasavi Trading Enterprise (Pty) Ltd, a business with over a decade of experience in petroleum, construction, and waste management. Based in Centurion, Pretoria, Magulasavi is proof of how diverse expertise can come together to drive innovation for a greener, more sustainable future.

Shongile’s company is a fuel wholesaler, supplying bulk diesel, petrol, jet fuel, paraffin, LPG, and aviation gas. Alongside energy, Magulasavi plays a critical role in waste management, handling the safe transportation of medical, general, and hazardous waste. Their work in construction spans residential, industrial, and commercial projects, including civil works and home automation solutions.

Her decision to join the Women in Green Construction, Waste Management, and Renewable Energy (WIG) Programme, hosted by the South African Supplier Diversity Council (SASDC) and made possible through Sasol’s sponsorship, is rooted in her drive to grow, connect, and contribute to lasting change. “We want to be one of the biggest contributors in the industry by improving the current crisis through innovation,” she explains.

At the heart of Magulasavi’s work is a focus on integration: bringing together construction, waste management, and green energy to reduce resource depletion, minimise landfill waste, and lower carbon emissions. Through projects such as their Net-Zero Energy Residential Development, the business is setting new standards in eco-living — creating homes that produce as much energy as they consume through solar, airtight insulation, and smart energy storage.

Shongile is frank about the challenges — from financing to navigating outdated building codes and finding skilled labour. But she sees the future with optimism. What excites her most? “We’re moving from Net Zero to Net Positive. Imagine communities where buildings generate more energy than they consume, turning entire neighbourhoods into shared clean energy networks. That’s the future I want to help build.”

For Shongile, sustainability is personal. Her vision is rooted in creating a world where cleaner, healthier environments improve public health, provide affordable energy, and uplift quality of life. Through the WIG Programme, she is strengthening her ability to deliver on this vision — and showing how women leaders are shaping the green economy.



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Shongile Nyavana Mathye
Director and CEO – Magulasavi Trading Enterprise (Pty)Ltd

Connect

Centurion, GP ✉ shongile@magulasavi.com



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GROOVE TECH

Meet Linah Maphanga, CEO of GrooveTech, a green manufacturing business based in Tshwane, Gauteng. In just three years, GrooveTech has been transforming waste into opportunity by creating sustainable road materials such as asphalt, concrete, and polymer-modified bitumen — all made from waste like plastic, coal ash, and mining by-products.

Linah joined the Women in Green Construction, Waste Management, and Renewable Energy (WIG) Programme, hosted by the South African Supplier Diversity Council (SASDC) and supported by Sasol's sponsorship, to sharpen her skills in the eco-building industry and to position GrooveTech as a leader in climate-resilient infrastructure.

Her vision is clear: to divert waste from landfills while solving one of South Africa’s biggest infrastructure challenges — potholes. “We’re using waste to create durable, multifunctional materials that not only eradicate potholes but also make roads safer and longer lasting. This creates opportunities for local communities, especially small businesses, waste reclaimers, and buyback centres,” says Linah.

GrooveTech's work extends beyond roads. Their innovations include multifunctional infrastructure that can support renewable energy storage without relying on expensive batteries. This approach contributes to safer, more sustainable cities and towns, while creating green jobs and strengthening local economies in areas such as the Gert Sibande District.

Of course, challenges exist. Linah highlights that product adoption and certification remain hurdles for green innovators. But she is driven by a passion for nature: “Nothing goes to waste in nature. Nothing is invaluable or less important — everything has a role in the ecosystem. That inspires me daily.”

Looking ahead, GrooveTech is focused on pioneering roads that heal themselves and buildings that act as giant energy batteries, showing what's possible when technology and sustainability meet.



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IYBA SEED
Investing in Young Businesses in Africa



WE4D
Women Empowerment

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Linah Maphanga
CEO - GrooveTech

Connect

Tshwane, GP ✉ maphanga@groovetech.co.za

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JUSTICE FLAMES

In Ermelo, Mpumalanga, Sphiwesihle Mkhabela, Founder and Director of Justiceflames Pty (Ltd), is proving that waste can fuel a greener, more inclusive future. Established in October 2023, the company is already making its mark in the waste-to-energy sector by producing eco-friendly charcoal briquettes from biomass waste and coal briquettes from coal dust and biomass.

But Justiceflames' ambitions don't stop there. The business is also piloting the repurposing of fly ash into paving bricks and blocks—an initiative that addresses waste management while supporting the construction industry with affordable, sustainable products.

