

KITSO RAKGOLE

BEng (Civil Eng.) Registered Eng. (ERB)
ACEB-YPF VICE CHAIRPERSON

ENGINEER'S ROLE ON THE AGENDA2063 – BOTSWANA'S PERSPECTIVE

YP IMBIZO 14 August 2019



• AGENDA2063	04
• THE AFRICA WE WANT	06
• BOTSWANA PERSPECTIVE	08
• WHAT HAS BOTSWANA DONE?	13
• THE ROLE OF THE ENGINEER	17
• HOW TO ACHIEVE	19
• CHALLENGES	20
• CONCLUSION	22

“...Africa is Rising. BUT, the question is;

- Is Africa rising at the pace that she ought to rise?
- And if she’s rising; for whom is she rising?
- And if she’s rising; how is she rising?”

- Professor PLO Lumumba (GAMA2019 – Kampala, Uganda)

AFRICA AGENDA 2063

- Africa's blueprint and master plan for transforming Africa into the global powerhouse of the future.
- It is the continent's strategic framework that aims to deliver on its goal for inclusive and sustainable development
- ASPIRATION 1: A prosperous Africa based on **inclusive growth** and sustainable development

AGENDA 2063 GOALS



THE
AFRICA
WE
WANT



THE AFRICA WE WANT

- High standard of living,
- Sound health and well-being
- Well educated and skilled citizens
- Cities and other settlements with modernized infrastructure
- People have access to affordable housing and
- Basic necessities of life such as;
 - water,
 - sanitation,
 - energy,
 - public transport and
 - ICT.



BOTSWANA PERSPECTIVE

BOTSWANA PERSPECTIVE



Botswana's vision of 2036:

- aligns with the global agenda for sustainable development and
- the principles of Africa agenda 2063,
- to ensure that the country pursue the national aspirations in a way that enables Botswana to meet the global and regional goals.

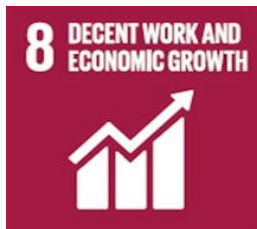


BOTSWANA PERSPECTIVE

PILLAR 1 - SUSTAINABLE ECONOMIC DEVELOPMENT

By 2036 Botswana will be a

- high-income country,
- Knowledge based economy,
- infrastructure development,
- manufacturing sector,
- information technology



PILLAR 2 - HUMAN SOCIAL DEVELOPMENT

By 2036 Botswana will be a

- moral, tolerant and inclusive society
- strong family institution,
- health and wellness,
- social inclusion and equality,
- gender equality,.



BOTSWANA PERSPECTIVE

PILLAR 3 - SUSTAINABLE ENVIRONMENT

By 2036

- sustainable and optimal use of natural resources
- ecosystem functions and services,
- water security,
- energy security,
- climate resilience and
- pollution and waste



PILLAR 4 - GOVERNANCE, PEACE AND SECURITY

By 2036 Botswana will be a

- land of peace,
- freedom and progressive governance. human rights,
- civil society participation,
- religion and society,
- transparency,
- accountability and implementation,
- foreign relations and freedom of expression and association



WHAT HAS BOTSWANA DONE?



- PILLAR 1: SUSTAINABLE DEVELOPMENT
 - Rural electrification (the 100 villages project by Botswana Power Corporation).
 - Improved connectivity in the region. The Kazungula bridge project (due for completion in 2020) between Botswana and Zambia.
 - North South Water Carrier project which transfers water from North of Botswana to South, which is on the third phase, due for completion in 2020.
- PILLAR 1: SUSTAINABLE ENVIRONMENT
 - Introduction of the Environmental Act which talks to the consideration of environmental impacts in all developments

KAZUNGULA BRIDGE

- Botswana and Zambia partnership
- One stop border post
- Improved processing border processing from 5days to 5hours



NORTH-SOUTH CARRIER WATER PROJECT

- Transfer of water from North to South of Botswana including the capital city.
- The northern part of the country receives more rainfall than the south. The biggest dams are therefore located in the north.



The Role of the Engineer

- Solution drivers
- Area Experts
- Advisory roles
- Efficient execution of projects



1981



2019

How to achieve the goals

- Sustainable partnerships between government, professionals and citizens
- Strong delivery systems to ensure implementation of policies
- Continuous monitoring and evaluation
- Continuous development
- Knowledge sharing
- Innovation

Challenges

- Red tape(Policies)
- Accountability
- Lack of funding
- Lack of monitoring
- Planning

CONCLUSION



- IS AFRICA RISING?
- As Africans we have to take the lead in what we want to achieve. Be at the forefront of our development.
- Goal setting and proper follow through should become a top priority in all we do.
- WHAT ARE YOU DOING FOR AFRICA??

Thank you

I hope you enjoyed this
presentation

Kitso Rakgole

ACEB-YPF VICE CHAIRPERSON

kitso.rakgole@gmail.com

Facebook: ACEB-YPF