

Corporate Profile



Company Beliefs

Our Mandate

To deliver high-quality, cost-effective projects on schedule by employing and supporting motivated, flexible, and focused teams. We value the importance of our relationships and will continue to remain fair and true in our transactions

Our Mission

To participate in the development of Botswana and neighbouring countries by being involved in the construction of buildings and infrastructural projects

Our Vision

TKM Engineering (Pty) Ltd will be the leading Building and Civil Engineering Construction Company in Botswana and make a mark in the SADC region.

Our Values

- Dedication
- Honesty and Respect
- Professionalism
- Trust and Transparency

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Managing Director's Comment

The Construction Industry accounts for over half of the development budget of the country each year. Accordingly it has the potential to create thousands of jobs and spearhead the development of a country. Critical as it is, in Botswana, it is the sector of choice for anyone who has failed in his first chosen career. The consequences are incomplete projects, poor workmanship and corruption just to identify a few.

At TKM Engineering, we believe that construction is a very complex field which needs proper academic training and sound practical training which is continuous and evolving. The academic training gives one the basic theory on construction concepts while the practical training will develop one's understanding of the theoretical concepts. Once you possess both training regimes, you begin to understand the complexities of the industry and the daunting task of undertaking a multimillion pula project. There is a general misconception that any contractor awarded a multimillion pula project, will eventually make multimillion pula profits. The misconception has attracted all kind of people into the industry and some spend the anticipated multimillion pula profits before they can even start the project. Unfortunately this state of affairs has damaged the industry to a point where the general public believes it is in the wild-west where the fittest can make a quick buck.

At TKM Engineering, we seek to be different and recognise the importance of the industry to the country, the potential it holds and the complexity of delivering a construction project. To participate in TKM Engineering, it is a pre-requisite to have relevant academic training and/or practical training in the sector. Continuous training and improvement will remain at the core of the business. We admire our successfully completed projects rather than the profit we made and cherish our longevity on the industry more than what we accumulated over a short period of time.

As the Founder and Managing Director of TKM Engineering, I have big dreams which will not be realised during my tenure but I can only hope that they are realised during my lifetime. It is also my wish that my dreams are not the end for the company but rather the start of other people's dreams which I cannot even contemplate.



Mr. Tshotlego Chibere Kagiso (T.K.)
Managing Director



Overview of TKM Engineering

A rising engineering giant with a keen eye on the future

The building and construction sector in Botswana can be seen as an area with particularly immense room for innovation, especially when leveraging off the data rich and connected environment of a technologically driven economy and an appropriately savvy society. Botswana needs a distinct class of highly skilled and motivated citizen entrepreneurs who can champion and drive the bold transformational agendas needed to shape our futureproof infrastructure and built environment of tomorrow, starting right from today.


TKM Engineering (Pty) Ltd is one such company, founded in 1992 by then an engineering student, who had a dream to one day spearhead a world-class Building and Civil Engineering Construction Company in Botswana and the preferred Engineering Service Provider locally, regionally and internationally.

In 1995, TKM Engineering was incorporated as a 100% citizen owned company. Directed by the Managing Director, Mr. Tshotlego Chibere Kagiso (known as T.K), who has drawn on the extensive experience and knowledge acquired over the years; TKM Engineering has since grown in leaps and bounds; spreading its footprints to Palapye and in the mining towns of Jwaneng and Orapa.

The fledging TKM Engineering head office is situated at Plot 68289, Morula Industrial Park, Phakalane, Gaborone; in their cutting-edge building that was solely designed and built by the company.

Mr Kagiso and his team can't help but feel their hearts swell with pride at the gleaming contemporary edifice lying in the affluent suburb of Gaborone. The remarkable office block is a resplendent ultra-modern building with spacious offices, a well-equipped training room as well as their own server room fitted out with fibre optic cables to ensure fast bandwidth for internet. A fancy polymer signage boldly sits at the façade of the building; whilst the paved, well-marked parking spaces and the garden give a beautiful enriched look to the building. The building boasts a warehouse apportioned to keep different kinds of materials separately until they are needed for use. Right outside the warehouse is a large open area landscaped which translate into ample capacity for parking space for light and heavy vehicles, as well as heavy plant and machinery. The staff has a full furnished cafeteria for their tea and lunch breaks; and if they desire the fresh air outside there are wooden benches and seats where one can sit and enjoy Mother Nature.

