



Lukhanyiso  
Ndevu

## PERSONAL DETAILS

Date of Birth: 05 December 1994  
Languages: English; (Excellent), isiXhosa (Fair), Afrikaans (Fair)  
Prof. membership: None  
Years' Experience: 7 years  
Countries worked in: South Africa, Lesotho

## CONTACT INFO

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## ACADEMIC BACKGROUND

- Master of Philosophy (Engineering for Sustainable Development), University of Cambridge, UK, 2023-2024 (Research project: Financing of off-grid solar in informal settlements in Africa - Practice and Opportunities)
- Bachelor of Science (Civil Engineering), University of Cape Town, South Africa, 2013-2016 (Research project: Housing Affordability in Transit-Oriented Development)

## PROFESSIONAL DEVELOPMENT AND ACADEMIC ACHIEVEMENTS

- Mastercard Foundation Scholarship (2023-2024): This full scholarship to the University of Cambridge is awarded to scholars who will contribute to sustainable futures in Africa. Additionally, the scholarship provides bespoke leadership training through the Cambridge Institute for Sustainable Leadership.
- McKinsey's Forward Africa programme (May-Sept 2021): Learnt: Adaptability & Resilience, McKinsey's Hypothesis approach to problem solving, Communicating for Impact, and agile ways of working.
- Aurecon Best Overall Achievement Prize (2016): This prize is awarded to the student with the best overall academic achievement in the Civil Engineering degree programme at the University of Cape Town.
- Gallagher Foundation Scholarship (2013-2016): This full scholarship to the University of Cape Town is awarded to high school students who show academic and leadership potential.

## FIELD OF SPECIALISATION

Lukhanyiso has a MPhil in Engineering for Sustainable Development from Cambridge, and his Masters project focuses on the Just Energy Transition (specifically off-grid solar) in Africa. He has experience working with resilient infrastructure projects, especially water infrastructure, as well as a range of South African public sector institutions. Building on his water engineering experience, Lukhanyiso has undertaken a fellowship as part of the African Union's Continental Arica Water Investment Programme (AIP) which aims mobilise finance towards Africa's water security. At PDG, Lukhanyiso works as a Senior Consultant in areas of public finance, municipal services and monitoring and evaluation, drawing from his engineering experience and research skills.

## WORK EXPERIENCE

### Jan 25- ongoing

PDG, Johannesburg, South Africa  
Senior Consultant

### Nov 24- Jan 25

Global Water Partnership, Pretoria, South Africa  
AU-AIP Youth Fellow

### Sept 22- Aug 23

Zenysis Technologies, Cape Town, South Africa  
Operations Manager

### Apr 21- Aug 22

Zenysis Technologies, Cape Town, South Africa  
Operations Associate

### Nov 17- March 21

GIBB, Maseru, Lesotho  
Graduate Engineer

### March-Nov 17

SMEC, Komani, South Africa  
Assistant Resident Engineer

## KEY PROJECTS

**2024-2025: Continental Africa Water Investment Programme:** Lukhanyiso contributed to the programme by working on the stakeholder engagement activities for the development of an AU National Water Investment Programme guideline. Lukhanyiso led the drafting of the findings report of the stakeholder consultation which was hosted by the African Union Commission in Nairobi, involving 24 AU member states. He additionally presented the findings back to the AIP technical working. Further, Lukhanyiso contributed to the research on additional indicators for the AIP-PIDA Water Investment Scorecard which aims to track and benchmark progress made by AU member states with respect to water investment needs.

**2024-2025: Integrated Transboundary River Basin management for the Sustainable Development of the Limpopo River Basin:** Lukhanyiso contributed to the South African validation workshop of the Transboundary Diagnostic Analysis (TDA) of the Limpopo River Basin. The TDA exercise is run in all riparian states (South Africa, Mozambique, Zimbabwe, and Botswana) and aims to identify transboundary water related environmental problems in the basin. Lukhanyiso contributed written feedback on the draft TDA report and facilitated group

discussion during the national workshop, which included stakeholders from the Department of Water and Sanitation, Water Boards, and Eskom.

**2021 - 2023:** Lukhanyiso worked as part of a technology startup working in global health. His focus was strategic and operational transformations within the Delivery Unit to enable the company to scale rapidly. In addition, Lukhanyiso provided project management support on the Benin Malaria project, which was part of a wider effort by the Bill and Melinda Gates Foundation to address malaria in Benin. He attended client meetings and assisted in reviewing communications which were shared with stakeholders.

**2017-2021: Lesotho Highlands Water Project:** Lukhanyiso worked on the design of the Polihali Dam as part of Phase 2 of the Lesotho Highlands Water Project. His responsibilities included project costing, hydraulic and hydrology analysis, drafting the payment specifications, contract specifications, and structural design. He performed structural design of a 23m high water retaining spillway wall for Polihali Dam, drafted the technical report outlining the spillway wall design; did flooding estimation for the design of a river crossing, modelled open channel flow for gauging station rating curves and wrote the Payment References for the Polihali tender document. In addition, Lukhanyiso did costing work on Ngwadini Dam (as part of the Lower Umkhomazi Bulk Water Supply Scheme).

**2017: SANRAL Routine Road Maintenance:** Lukhanyiso worked on a routine road maintenance project on the R392 doing contract administration on behalf of SANRAL. His responsibilities included calculating site quantities, compiling the monthly payment certificate with the contractor, participating in monthly client meetings, and drafting site instructions. Further, Lukhanyiso drafted the project close out document reporting on the project expenditure, detailing cases of over and under expenditure; and the performance of the contract against its social targets for inclusion of SMMEs and labour.