Scaling Global South Climate Solutions | SachetBank - Nigeria



SachetBank is an AI-assisted, automated waste collection network that leverages location intelligence and data mapping to stop waste littering at the immediate point of consumption, systematically pivoting regional disposal cultures from outdoor littering to disciplined domestic retention

Challenge

Nigeria is home to over 200 million people, and for the vast majority who belong to low-income households, pure water sachets are the only affordable source of daily hydration. This reliance creates a staggering environmental crisis: an estimated 50 to 60 million nylon sachets are discarded every single day across the country. These specific nylons contribute significantly to the 32 million tonnes of solid waste generated annually in Nigeria, yet because they are non-biodegradable and lightweight, they are rarely recovered by traditional waste systems.

The reality on the streets of Lagos, Nigeria today is that we are fighting an infrastructural and behavioral defect, not a human failure. Over 60% of Nigeria's population relies on low-density polyethylene (LDPE) pure water sachets for daily hydration, resulting in millions of plastics being discarded into our environment every single day. They choke municipal drains, intensify climate-induced flooding, and destroy local infrastructure because the current linear economy expects people to retain waste that holds zero immediate economic utility to them.

Solution

Our innovation flips this script. We do not operate as a standard waste-collection entity;

DunsinCrafts is a vertically integrated, impact driven sustainable luxury fashion house. Through our front-end infrastructure, SachetBank Africa, we intercept this post consumer LDPE waste at the immediate point of consumption by assigning it an unyielding, programmatic economic value. By utilizing an automated WhatsApp API and neighborhood aggregator hubs, we allow low income households to seamlessly exchange stored, clean sachets for immediate "Waste to Food/transport credit" rewards, turning an environmental liability into a domestic asset class that guarantees immediate nutrition.

The recovered sachets serve as feedstock, which is processed and weaved into textile bundles; ASO-ÒRÁ and avert-garde bag pieces through our manufacturing partner company, DunsinCrafts.

SachetBank is needed now more than ever because we are facing a simultaneous crisis of environmental degradation and acute food insecurity across urban hubs. We cannot afford to wait for slow, long-term cultural shifts; we need a hard economic incentive that instantly flips the script, converting everyday household waste into a transactional asset class that puts food on the table.

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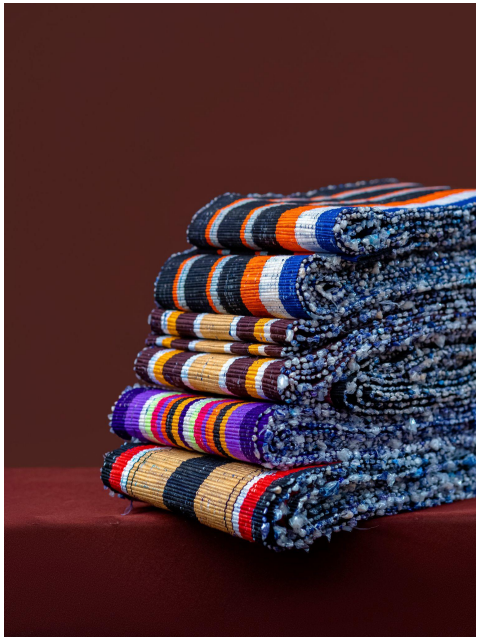



Impact

We are expanding our primary target market from the retail consumer to multi-billion Naira multinational FMCG companies. We are entering their supply chains, taking their post-consumer flexible packaging waste off the streets, and using our industrial looms to upcycle that exact corporate liability into premium, ESG-compliant corporate souvenirs and promotional assets for their global events and CSR projects. By turning their waste into their own corporate assets, we secure predictable, high-volume recurring contract pipelines that keep our artisan weavers and production floor running at 100% constant utilization.

The factory has up-cycled over 500kg of post-consumer plastic waste over the last 5 months through a voluntary network of 256 registered household donors, processing the waste into an average of 15 textile bundles monthly.
We have showcased upcycled collections at Lagos Fashion Week, styled a high-profile celebrity for the AMVCA12, and earned international media features on platforms like Twyg.

We are working hard to meet the surging high-volume demands from eco-conscious corporate B2B clients and export channels due to supply chain bottlenecks, which we are hoping to address by deploying our incoming digital SachetBank infrastructure.

Partners

Lagos Fashion Week; N5,000,000 grant to build our tech MVP

Contact

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Website