Mr Kagiso is anchored by Mr Boipuso Masala and Mr Zenzo Mabutho; and together they pride in employing some of the country's most qualified engineering professionals. All in all TKM Engineering has a staff compliment of two hundred and fifty (250) employees including management with access to a large roster of serviceable light and heavy vehicles, plant and equipment. For any resourcing gaps that might become evident on any given project, the company maintains reliable credit facilities with reputable hire companies that can rapidly deploy to assist. On the human resource front, TKM Engineering regularly employs additional personal depending on the workload available. Strategic alliances are also in place on an ongoing basis, guaranteeing specialist support from a variety of companies and individuals in such fields as electrical and mechanical construction.



The firm has management duties dispensed by a distinguished team of qualified and uniquely experienced engineering professionals. Across the company, the TKM Engineering team offers expertise in project management and design in the specialized fields of road, water, sewer, storm water drainage and structural designs. It is a highly capable enterprise that is not only well equipped and appropriately resourced to deliver engineering solutions within and beyond Botswana's borders, but has clearly demonstrated its prowess in handling civil engineering projects of medium to large scale over the years.

To this date, TKM has completed to a high level of satisfaction, a range of civil engineering projects that include water pipe lines, sewer reticulation, roads, storm water drainage, culvert construction, large pipe construction, concrete structures and water treatment plants. At the other end of the scale, the company has also notched up an extensive record of successful and ongoing engagements in the maintenance of buildings, with numerous contracts on their books, which involved painting, roofing, carpentry, plumbing as well as general repair and replacement.

The company's full bouquet of services currently includes Building Construction Works and Maintenance, Civil Engineering Works (Roads, Earth Works, Storm water and Concrete Works), Water Reticulation and Irrigation Works, Water and Sewer Works, General maintenance of buildings, Domestic and Security fencing including Electric Fencing.

Further to this however, TKM differentiates itself by handling different kinds of custom-made building construction to the highest degree of customer specifications, particularly on projects that include residential houses, warehouses, commercial buildings, office buildings and fencing works.

TKM Engineering is currently registered with the Public Procurement and Asset Disposal Board (PPADB) under numerous categories which allow for the company to operate within the legal parameters within the construction industry. The company is registered under these categories:

- **Civil Engineering Works** – Water Supplies, Sanitation Reticulation and Irrigation Works (Grade C)
- **Building Construction Works and Maintenance** – Building Construction (Grade E)
- **Civil Engineering Works** – Construction (Roads, Infrastructure, Airfields) (Grade D)

Meet the Key Management



Mr. Tshotlego Chibere Kagiso (T.K.)
Managing Director

Mr Kagiso is a qualified Civil Engineer who practiced as a professional consulting Engineer for twelve years prior to launching TKM Engineering. He brings to the company a wealth of experience in project management, civil engineering design and construction. Mr Kagiso extends his knowledge and equips his team with skills that will make them experienced and the best engineers in the country. He is an honorable man, passionate about achieving his goals and betterment of his employees. Mr Kagiso is trustworthy in decision making, addressing career strategy, leadership development, professional positioning and continuous upliftment of TKM Engineering brand.



Mr. Boipuso Masala
Director

Mr Masala is a qualified Civil Engineer, joined the company in January 2005 as a director. Prior to assuming this position, Mr Masala was a director of NMA Consulting, a local consulting firm. He brings to the company a wealth of experience and acquired knowledge gained while at NMA Consulting. Mr Masala has a substantial background in civil engineering design and contract administration.



Mr. Zenzo Mabutho
Director

Mr Mabutho is an experienced construction manager with a degree in Construction Engineering and Management from the University of Botswana. He joined the company in 2006 as a graduate engineer and showed hardwork, commitment, loyalty and capability which lead to his appointment as Director. Mr. Mabutho handles the Jwaneng office with management of projects and the office at large.

