

DNK & Associates
(Pty) Ltd

Designers | Planners | Engineers | Consultants
Project Managers | Technical Specialists

WE SHAPE THE FUTURE

Table Of Contents

| | |
|---------------------------------------|----|
| Introduction..... | 3 |
| Services Provided by the Firm..... | 4 |
| Contact Details..... | 5 |
| Company Equipment and Facilities..... | 6 |
| Computers..... | 6 |
| Vehicles..... | 7 |
| Other equipment..... | 7 |
| Staffing..... | 8 |
| DNK and Associates Projects..... | 13 |

WE SHAPE THE FUTURE

DNK & Associates (Pty) Ltd (from here-forth DNK) is a multi-disciplinary engineering and wholly owned citizen consultancy firm.

We provide engineering design, planning, project management and construction supervision services in all areas of the built environment.

We aim to provide a consistently excellent multi-disciplinary service incorporating our concern for the environment.

Our fundamental aim is to bring together the best professionals to meet our client's needs, to deliver projects that enhance the environment we live in and improve the quality of life of our people through close collaborations with our Clients and communities we work in.

DNK is registered with Public Procurement and Asset Disposal Board (PPADB) for Engineering Consulting Services.



DNK employs professionals that are registered with the local Engineering Registration Board. (ERB)

The Firm prides itself in undertaking work with integrity and employs staff whose ethics are built on team work, creative thinking, technical excellence and sustainable design.

Through our Network with local and international expert partners, we can call for collaborations on major projects when the need arises.

At DNK, we understand the nature of the major investments that our Clients commit to on projects as they aim to meet present expectations and future demands.

We have structures in place to help Clients achieve these objectives.

We work in multi-disciplinary team to ensure coordination between disciplines in order to meet project objectives.

We operate a quality assurance system and routinely review and audit our projects.

Our projects teams are structured to achieve clear lines of responsibility and communications with our Clients, Stakeholders and other Consultants

We offer a range of services spanning the full life cycle of projects from inception to completion and specialise in several major fields of practice including the following:

•Civil Engineering Services

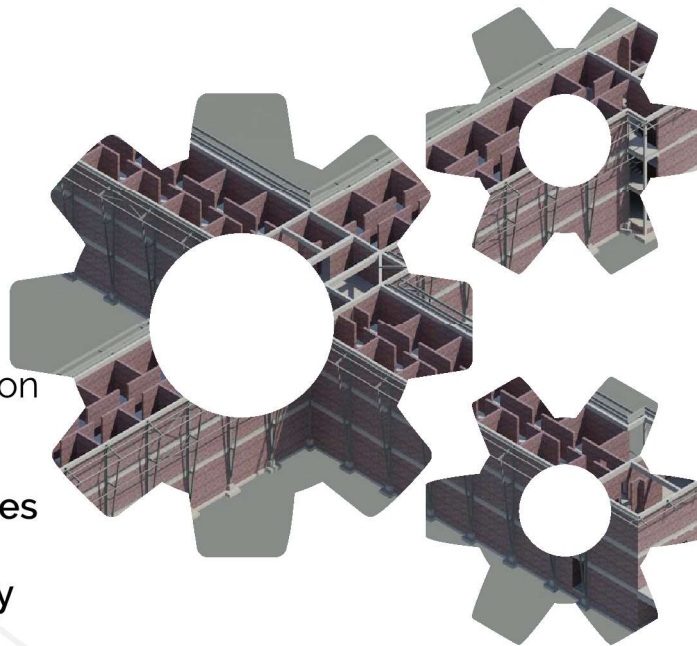
- Roads & Bridges
- Infrastructure
- Dams
- Airports
- Water and Sanitation

•Mechanical Engineering Services

•Engineering Survey

•Water Engineering

DNK is 100% citizen owned, employs a majority of Batswana and provide opportunities for Undergraduates from tertiary institutions to gain professional experience through internship program during the students' period of study as well as post-graduation.



