

INTEGRATED WASTE MANAGEMENT FACILITIES

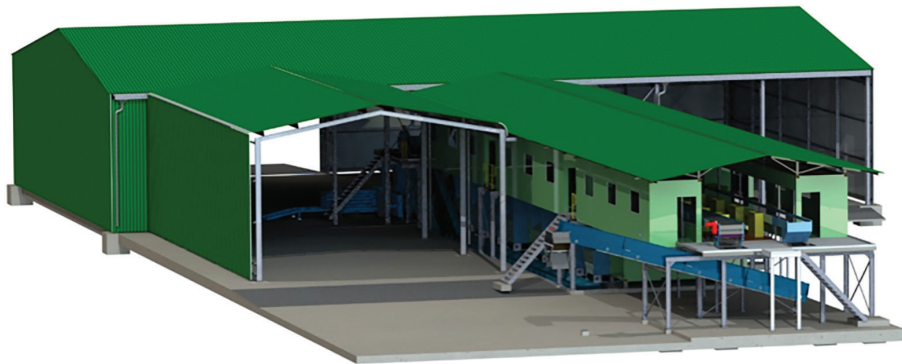


PROJECT OWNER

PROJECT VALUE

City of Tshwane

R170 million



IMPACT

- R170 million rand per site
- Job creation per site: 200 during construction; 130 permanent when operational
- Circular economy: The production of goods from materials that are historically discarded. The City will be the offtake [unclear what this means, please check that it is correct] of some of these goods, such as compost.
- Reduction of greenhouse gas emissions

Opportunities

Short to medium-term opportunities:

- Construction opportunities
- Diversion of waste from landfill
- 1 400 tons of recyclable waste per site
- Processing of recyclable materials
- Growth of the circular economy

Long-term opportunities:

- 3 000 tons of recyclable waste per site
- SMME empowerment

PROJECT OWNERSHIP

The City of Tshwane's City Sustainability Unit and the Agriculture and Environmental Management Services Department.

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PROJECT DESCRIPTION

An Integrated Waste Management Facility (IWMF) which comprises waste resource recovery infrastructure designed to recover recyclable waste, compost garden greens, repurpose construction waste and discarded tyres, and bale residual waste for further energy recovery. This infrastructure supports the goal of diverting waste from landfill and reducing the production of methane gas. It supports the circular economy as repurposed waste can be successfully used in road construction and maintenance, building construction, and landscaping.

LOCATION

Buffer zones, decommissioned and commissioned landfill site (five sites in total).

Automotive and Components Agro-Processing Energy, including renewable sources Mixed Use Development Logistics Tourism