Sphiwesihle explains that the inspiration came from Indalo Inclusive South Africa’s Just Transition framework, which encouraged him to step into the green economy. “It motivated us to see waste differently—not as a burden, but as an opportunity for innovation, job creation, and cleaner energy,” he shares.

While WIG is a programme designed to empower women-owned businesses in green construction, waste management, and renewable energy, Sphiwesihle sees his participation as part of a bigger story: men playing their role as allies in building a more inclusive and sustainable economy. By standing alongside women entrepreneurs, he believes men can strengthen the impact of the green transition, ensuring that women-led businesses aren't just included but are uplifted and celebrated.

Justiceflames is tackling three pressing challenges at once: pollution, waste management, and unemployment. By converting discarded biomass and ash into usable energy and construction products, the business not only keeps waste out of landfills but also creates youth-led employment and skills training opportunities.

A turning point came on 28 August 2025, when the Msukaligwa Local Municipality leased the company a 500 m² site under a 5-year agreement. This milestone gave Justiceflames the much-needed space to grow beyond the small backyard workshop where it all began. The next big hurdle? Access to capital and technical infrastructure to make the most of this opportunity.

Despite the challenges, Sphiwesihle is driven by optimism. “What excites me most is proving that young people can lead the green economy. Every briquette, every brick we make is proof that waste can be transformed into opportunity. And by supporting women-owned businesses through WIG, I believe men like myself can also help build a fairer, greener future.”

Participation in the Women in Green Construction, Waste Management, and Renewable Energy (WIG) Programme, supported by SASDC and co-funded by Sasol, is giving Justiceflames access to the skills, networks, and resources it needs to scale its impact.

For Sphiwesihle, sustainability is deeply personal: “I grew up seeing pollution all around me. My passion is turning that problem into value. Sustainability is about protecting the environment while creating opportunities—especially for women and youth. Because when women rise, whole communities rise.”





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Sphiwesihle Mkhabela
Justiceflames Pty (Ltd) - Founder & Director

Connect | Ermelo, Mp | justiceflames2023@gmail.com

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JUSTICEFLAMES
— INNOVATING WASTE —
— IGNITING PROGRESS —

Justiceflames Pty (Ltd) turns waste into opportunity by producing eco-friendly fuel and sustainable building materials, tackling pollution and unemployment while driving green growth.





Connect | Ermelo, Mp | justiceflames2023@gmail.com

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BUSTANI TRADING ENTERPRISE

In the heart of Leandra, Mpumalanga, Thando Charity Khanye is turning waste into work and challenges into opportunities. As the Founder and Director of Bustani Trading Enterprise, she leads a young but impactful business operating at the crossroads of waste management, recycling, steel fabrication, and construction.

Bustani Trading Enterprise is proof of how small beginnings can drive big change. From a humble backyard garage, Thando and her team transform discarded scrap steel and wires into diamond mesh fencing, burglar proofing, gates, and custom steel solutions. Alongside recycling, the business delivers civil and construction services such as fencing installations and palisade structures. What makes them unique is their ability to create value from waste, reduce environmental impact, and open pathways for job creation and skills development in a community that has been hard hit by mine and power station closures.

Her journey into the Women in Green Construction, Waste Management, and Renewable Energy (WIG) Programme, hosted by the South African Supplier Diversity Council (SASDC) and co-funded by Sasol, began when Sasol visited her workshop. “After a site visit, I received an email about the WIG Programme. When I researched it further, I realised this was the opportunity I had been searching for—a platform to learn, grow, and scale my business,” Thando explains.

Through Bustani Trading Enterprise, Thando addresses several pressing challenges in South Africa:

- Environmental: By recycling scrap into usable steel products, she reduces landfill waste and supports the circular economy.
- Social: By training and employing community members, particularly women and youth, she provides sustainable livelihoods in an area where opportunities are scarce.
- Economic: By offering affordable, durable construction and security solutions, Bustani Trading strengthens households, businesses, and local economies.

Looking ahead, Thando is ambitious. Her vision is to expand into a larger workshop, establish a buy-back centre, and scale production so she can recycle more scrap, train more people, and deepen her community impact. “What excites me most is that small, thoughtful design choices can reduce waste, protect the environment, and empower communities at the same time,” she says.

For Thando, sustainability is deeply personal. “I see skilled artisans without jobs, graduates sitting at home, and young people turning to alcohol and drugs because opportunities are scarce. I started Bustani Trading to change that—to turn waste into work, scrap into security, and despair into hope.”

Through the support of the WIG Programme and Sasol’s sponsorship, Thando is building more than a business—she’s building resilience, dignity, and a sustainable future for her community.