•Geotechnical and Material Testing

•Mining Infrastructure

•Building Engineering

•Project Management

•Electrical Engineering Services

•Environmental Services, etc.

We are committed to the Citizen Empowerment drive.

| | |
|-------------------|--|
| Contact Person: | Davis Nkala, Managing Director DNK & Associates (Pty) Ltd |
| Physical Address: | Plot 145 Block B Ground Floor Unit 37 Gaborone International Finance Park |
| Postal Address: | P.O. Box 1599 Gaborone Botswana |
| Telephone: | 3111845 72303547 |
| Email | davis@dnkandassociates.com |



WE SHAPE THE FUTURE

The DNK office, located at the Gaborone International Finance Park, is a fully equipped administrative and engineering office with drafting, word processing, engineering design capabilities, and surveying facilities that enable DNK to successfully complete large-scale projects.

The office is fully air conditioned and equipped with:

- Email communication equipment
- 1 No. A0 roll feed Oce TDS100 photocopier
- 1 No. A0 roll feed Oce plotter capable of A0 scanning & copying.
- 1No. Xerox multifunctional printer/scanners (up to A3 size).

Our printers and scanners on our Local Area Network allow fast and efficient printing of documents.

Computing

The office is equipped with state of art IT, telecommunications, drawing production and reproduction, scanning facilities as well as dedicated (offsite) archive storage.

The IT system within Gaborone office conforms to the standard of Windows Server 2019 Active Directory Administration and Domain forest. Notable features of the network are as follows:

- Full virus scanning and spam filtering software
- 8No. computers with power regulation UPS and linked via CAT 6 network cable to LAN switch.
- A robust data storage system utilizing RAID 5 redundancy for data security.
- Fully licensed Microsoft Office 365 software for email, word processing, spreadsheets and other accessories.
- ACAD system incorporating licensed copies of AutoCAD 2014.
- A suite of civil engineering software including Civil Designer for Roads, HEC RAS for hydraulic modelling of storm water systems and Micro Drainage for Sewer Reticulation/storm water design
- Civil Soft Bill for windows- for Engineering Measurement and preparation of BOQ documents.
- GSA Building Design Version 8.4

Vehicles

- Toyota 4-wheel drive (D4D)
- Honda Fit

Other Equipment

The following survey equipment is available in DNK office:

- Total Station (1 No)
- Dumpy level (1 No)
- Global Positioning System (2 No)
- Radio +Charger (2 No)
- Digital Planimeter (1 No)
- Lasher (2 No)
- Tripods (1 No)
- Prism Stand (1 No)
- Ranging Rods (4No)
- Staff (2No)
- 50m tape (1 No) & 30m tape (1 No)
- Devon Electronic Tape (Digital Laser Distance Meter).
- Kodak Fz5 DSL camera
- Nikon DSL Camera

DNK & Associates boast of high caliber engineers, most of whom have worked entirely in the consulting engineering field.

The team is led by Davis Nkala, a qualified civil and structural engineer.



Davis Nkala, MSc, Pr. Eng, MBIE
Civil & Structural
Engineer
Managing Director

Years of Experience
over 33yrs

- infrastructure
- water and sewerage
- storm-water drainage
- bridges
- concrete and steel structures
- landfills
- clinical waste studies
- development projects throughout Botswana.
- Management, design and construction supervision.
- Quality control on a wide range of environmental, civil and structural engineering projects.



Robert Mmolawa, MSc Const., BEng (Hons) Civil, Pr. Eng, MBIE
Associate

Years of Experience
over 33yrs

- design
- construction supervision, Operation and Maintenance of water supply schemes
- tender documentation, tender evaluation and contract administration.

Robert Mmolawa is an associate in the firm and was a Deputy Director at Department of Water Affairs.



Ontlametse Matlho, BEng, Pr. Eng, MBIE

Senior Civil Engineer

Years of Experience
over 17yrs

- design and construction supervision of infrastructure works.

