



AKBE
ENTERPRISES

Business Profile

LANDFILL MANAGEMENT
TYRE RECYCLING & MANUFACTURING



Content

BACKGROUND	03
VISION & MISSION	04
VALUES	05
MANAGEMENT STRUCTURE	06
BUSINESS STRUCTURE	07
WASTE MANAGEMENT	08
TRAINING	09
WASTE MANAGEMENT EQUIPMENT	10
PYROLYSIS WASTE	11
COMMUNITY RECYCLING PROGRAM	12
REFERENCES	13
CONTACT DETAILS	14

Background

Alex Khumo Business Enterprise,

trading as AKBE is A 100% Black owned and managed integrated waste management company. The establishment of AKBE was inspired by THE lack of credible, experienced, and resourced Black Waste Management companies. The founder and management of the company are very passionate about waste management, recycling, and participate in various waste industry forums and conferences.

The entry barriers to this industry are very high and include equipment, vehicles, and limited skills. Furthermore, there is very little transformation taking place within the waste management industry.

AKBE is committed to the objectives of the National Waste Management Strategy and keeping a clean and safe environment. To this end, the company sees itself not only as one of the key role players in the waste management arena but as the provider of innovative and integrated waste management solutions.



Vision

Our vision is to provide integrated, quality, cost-effective and innovative waste management solutions.

Mission

In line with our broad mission of striving to enhance quality through proper waste solution, AKBE will:

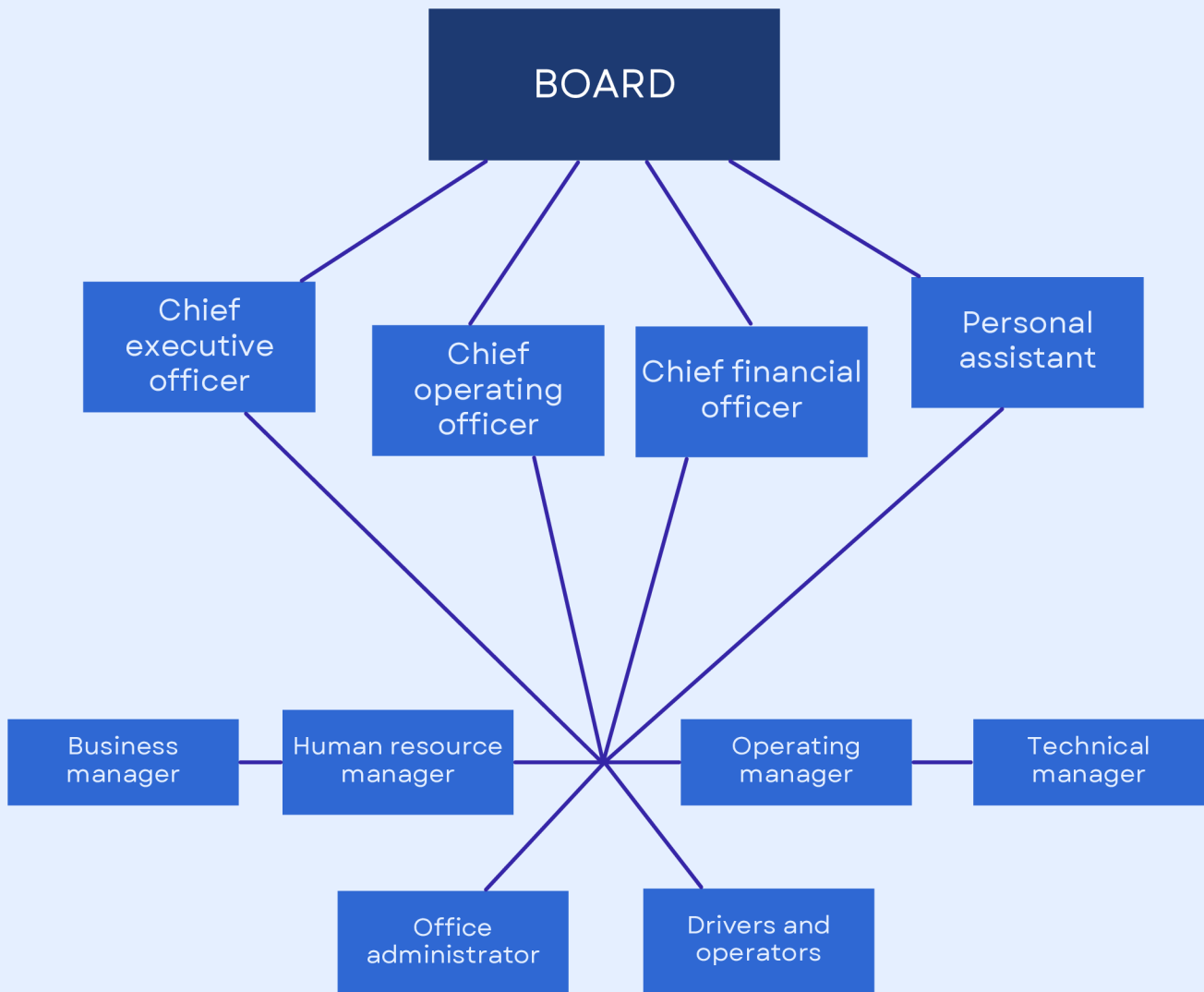
- Foster institutional agreements and co-operation, where appropriate and feasible, with other service providers offering the same service.
- Invest in relevant technology and equipment.
- Employ qualified and skilled employees.
- Continue educating, training and developing staff.
- Form partnership with our clients.
- Develop, in tandem with environmental and waste management decision makers, decision processes that are efficient, credible and cost effective.
- Operate and offer sustainable business solutions.
- Promote and make use of local residents in the execution of area based waste
- Adherence to quality standards (ISO 9001 & 14001).