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Thando Charity Khanye
Founder & Director – Bustani Trading Enterprise

Connect

 Leandra, MP  bustanitradingenterprise@gmail.com

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RONKELA TRADING ENTERPRISE

In Secunda, Mpumalanga, Sibusiso Shiba, Managing Director of Ronkela Trading Enterprise, is turning one of South Africa's biggest environmental challenges into opportunity. His company manufactures bricks, precast walls, and even furniture by transforming waste ash into sustainable building materials.

For Sibusiso, this journey is about more than business—it’s about seeing solutions where others only see problems. “South Africa faces both environmental degradation from ash stockpiles and a severe housing backlog. By reusing ash, we’re addressing both: protecting the environment and producing affordable, durable building materials that create jobs and opportunities,” he explains.

Sibusiso is also part of the Women in Green Construction, Waste Management, and Renewable Energy (WIG) Programme, launched by the South African Supplier Diversity Council (SASDC) and co-funded by Sasol. While WIG primarily uplifts women-owned enterprises, the inclusion of men like Sibusiso underscores the idea that building a greener future is not women's work alone, but a shared responsibility where men can play an active, supportive role in breaking barriers and opening space for inclusivity.

Ronkela's flagship, the Ash Beneficiation Project, tackles two pressing national issues head-on: reducing massive ash stockpiles that harm the environment and providing sustainable materials for housing and infrastructure. From low-cost homes to public facilities, his solutions demonstrate the power of innovation rooted in local challenges.

Of course, the path forward has its hurdles. “Testing and certification remain one of our biggest challenges in advancing green innovation,” says Sibusiso. Yet his optimism remains undimmed. “What excites me most is the positive impact—being able to help shape a greener planet and build healthier communities.”

For him, sustainability is personal. “Nature is us, and we are nature. We need to care for one another, and as humans, we must give back to the environment that sustains us.”

Through the WIG Programme and Sasol's support, Sibusiso and Ronkela Trading Enterprise are proving that when men stand alongside women in the green economy, waste can be transformed into a building block for a cleaner, more inclusive South Africa.



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Sibusiso Shiba
Managing Director – Ronkela Trading Enterprise

Connect  Jhb  judge@geno.co.za

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GENO AFRICA

For Tshepo Judge Dijana, innovation is more than a buzzword – it’s the backbone of his company, GENO AFRICA, an IT, Telecommunications and Strategy Solutions firm that has been operating for eight years.

Through GENO, Tshepo has developed REMASOL, an autonomous waste and recycling platform that helps organisations unlock the hidden potential of waste while contributing to the UN Sustainable Development Goals (SDGs).

Tshepo is part of the Women in Green Construction, Waste Management, and Renewable Energy (WIG) Programme, launched by the South African Supplier Diversity Council (SASDC) and supported by Sasol. While the programme primarily champions women-owned enterprises, the inclusion of men like Tshepo highlights the importance of allies who bring complementary expertise and stand alongside women in reshaping the green economy.

“Being in the room with like-minded individuals who are already integrating forward-thinking strategies into their businesses is what drew me to WIG. And with SASDC and Sasol driving this initiative, it was a natural choice to get involved,” Tshepo says.

His business tackles three big impact areas:

- Educating and encouraging disadvantaged communities to formalise businesses and create sustainable income.
- Reducing women and youth unemployment by creating open platforms that connect people with credible data and real opportunities.
- Driving ESG goals inclusively from the grassroots level, ensuring no one is left behind in Africa’s transition to green economies.

GENO is also preparing to launch a scalable African Carbon Trading Exchange and Marketplace – giving waste and recycling stakeholders across the value chain a chance to participate in net-zero goals, create jobs, and open new opportunities.

Of course, the journey hasn’t been without hurdles. “Funding is always the biggest challenge, especially in the global south, where innovation in this space lags behind. But we see every challenge as a chance to innovate further,” he notes.

What excites him most about the future is the possibility of a cleaner planet that is also profitable and inclusive.

“Sustainability, by any other name, is Ubuntu. It’s about caring for the planet and each other. That’s what motivates me – ensuring my children and grandchildren inherit a world that is respected and cared for.”

Thanks to the WIG Programme and Sasol’s support, Tshepo and GENO AFRICA are building not only a sustainable business but also a platform for communities across Africa to thrive in the green economy — proving that men and women working together is what drives true transformation.



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Tshepo Judge Dijana
GENO AFRICA – Chief Visionary – Strategy & Sales Executive

Connect 📍 Jhb ✉️ judge@geno.co.za

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