Ontlametse Matlho has worked entirely in the consulting engineering field, mostly with the highly regarded global firm Arup.



Shingie Lebang, BEng, Pr. Eng, MBIE

Civil & Environmental Engineer

Years of Experience
over 14yrs

- technical design
- site supervision
- project management
- team management
- project delivery controls

Shingie Lebang is a civil and environmental engineer with local and international experience having worked in the United Kingdom and in South Africa.

Projects include;

- Botswana International University of Science and Technology
- Francistown Stadium
- Molepolole Sewerage Scheme
- University of Botswana Infrastructure Development project
- Molepolole Institute of Health Sciences

Projects include;

- Botswana Innovation Hub
- Maun Water Supply and Sanitation
- Debswana's Orapa Hyper Saline Study
- Gaborone City Council's Non-Motorised Transport Study



Kabelo Motladi, HND-Land Survey

Surveyor

Years of Experience
over 30yrs

- site development
- water supply
- sanitation
- major roads
- major dams
- civil designer software



Neo Ditau

Administrator

Years of Experience
over 10yrs

- Bookeeping
- engineering
- administrative support

The engineering team is ably supported by Kabelo Motladi, a surveyor with immense experience in the civil engineering field.

Neo Ditau completes the team, offering administrative support giving engineers freedom to concentrate and timely deliver engineering aspects of projects.



Innocent Svodziwa

Senior Technician/BIM 3D Modeller

Years of Experience
over 25yrs

- 3D building information services
- ductwork and pipework design
- site survey
- draughting
- building services cad co-ordination
- AutoCAD software
- Revit MEP
- development of CAD systems and procedures
- comprehensive HVAC drawing production

- international standards and recommendations use of paper space, model space, Xrefs, clips and layer management systems.

Innocent Svodziwa provides 3D Building Information Modelling (BIM) to the firm. He has worked in production of comprehensive HVAC, Public Health and Electrical drawings for various projects such as Hospitals, Office developments and Industrial Parks, Learning Institutions, Subway Stations, Airports, Power Stations, Hotels and retail Shops mainly in the USA, Middle East, South Korea and Southern Africa.