Values

Management and staff shall commit themselves to the following core values:

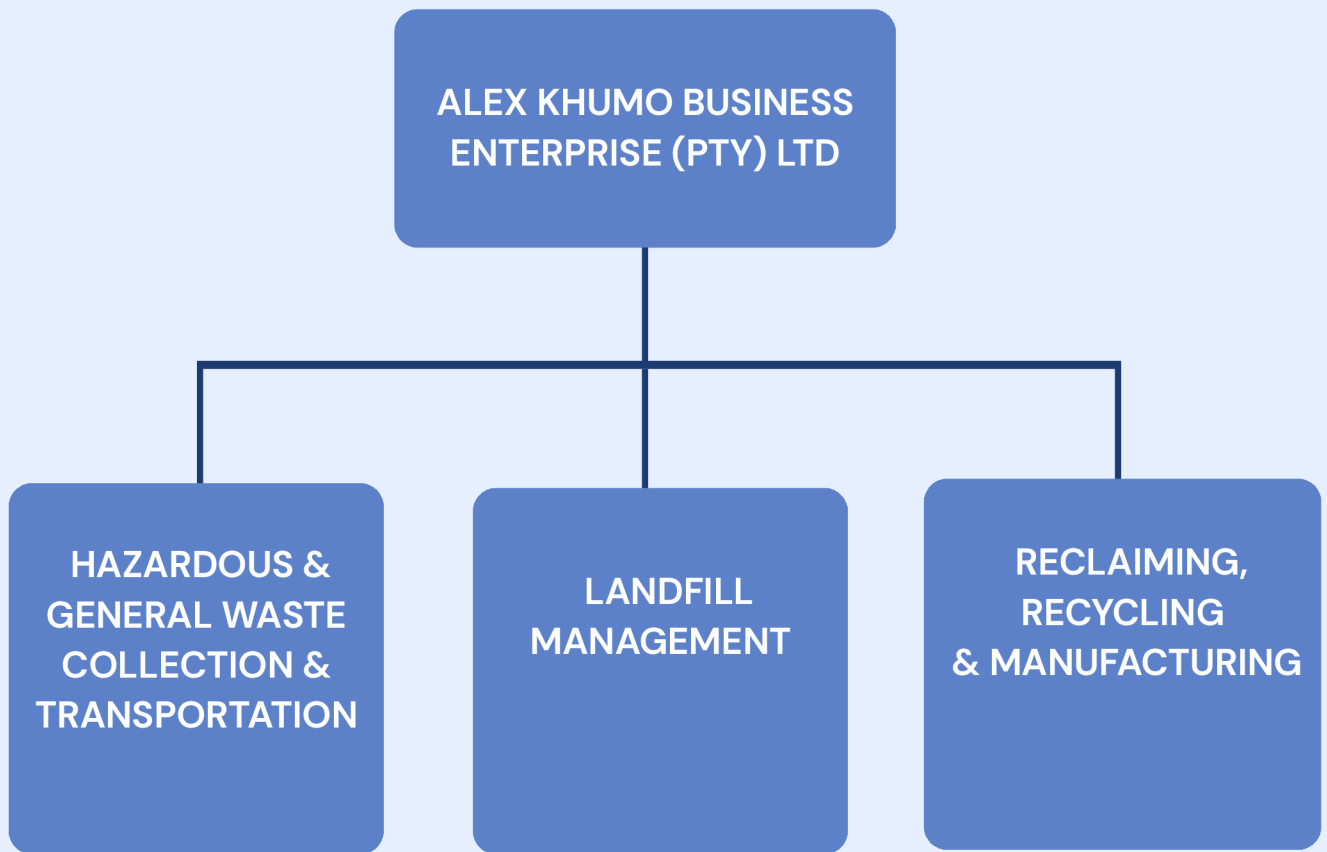
- Open and honest communication
- Trustworthiness.
- Fun.
- Non-discrimination
- Teamwork (perceived division of general, hazardous and medical waste.
- Proactive/ innovative.
- Empathy.

