Engineer’s (YP’s) role on the AGENDA 2063 of the African Union - “A prosperous Africa based on inclusive growth and sustainable development”

YP IMBIZO, 14 August 2019

Harold M. Chibwe: GAMA YPFSC Chair, ACEZ YPFSC Member, FIDIC YPFSC Member
• GAMA YPF
• Zambia’s Vision 2030
• Relationship between Vision 2030 and Agenda 2063
• Engineers Role in Sustainable Development
• Closing Remarks
FIDIC’s key objective:
• To promote and encourage the development of Young Professionals in the Consulting Engineering Industry.
• GAMA YPF was born at the 2013 GAMA Conference in Khartoum, Sudan.

• Formed with the intention of providing YPs with an opportunity to participate in GAMA & FIDIC activities with their peers and to develop the next generation of GAMA & FIDIC leaders.
• YPF is open to any engineer, planner, or allied professional whose member firm is part of GAMA and wishes to join a global network of similar professionals within the GAMA community.

GAMA YPF Steering Committee

▪ Run by a committee of Young Professional volunteers from across Africa.
▪ GAMA’s Passionate and Energetic YP's are committed to the promotion and development of the African continent (Agenda 2063) and supporting the work and operations of GAMA.
▪ Develop communication and networking opportunities for all Young Professionals involved in the GAMA community...

http://fidic.org/node/7946
YOUNG PROFESSIONALS LINKAGES

FIDIC YPF
- GAMA YPF
- EFCA YPF
- ASPAC YPF

CESA YPF

ACEB YPF

GAMA YPF

UACE YPF

ACEZ YPF

GAMA MEMBER COUNTRIES

Look out!!!

Call For New Steering Members for GAMA YPF!!!
ZAMBIA – QUICK FACTS

Republic of Zambia  
Capital: Lusaka

Population 16.5 million
Area 752,614 sq km (290,586 sq miles)
Major languages English (official), Bemba, Lozi, Nyanja, Tonga
Major religions Christianity, indigenous beliefs, Hinduism, Islam
Life expectancy 59 years (men), 64 years (women)
Currency Kwacha

ZAMBIA’S 2030 VISION  “To be a middle-income nation by 2030”.

A middle-income country is a nation which is neither very rich nor extremely poor with monthly incomes of its people between US$900 (R13,950 - R178,250) and US$11,500.
ZAMBIA’S 2030 VISION

WHERE ARE WE & WHAT HAVE BEEN THE CHALLENGES?

➢ The JCTR’s January, 2019 Basic Needs Basket (BNB) for a family of five in Lusaka stood at K 5,395.35 ($415 or ~R6,400).
➢ The food basket does not include other expenditure such as house rentals, clothes, school fees....

➢ What makes/made us a low income country?

1. Since independence the economy has been entirely dependent on the mining industry.
2. Our economy was/is thus susceptible to external shocks such as the falling copper prices and rising fuel prices on international markets that adversely impact on the country’s economic advancement and living standards of the people.

In recent years there has been a diversification of the Economy?
ZAMBIA’S 2030 VISION

IS THE VISION REALISTIC?

Yes

Zambia GDP growth rate

4.1% annual change (2017)

World Bank national accounts data, and OECD National Accounts data files. 2018
What is the Relationship between Vision 2030 and Agenda 2063

What Africa Do I Want?
“A prosperous Africa based on inclusive growth and sustainable development”

What is Prosperity?

i. High Incomes with disposable income
ii. Improved Standard of Living
iii. Job Security
African Challenges:

- Africa faces a number of issues;
- Poverty
- Rising cost of Living
- Infrastructure gap
- Energy Deficit

As an Engineer will you take these as Problems or Challenges?
What is our Role as Engineers in Agenda 2063 Aspiration 1?

➢ Front runners/Driving Seat.

- **Economy**
  - to optimise economic returns

- **Environment**
  - to optimise the use of natural resources and minimise environmental impacts

- **Society**
  - to supply human needs and improve quality of life

A PROSPEROUS AFRICA BASED ON INCLUSIVE GROWTH & SUSTAINABLE DEVELOPMENT
What is our Role as Engineers YP’s in Agenda 2063?

Summary...

• Engineers have a central role in sustainable development
  – developing sustainable technology (but that is not all, engineers have potential for much more)
• Technology is an essential part of society
  – but it is not the only thing
  – engineers should take on a more active role in society
    → sharing own expertise
    → collaborating with others
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