Operational Areas



Past Key Projects Undertaken

Upon its formation in 1992 TKM Engineering successfully completed several projects most of them being minor maintenance work for Government through the Department of Architecture and Building Services.

In 2003 the company started to be involved with major construction works which included resident complexes, offices, warehouses, multi-purpose halls, shopping complexes and sport complexes. Major civil engineering prospects were also undertaken which included portable water schemes, sanitation schemes, large reinforced concrete structures and bulk earthworks. A select list of completed prospects is attached.



Earthworks and Roads



Dam7 Slimes Return Water Pipeline Upgrade at Jwaneng Mine

Client:	Debswana – Jwaneng Mine
Project Title:	Construction of The Slimes Dam 7 return waterline and silt trap
Contract Duration:	8 Months
Value of Project:	P15 million
Location:	Jwaneng Mine

The following activities formed part of the project;

- Clearing and grubbing
- Excavations
- Major earthworks including importation and compaction of gravel
- Laying of 600mm diameter steel pipes
- Laying of 1m diameter concrete pipes
- Major reinforced concrete works
- Construction of concrete structures
- Fencing works



Morupule Ash Dam Rehabilitation

Client:	Botswana Power Corporation
Project Title:	Rehabilitation Of Morupule "A" Power Station Ash Dam
Contract Duration:	18 Months
Value of Project:	P55 million
Location:	Palapye

The project entailed the following construction activities;

- Cut and fill ash for volumes over 400 000m³
- Lining of ash dam with a Geocomposite drainage liner area over 180m²
- Subsurface drains of over 4Km
- Lined surface drains over 2Km
- Stormwater ponds with volumes of over 80 000m³
- Gravel roads of over 4Km

Fencing



Fencing Works for Phakalane Estate

Client:	Phakalane Estates (Pty) Ltd.
Project Title:	Phakalane Estate Fencing Works
Contract Duration:	5 Months
Value of Project:	P3.5 million
Location:	Gaborone

The work entailed the following;

- Installation of ClearVu fence
- Installation of palisade fence
- Installation of farm fence using gum poles



Orapa EMV&LGV-HVG Workshops

Client:	Debswana Diamond Company – Orapa Mine
Project Title:	Orapa EMV and LGV-HVG Workshops relocation project final fencing
Contract Period:	6 Months
Value Of Project:	P2.5 million
Location:	Orapa Mine

The works included the following;

- Clearing the fence line
- Setting out and excavations for fence posts
- Installation and concreting fence posts
- Installation of fence
- Installation of stacked razor coils

Warehouses and Buildings



Mining Workshop

Client:	Debswana Diamond Company
Project Title:	Construction Of Proposed Mining Engineering Workshops
Location:	Jwaneng Mine
Project Value:	P32 million
Contract Duration:	10 Months

The project consisted of the following activities;

- Construction of a 2600m² workshop with a 730m² office block which comprises of ablutions, eating area and two kitchens
- Supply material, fabrication, sand blasting, painting, delivering to site and erection of 125 ton steel structure
- Installation of 3200m² of 0.8mm Chromadeck IBR Roof sheets
- Installation of 1500m² of 0.6mm Chromadeck IBR cladding sheets
- Supply office furniture
- Supply, Install and commission Gorman Rupp T3A3S Bare Shaft Pump
- Construction of water and sewer reticulation
- Casting of 700m³ of reinforced concrete
- Paving 1300m² with heavy duty interlocking bricks
- Painting of 2500m² floors with epoxy flooring paint
- Installation of plumbing, electrical and mechanical works
- Installation of two 20 ton overhead cranes



ET19-20 Workshop

Client:	Debswana Diamond Company
Project Title:	Construction of Primary Crusher Maintenance Pad At ET19/20 Workshop
Location:	Jwaneng Mine
Project Value:	P29 million
Contract Duration:	9 Months

The project consisted of the following activities;