Management Structure



Business Structure

AKBE AFRICA



Every unit has its own functions and has various Operational Strategies based on their strategies. This allows the business to have separate business decisions though they report to one body and clients are able to identify which department to approach for their services.

Waste Management

In line with our mission, AKBE also strives to ensure that the solutions offered are based on proven systems and practices and that they are cost effective.

AKBE Waste Solutions offer the following:

- Operations, Maintenance and Rehabilitation of landfill sites
- Handling, collection and transportation of waste
- Treatment and safe disposal of waste
- Clean-up campaigns
- Sorting and recycling
- Manufacturing of recycled material



Training

Operators, Spotters, Gate Controllers, Reclaimers need to be trained as the environment has many challenges especially working at the landfill sites where food stuff is brought for destruction. Those are some of the areas that they should be aware of not to take the kind of food for consumption. They should also know the kinds of waste that is allowed and not allowed in a general landfill site and to be able to identify such waste and report if they come across it. The training of people who handle waste is very important. People need to know how to safely handle, manage, store, transport and dispose waste.

AKBE offers the following training services:

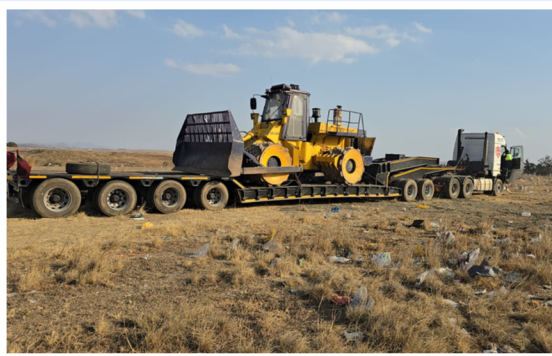
- Handling of incoming waste and compaction.
- How to deal with Rehabilitation process.
- Landfill Management and Recycling.
- Collection, handling and transportation of medical and hazardous materials.
- Consulting



Waste management Equipment

AKBE will require its own equipment to do recycling especially of "TYRES" and vehicles and have access to additional equipment and vehicles should a need arise. All the equipment and vehicles should meet the industry requirements and safety standards and comply to all relevant and applicable legislation

The equipment below are currently at Bethlehem Landfill except the excavator



Pyrolysis waste

The global issue of waste management is becoming increasingly prominent, and AKBE aims to address both waste tyre and plastic disposal problems while creating a valuable product. The pyrolysis of waste tyres and plastic allows AKBE to produce diesel and petrol, two products that can be used as an alternative to conventional fossil fuels.

This process will also result in byproducts such as carbon black, steel, and oil gas, which have additional market value. This project is an innovative way to create value from waste, helping to solve both waste management and fuel scarcity issues, contributing to the circular economy while providing a sustainable energy source.

