



SEFAKO
ENGINEERING

*Engineering a Sustainable **Future***

About Us

Sefako Engineering is a diversified Infrastructure Development and Consulting Services company. Our core capabilities are Construction and Professional Services. These capabilities span across various functions including Roads & Stormwater, Water & Sanitation, Electrical & Electronic Engineering, Solar Energy and Buildings.

The company is wholly owned and managed by historically disadvantaged individuals, with a staff complement of over 40 employees. The team consists of professional engineers, qualified candidate engineers, qualified electricians and construction managers, who have worked on a diverse set of multi-million Rand projects. This team has gathered experience across the engineering and construction value chain, including engineering design, construction management, project management, transport economics, PV (solar) systems (residential and commercial), “traditional” power systems, and industrial operations management. We utilise the combined experience of senior specialist professionals with years of experience in holistic civil and energy infrastructure management strategy and provide technical support to financial advisory professional. All this enables the company to deliver quality, effective and efficient solutions.

The company is registered with the Construction Industry Development Board (CIDB) and National Home Builders Registration Council (NHBRC). We currently have the following CIDB gradings:

1. Grade 8 CE PE
2. Grade 7 GB PE
3. Grade 7 SQ PE
4. Grade 6 ME PE

This experience positions us well to delivery on speciality projects and turnkey solutions.

Our company has nurtured healthy working relationships and joint venture partnerships with formidable players in the construction industry across the entire value chain. These relationships, coupled with sound skills transfer programmes enhance our capability to fulfil complex contracts and grow in skills and knowledge.



Our Purpose and Vision

PURPOSE

Our purpose as a company is to be an active and sustainable partner in the development and management of our Country and Continents' infrastructure and resources.

VISION

Our vision is to be the infrastructure development partner of choice for our clients, communities, and employees.

VALUES

Sustainable and value creating solutions
Engineered and innovative outputs
Focused and quality delivery
Accountable and trustworthy partner
Knowledge and technical mastery
Objective & collaborative solution development



Our Team



DR. SEFAKO MOLEKWA (Pr. Tech Eng.)
FOUNDER AND EXECUTIVE CHAIRMAN

Sefako is a seasoned academic, entrepreneur and engineer. He has more than 25 years' experience in the engineering and construction industry. His skills range from design and construction supervision to project management. His hands-on experience covers concrete dam construction, water treatment works, water systems and road projects. He has mentored various emerging construction and consulting companies. Sefako holds a Doctorate in Project Management and Project Finance from the Paris School of Business, an MBA from De Montfort University and a BTech in Civil Engineering from the University of Johannesburg. His affiliations include Project Management South Africa, ECSA, WISA, IMESA, IPET and SAICE.



MR. MULIFHO MUKHUBA
VICE CHAIRMAN

Mulifho is an experienced and pragmatic financial manager, with 20 years' experience in finance. He has held various finance management and control roles in a plethora of industries including mining, real estate, finance institutions, hospitality, logistics, construction, and engineering. Mulifho holds a BCom in Accounting from the University of University of KwaZulu Natal and Graduate Certificates in Taxation from the University of Pretoria. He is an affiliate member of the Black Management Forum.



MR. THATOYAONA MOILOA
CHIEF EXECUTIVE OFFICER

Thato is a skilled strategist, business manager and innovator. He has experience in business & product development, business & process analysis, business architecture, strategy development, reporting and innovation management. He has served as an Executive Associate to two Chief Operations Officers at Old Mutual Limited. He holds a BEng in Industrial Engineering from the University of Pretoria, a National Diploma in Applied Project Management from Faculty Training Institute and a Disruptive Strategy Certification from Harvard Business School Online.



MR. OBED GOZA (Pr. Eng.)
CHIEF OPERATIONS OFFICER

Obed is a classic designer, strategist, and project manager. He has been practising as a consulting civil engineer for over 25 years in various municipalities and government departments in South Africa, Zimbabwe, and Botswana. His professional experience includes the design and construction supervision of municipal services covering water supply, wastewater disposal roads and stormwater. Obed holds a BSc Honours in Civil Engineering from the University of Zimbabwe and an MSc (Municipal Water Infrastructure) from IHE Delft Institute for Water Education. He is a member of SAICE, a registered Professional Engineer with ECSA and holder of a Level 7 Certificate in Labour Intensive Construction (LIC).



MS. LETHUBUHLE ZULU CA(SA)
CHIEF FINANCIAL OFFICER

Lethu is a passionate and meticulous chartered accountant. She has extensive audit experience from Ernst and Young (EY) Inc., where she audited various organisations in the mining and petroleum industry. She has also practiced as an accountant, responsible for various finance processes. Lethu hold a BCom in Accounting and a Post Graduate Diploma in Accounting Sciences from the University of Johannesburg. She is affiliated with SAICA as a qualified chartered accountant.