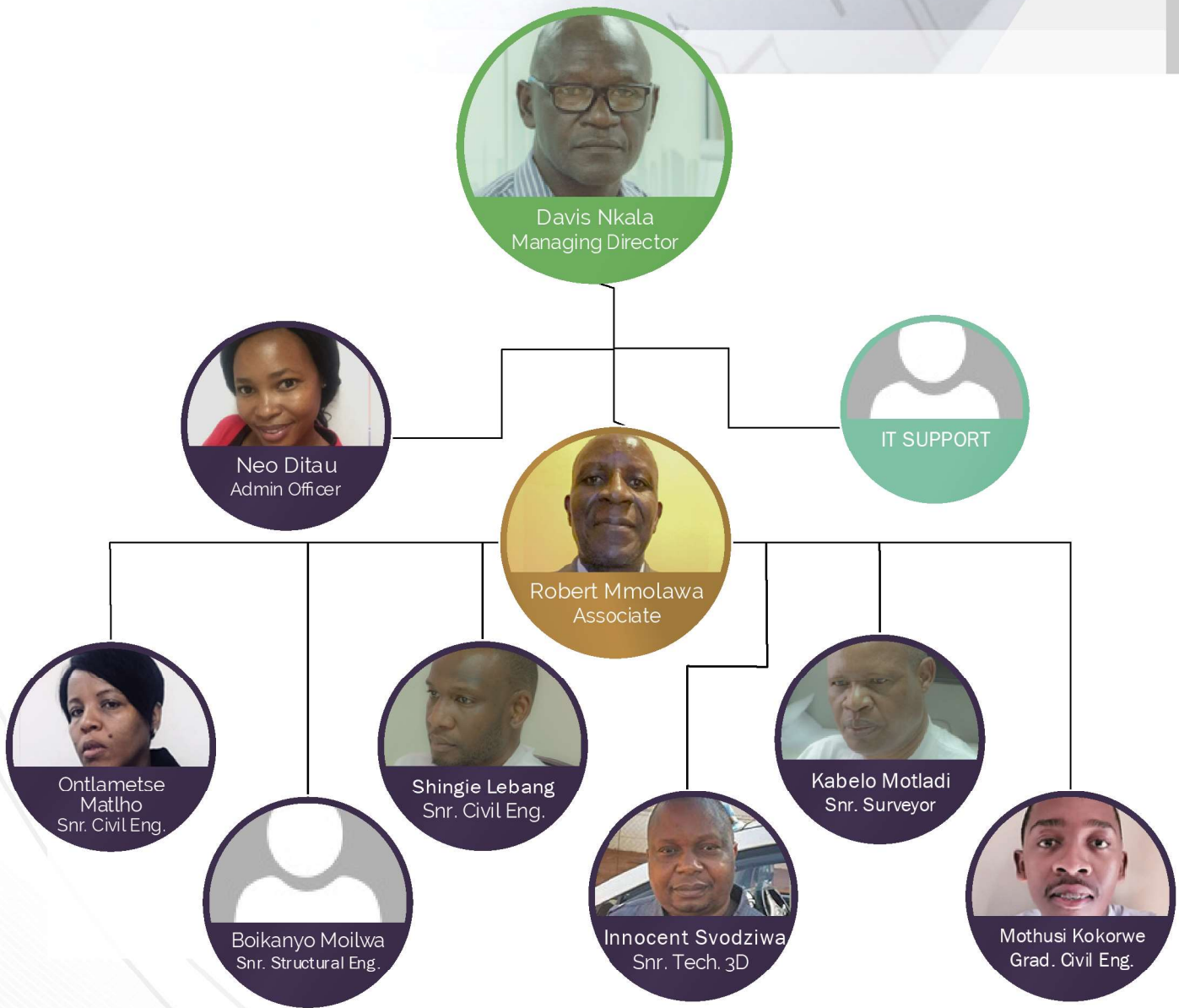
Mothusi Kokorwe

Graduate Civil Engineer

Years of Experience
over 2yrs

Mothusi Kokorwe is our intern.

He is a Registered graduate engineer with the Engineers Registration Board (ERB), has over 2 years increasing responsibilities in Civil / Structural engineering works and continues to increase his responsibilities in the firm.



Most of the above staff worked for the internationally renowned, global firm Arup.



We are working on several exciting, major projects that are strategic to the national vision of Botswana.



Maun Water and Sanitation is our largest project to date.

Scope of Works

- Project Consultants
- Design, Documentation & Construction Supervision

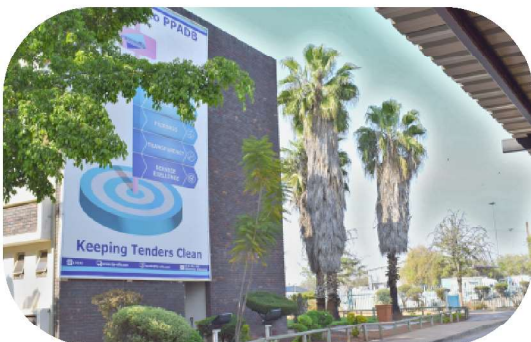
BUIST Student Hostels & Warden Residence

Scope of Works

- Civil and Structural Services



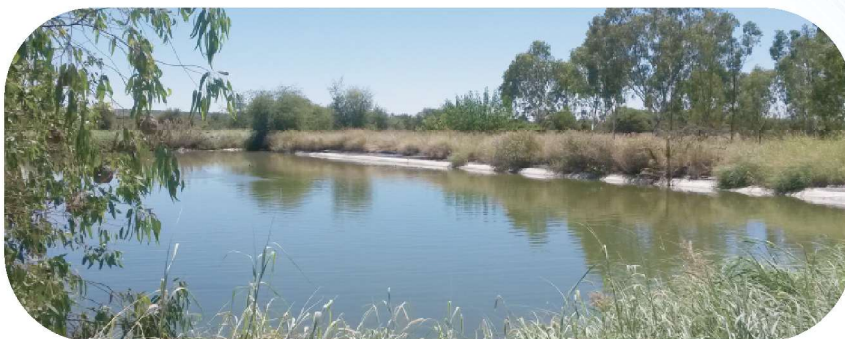
Public Procurement and Asset Disposal Board (PPADB)