- Construction of two workshops with an office block of 300m²
- Supply material, fabrication, sand blasting, painting, delivering to site and erection of 37 ton steel structure
- Refurbishment and erection of 134 ton of pre used steel structure
- Installation of 2500m² of 0.8mm Chromadeck IBR Roof and cladding sheets
- Supply office furniture
- Supplying, Installation, connecting to the existing sewer line and commissioning Gorman Rupp T3A3S Bare Shaft Pump
- Construction of water and sewer reticulation
- Casting 200m³ of reinforced concrete.
- Paving 1200m² with heavy duty interlocking bricks
- Painting of floors with epoxy flooring paint.
- Installation of plumbing, electrical and mechanical works

Water and Waste Water



Waste Water

Upgrading of Ramatlabama Border Post External Works

Client:	Botswana Unified Revenue Service (BURS)
Location:	Ramatlabama Border Gate, Botswana
Value:	P3.5 million
Duration:	6 Months

**Upgrading of some external works for Ramatlabama Border Post;
which included the following works:**

- Construction of sewage pipelines
- Construction of transpiration bed and lining it with HDPE geomebrane liner
- Construction of potable water storage tank on a 9m steel stand



Waste Water

Waste Water Treatment Plant Upgrades at Jwaneng Mine

Employer:	Debswana-Jwaneng Mine
Location:	Jwaneng Mine
Value:	P14.5 million
Duration:	8 Months

The project entailed the following activities;

- Clearing and grubbing
- Major excavations
- Major earthworks including importation and compaction
- Reinforced concrete works and shuttering
- HDPE lining
- Brickwork and plastering
- Pipe installation
- De-sludging of existing ponds

Water and Waste Water



Waste Water

Jwaneng Waste Water Utilisation Project

Client:	Debswana Diamond Company – Jwaneng Mine
Location:	Jwaneng, Botswana
Value:	P48.5 million
Duration:	12 Months

The project construction scope consists of the following major Works. This project is a multi-disciplinary project, covering numerous aspects of construction in sizeable portions.

- Construction of two (2) new pump stations and installation of new pumps; one located at the township and the other one inside the mine
- Construction of 9.5km of pressure pipeline consisting of 7.5km of 200mm steel pipe and 2km of 250mm HDPE pipe. The steel pipe is laid on top of concrete plinths and the HDPE pipe is laid underground
- Construction of a new HDPE membrane lined storage dam/pond inside the mine with both inlet and outlet concrete structures
- Upgrading of both the existing township and mine blue area dam/pond by constructing new inlets and outlets structures
- Construction of 45m³ Blending Inlet Chamber and 200m³ Chlorine Contact Tank
- Design, supply and install chlorine gas dosing treatment plant, including the dosing building
- Supply and install Emergency chlorine Gas Dry Scrubber
- Construction of new bulk electrical power infrastructure for the new pump stations and chlorine gas treatment plant
- Installation of Control and Instrumentation for full automation and control by SCADA the new infrastructure



Water Projects

Goodhope Water Project

Client:	Water Utilities Corporation
Project Title:	Design, Supply, Installation and Commissioning of 200m ³ Galvanised Steel (GS) Tank On 15m stand in Goodhope village including a 10Km UPVC Pipeline in Goodhope & Pitsane villages
Location:	Goodhope And Pitsane Villages, Botswana
Value:	P8 million
Duration:	6 Months

Design and construction of 200m³ galvanized steel tank on a 15m stand in Goodhope village including 6km of 200mm uPVC water pipeline in Goodhope village and 7km of 200mm uPVC water pipeline in Pitsane village. The design for the whole project was carried in house by TKM Engineering engineers.

Water and Waste Water



Water Projects

Construction of Slimes Pipeline for Dam 8

Client:	Kalcon (Pty) Ltd
Project Title:	Construction of Civils and Mechanical/Piping and Steel Works for Dam 8 at Jwaneng Mine
Location:	Jwaneng Mine
Value:	P12 million
Duration:	12 Months

Construction of pressure steel pipe line laid on concrete plinths. The Works also included fabrication and installation of pipe line valve stations.