Our Services:

The company's team has over 40 years' combined experience in civil and electrical engineering and related fields, thereby equipping Sefako Engineering to handle complex projects efficiently and successfully. At Sefako Engineering, we appreciate that the successful completion of any project requires that all stakeholders' expectations be met, and the product should continue to meet expectations throughout its life.

We have therefore adopted a holistic approach to every project, involving all stakeholders (the client, the community, the contractor and others) in all facets of project planning and implementation. After project completion, we continue to hold ourselves professionally responsible and accountable for the project and provide post - completion support to the client, contractor and end users wherever necessary

We have two core capabilities: Construction and Professional Services. These capabilities span across three main functions: Roads & Stormwater, Water & Sanitation, Electrical & Electronic Engineering, Solar Energy and Buildings.

CONSTRUCTION

Our dedicated construction team works diligently to deliver results within the stipulated time, quality and according to the project program. The company is currently in the process of acquiring ISO 9001, ISO 14001, and OHSAS 18001 certification. This is to ensure that we continue to guarantee our clients quality in all our projects whilst preserving our environment. Our contracts are governed by recognized standards such as the GCC, JBCC, NEC and FIDIC principles. This ensures that we maintain alignment with our clients through the duration of our projects.

Roads and Stormwater

- Construction of rural, urban, provincial and national roads
- Construction of infrastructure for stormwater disposal and reticulation

Water and Sanitation

- Construction, maintenance, refurbishment and upgrade of water treatment plants together with new and existing water pipelines.
- Construction, maintenance, refurbishment and upgrade of wastewater treatment plants and Wastewater infrastructure.

Buildings

- Construction of residential, commercial, industrial and sports facilities, including education centers, housing developments and various and mixed-use developments.
- Township establishment and construction of township services and public housing.
- Erection of steel security fencing and precast concrete security fencing.

Electrical & Electronic Engineering (Design, Installation & Maintenance Services)

- Substation & Switching Stations
- Electrical network & management systems for Buildings
- Cathodic Protection
- UPS & Standby generator systems (Turnkey)
- Instrumentation & Lighting Protection Control Systems
- Earthing & Instrumentation & Lighting Protection
- High, Medium, & Low Voltage Connections
- UPS & Standby generator systems (Turnkey)
- Solar PV Systems - Commercial & Residential

PROFESSIONAL SERVICES

Consulting Services

Our design team is devoted to delivering innovative and sustainable designs that abide by the Engineering manuals such as the South African Bureau of Standards (SABS), Colto and Red Book. We collaborate closely with clients through all the six stages of the ECSA project cycle from Stage 1 (Inception) to Stage 6 (Close out). This ensures industry competitive cost estimates for each design stage and programs for accurate planning. Our design experience extends to Roads & Stormwater, Water & Sanitation and Buildings.

Roads and Stormwater

- Designs for the rehabilitation and construction of rural and urban roads
- Provide services for stormwater disposal and reticulation
- Development of roads and stormwater masterplans

Water and Sanitation

- Wastewater disposal services (bulk, reticulation, treatment)
- Water supply services (bulk, reticulation, storage, treatment)

Electrical & Electronic Engineering

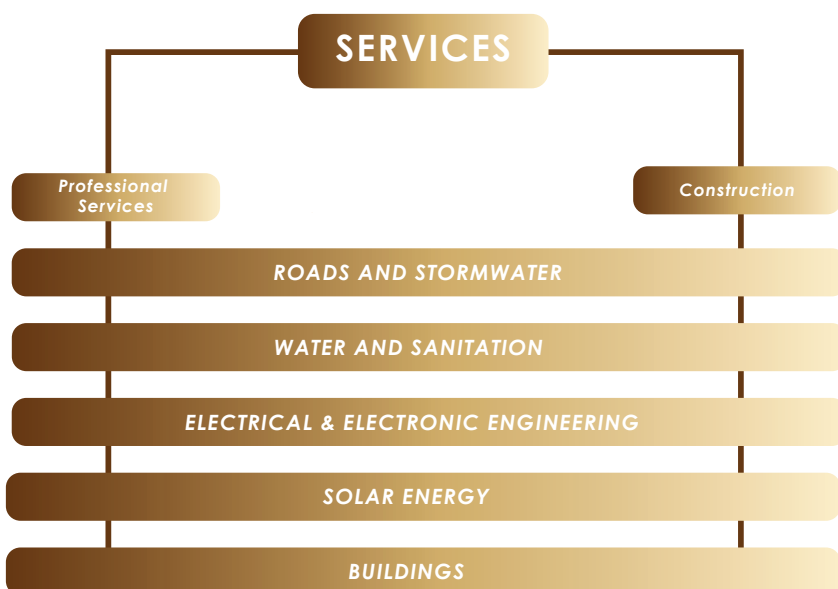
- Substation Design
- Powerlines Design
- Electrification Design
- Master planning
- Energy Audits
- Technical feasibility studies
- Technical Due Diligence for Project Financing
- Site Supervision
- Contract Management & Administration
- Power Purchase Agreements (PPAs)

Buildings

- Provision of building plans

Project Management

Our project managers are there to assist clients in managing projects through each stage of the project cycle. We are there to manage the project teams and resources, ensuring that all works are done to meet the client's expectations in all the knowledge areas the most important of these being scope, quality, time and budget. We believe that the success of any project lies in the hands of a competent project manager.