Scope of Works

- Structural Assessment of PPADB Offices & Associates Civil, Electrical and Mechanical Services in Gaborone.

Molepolole Sewerage Scheme



Scope of Works

- Design review and Design Modifications
- Tender Documentation, Management & Construction Supervision of Molepolole Sewerage Scheme.

The following is a statement of works successfully executed by DNK & Associates:

| Employer, contact person and telephone number. | Description of contract | Value of Contracted Works (Contract Value) | Date Completed |
|--|--|--|------------------|
| <p>Programme Management Office Contact person: Mr. G. Dintwa Tel No: 365 6600</p> | <p>Maun Water and Sanitation Upgrade Phase II (In Joint Venture with Haas) The project entails upgrading of the water supply and sanitation schemes to cover the whole of the Maun Buildable area. DNK is the project consultant and is undertaking the project in Joint Venture with Haas Consult. The consultancy services include conceptual design, tender documentation, tender management and construction supervision. The project entails wellfield assessment and connection, potable water treatment plant, bulk water transmission mains and village reticulation. The total potable water pipe length is roughly 630km. It also includes sewerage flows, sewer reticulation (gravity and vacuum) and wastewater treatment works. The project is being let out as a design and build and has been broken down into four different contracts, each with its own tender documents and tender management process. Currently, only one Contract has been let out.</p> | <p>Approx. BWP 3 Billion</p> | <p>Ongoing</p> |
| <p>G. North Cell Cluster 101 Contact person: Mr G. Kombani Tel No:</p> | <p>Gaborone North Cell 101 Water Reticulation Project The project objective is to provide a detailed design for the water reticulation to Cell 101 in Gaborone North. DNK and Associates are the project design consultant tasked with the detailed design including demand assessment, preliminary design, detailed design of 7km of pipeline and tender documentation. The project is undertaken as per the WUC standards and approvals are through WUC to allow for adoption of the scheme once completed</p> | <p>BWP 1.2 Million</p> | <p>Completed</p> |
| <p>Botswana International University of Science and Technology Contact person: Mr Mphengula Tel No: 490 0117</p> | <p>BIUST Student Hostels and Wardens Residence DNK & Associates is the civil and structural engineer on the project and has carried out the bulk earthworks including coming up with innovative solutions to minimise the amount of blasting in the already built up environment adjacent to existing hostels and staff residences. The civil design comprised potable water & firefighting, sewer reticulation, roads and stormwater drainage. The structural design entailed design of foundations, concrete specifications, load bearing walls and architectural entrance canopies as well as shading devices for student hostels and two wardens' residences. The total potable water pipe length is approximately 1.1 km The project is currently in construction phase with DNK& Associates providing site supervision through a Resident Engineer and head office support.</p> | <p>BWP 96 Million</p> | <p>Completed</p> |
| <p>Programme Management Office Contact Person: Mr Basinyi Tel No: 365 6600</p> | <p>Molepolole Sanitation project The projects objective is to provide a sanitation schemes that covers the entire Molepolole. DNK& Associates are the project consultant in Joint Venture with Haas Consult. The design consultancy includes a review of the design that was carried out by another consultant, design modifications, tender documentation and tender management. The project also includes design of wastewater treatment plant. DNK and Associates will supervise the construction works and defects liability after construction contract award. Currently, the design modification is awaiting the issue of a detailed topographical survey which the Client (PMO) is sourcing separately.</p> | <p>BWP 1.6 Billion</p> | <p>Ongoing</p> |

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