Corporate Social Responsibility

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Corporate

Social

A history of bringing hope, love and support to the vulnerable and less privileged

The future of any nation lies in its children, and every child should be nurtured and cared for, in order to thrive socially and flourish emotionally as a responsible and productive member of society. For many years, a number of factors have torn through communities unchecked. These permanently separate infants and youths from their breadwinners, parents and carers alike, and in most cases, expose them to the unspeakable ills that come with homelessness and poverty. The collateral damage from these circumstances would inevitably hinder their progress on the rocky path to adulthood, in a horrifyingly vicious cycle.

It was therefore pivotal to ensure that TKM Engineering should include the setting up of Corporate Social Responsibility (CSR) engagements that would assist in the upliftment of the Botswana communities. For TKM Engineering, CSR is not regarded as an obligation or a means to earn admiration; but it's a passion with no expectations of anything in return.

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Construction of a house for a family at Matlhakola Village

In 2015, the Morupule Cycling Club approached TKM Engineering with an idea to assist a less privileged family residing at Matlhakola village. The family which consisted of four siblings who lost their parents were identified by the Village Development Committee. TKM Engineering has been working at Morupule Coal Mine since 2010 and the request for assistance came as an opportunity for TKM Engineering to give back to a community near our working area. TKM Engineering agreed to partner with Morupule Cycling Club by offering to provide labour and tools to build the house free of charge.

The works included the following:

- Connection and Installation of water to site
- Excavation and construction of foundation
- Superstructure brickwork and plastering
- Roofing and ceiling
- Plumbing works for toilet, bath and kitchen complete with geyser
- Floor and wall tiling
- Glazing and painting
- Electrical Installation
- Construction of a septic tank and soak away

During the construction of the house TKM Engineering employed 6 young men from Matlhakola village to work on the project which lasted 2 months. Four of these young men have found permanent employment with the company and were posted to other projects.

Corporate Social Responsibility

Below is a table of various CSR PROJECTS undertaken by TKM Engineering:

Project Number	Date	Location	Description	Beneficiary	Amount Disbursed BWP
1	28/10/2015	Matlhakola Village	Construction of a house for an under privileged family	Orphaned children at Matlhakola village	P40,000.00
2	10/11/2015	Palapye	Construction of a car park and waiting area for school children	Kgaswe Primary School	P25,000.00
3	17/12/2015	Tlokweg	Food	Tlokweg Primary School	P5,000.00
4	18/12/2015	Tlokweg	Clothes	SOS Children	P15,000.00
5	06/09/2016	Serowe	Price Giving Sponsorship	Metsimasweu JSS	P4,500.00
6	25/04/2017	Jwaneng	Gala Dinner	Diamond of Hope	P12,000.00
7	05/07/2017	North East	Canon Cartridge	Kalakamati Primary School	P2,601.76



Project Number	Date	Location	Description	Beneficiary	Amount Disbursed BWP
8	19/08/2017	Jwaneng	Debswana Charity Walk	Jwaneng Community	P10,000.00
9	11/09/2017	Gaborone	Marathon	Gaborone City Council	P5,000.00
10	04/10/2017	Khakhea	Sponsoring Maths, Science, Design & Technology	Molongwa CJSS	P3,150.00
11	09/02/2018	Jwaneng	Sponsoring Football Tournament	Jwaneng Community	P5,600.00
12	28/03/2018	Jwaneng	Sponsorship for Team Jwaneng Bikes & Quads	Jwaneng Team	P17,767.68
13	04/09/2018	Orapa	Charity Walk Sponsorship	Orapa Community	P12,000.00
	Total				P157,619.44

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On the human resource front, TKM Engineering regularly employs additional personal depending on the workload available.

Strategic alliances are also in place on an ongoing basis, guaranteeing specialist support from a variety of companies and individuals in such fields as electrical and mechanical construction.

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TKM
ENGINEERING
Partners & Clients Making Construction

EXTENSION
RECEPTION
KADDO
MASALA
MABUHO
KELERLESE
TSHONG

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