

Zero Waste System for Rapidly Growing Cities



Tanzania / Africa



PROJECT DESCRIPTION

- Cities like Dar es Salaam in Tanzania produce over 5,600 tons of waste each day, of which less than 40% is collected.
- Most of this waste is deposited in an unsanitary dump site. The rest is burned, buried, or illegally dumped, often clogging waterways, contaminating soil, and increasing urban air pollution.
- To address this waste crisis, Nipe Fagio implemented a **Zero Waste System** in Tanzania in 2019, aiming to eliminate waste through reduction, reuse, recycling, and recovery without burning, incinerating, or discharging to land, rivers, or oceans.
- The zero waste model is a decentralized approach in which the management of solid waste starts at the source with segregation of waste at the household level.

PARTNERS INVOLVED IN PROJECT

- Nipe Fagio
- GAIA
- Mother Earth Foundation
- Urban Movement Innovation Fund (UMI)
- Foundation NERE
- BreakFreeFromPlastic



RESULTS ACHIEVED

- Achievement of 95% compliance of separation of waste at source.
- Diversion of 75-85% of waste from landfills.
- Recovery of more than 39 tons of organic waste per month at the Material Recovery Facility in a zero waste ward, which is leading to the reduction of methane emissions through composting techniques.
- Increased soil carbon storage from organics when applied to soil and less use of synthetic fertilizer.

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