AKBE aims to leverage the pyrolysis process to convert waste tyres and plastics into high-demand products: diesel and petrol. Through innovative technology, the business will tackle critical issues surrounding waste disposal, particularly in the case of non-biodegradable plastics and discarded tyres, while producing valuable fuel that can be sold to fuel distributors, government entities, and private sectors. By addressing both environmental and energy challenges, AKBE will play a pivotal role in South Africa's green energy transition.

Key Products:

- Diesel and Petrol:

1. High-quality alternative fuels produced through the pyrolysis process.

- Byproducts:

1. Carbon Black: A valuable material used in industries such as construction, automotive, and manufacturing.
2. Steel: Extracted from waste tyres, which can be sold to metal recyclers.
3. Oil Gas: Used to power the pyrolysis plant or sold as a secondary energy product.



Community Recycling Program

AKBE Waste Solutions believes that the community plays a vital role in safeguarding and protecting the environment and therefore have a role to play in managing waste. As part of our social responsibility is to involve communities on certain projects like gardening of illegal dumps, recycling projects, clean-up campaigns etc. These campaigns and projects are also offered to schools and also targeting the youth for employment and skills transfer

Recycling projects executed by AKBE 2006–2010

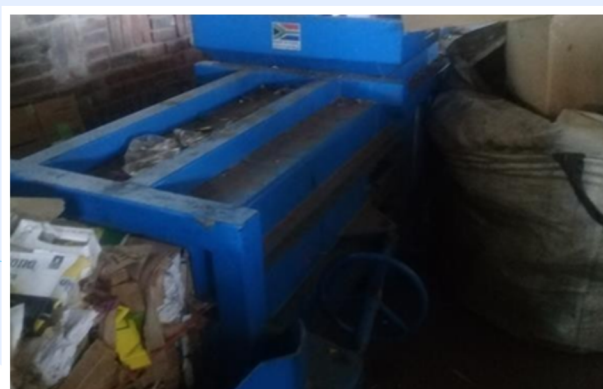
Mkhondo Landfill site



Recycling Depot in Bloemfontein



Bailing Machine



Ready Bailed Box



References

Alex Khumo Business Enterprise has tendered for a number of waste projects as listed below:

Ø Landfill management consulting Mkhondo Municipality *Executed 2017– 2020
Contact Mr. Vusi Dube (087) 630-0180/ 082 065-4597
Mr. Willie Mthupha (017) 826-2211/073 236-3943

Ø Landfill and Waste Collection Govan Mbeki Municipality *Executed 2017– 2019
Contact: Mr. Hendrik v. Merwe (017) 620-6319 / 083 650-6523
Ms. Anastasia Engelbrecht (017) 620-6112/6000/ 083 599-4823

Ø Supply of Medical Waste Buckets, boxes and liners–Tshumisano Waste
*Executed 2010
Contact Ms. Mmathabo Maleka (015) 223-2843/072 129-4512 Livhu Siala

Ø Supply and deliver of compactor truck to Elias Motsoaledi Municipality
*Executed 2011
Contact Mr. M. Kgware (013) 262-3056/ 079 879-0689

Ø PPP Total Waste Management @ Greater Tubatse Local Municipality Contact Ms. Koena Chokoe (013) 231-1000/ 072 520-2449
Mr. Jabulani Shongwe (013) 231-1000/ 082 669-5397/ 082 904-9042

Ø Session Supply of landfill compactor @ Steve Tshwete Local Municipality Contact Ms. Thokozile Zulu (013) 249-7206/ 083 259-3558
Ms. Angel Masia (013) 249-7206/ 082 440-6180

Ø Clearing of illegal dump site @ Dihlabeng Local Municipality
Contact Ms. Mpho Mbele (058) 303-5732/ 071 152-1176

Ø Management and Operations of Bethlehem Landfill site @ Dihlabeng Local Municipality (2024– CURRENT)
Contact: Mrs. Thokozile Vanqa (Director Community Services) +27 73 024-6062/ (058) 303-5732
Mr. Mohau Nteli (Municipal Manager)
(058) 303-5732

Contact Details

Alex Nkoenyane
Executive Director
+27 66 081 1169
Email: alex@akbe.africa

Khumo Nkoenyane
Executive Director
+27 84 062 7138
Email: khumo@akbe.africa

FAX2MAIL: +27 86 644 3520
WEBSITE: www.akbe.africa