Sefako Engineering is a registered Level 1 BBBEE level contributor and has the following certifications / registrations / memberships:

- i. Construction Industry Development Board (CIDB) as grades 8 CE PE, 7 GB PE, 7 SQ PE, 6 ME PE
- ii. National Home Builders Registration Council (NHBRC)
- iii. Bargaining Council for the Civil Engineering Industry (BCCEI)
- iv. Compensation for Occupational Injuries and Diseases (COID)
- v. Central Supplier Database (CSD)

Our Projects:

Current / Previous Construction Work Experience

Project Name	Client	Contract Value	Year Completed
ROADS AND STORMWATER			
Upgrade of roads and stormwater systems in Mabopane and Winterveldt area: Mabopane Block u: Thirty-Six (36) month period, with effect from commencement date	City of Tshwane	R 42 million	current
Maintenance of roads and stormwater	City of Tshwane	R 28 million	2020
Upgrading of approximately 2.8km of Gravel Street in Campbell	Siyancuma Municipality	R 16 million	2019
Turnkey Design and Construction of Roads and Internal service at Emzinoni Ext 11	Octics Developers (For Govan Mbeki Local Municipality)	R 72 million	2017
Upgrading of Stormwater Drains	Mogale City	R 260 210	2011
Design and construction sup of road D119	Northwest Department of Roads and Transport	R 65 million	2010
Design and construction sup of road D414	Northwest Department of Roads and Transport	R 43 million	2008
WATER AND SANITATION			
Panel of contractors / services providers for installation of water meters, as and when required for a period of three years	Ngwathe Local Municipality	R 15 million	current
Repairing of appurtenant works required due to maintenance and construction of water works within the City of Tshwane	City of Tshwane	R65 million	current
Water demand management	Rustenburg Local Municipality	R 44 million	2021
Erection of 3ML Steel Tank at Tierkloof, Rustenburg	Rustenburg Local Municipality	R 8.7 million	2021
Project GSMD 124/2013 - Turnkey Design and upgrading of the Amersfoort wastewater treatment works and sewer reticulation: Dr Pixley ka Isaka Seme Local Municipality	Gert Sibande District Municipality	R 11.1 million	2015
BUILDING			
Construction of 14 classrooms, refurbishing of 12 classrooms, admin block, science, and computer laboratories. Upgrade fencing, demolish 12 classrooms and 2 hostels, drill and equipment borehole and provide 70KL water storage tanks, Kwashuku Secondary School in Gert Sibande District, Mpumalanga	Mpumalanga Public Works, Roads and Transport	R 46 million	2018
Appointment for construction of a new oakley clinic in Bushbuckridge Local Municipality, Bohlabela District, Mpumalanga	Mpumalanga Public Works, Roads and Transport	R 104 million	2017
Repairs of Highlands North	Department of Infrastructure	R 3.2 million	2009
Repairs and Construction of palisade fencing	Metrorail	R 3 million	2008

Our Projects: (Continued)

Previous Project Management/ Consulting Work Experience			
Project Name	Client	Contract Value	Year Completed
CIVIL ENGINEERING			
Moretele Internal Road. Ward 21	Morelete Local Municipality	R 15 million	Current
Professional and Project Management services for the Bulk Water Infrastructure services in Emzinoni Ext 11	Human Settlement: Mpumalanga	R 8 Million	2019
Turnkey Design and Construction of Roads and Internal service	Octics Holdings: (For Govan Mbeki Municipality)	R 72 million	2017
Upgrading of Petsane sports facility	Nketoane Local Municipality	R 10.4 million	2018
Appointment for Panel of Professional Services Provider in Structural, Civil Engineering, Architectural and Quantity Surveying for A period of 3 years	Mangaung Metro Municipality	R 30 million	2017
Ellaton Social Housing Projects	Manapendlo	R 150 million	2016
Moretele 5ml Reservoir	Moretele Local Municipality	R 28.3 million	2014
Moretele Internal Road to ward 24	Morelete Local Municipality	R 50 million	2014
Closing of abandoned mining shafts	Council for Geo Science	R 2.5 million	2013
Lebombo border post	National Department of Public Works	R 120 million	2010
Design and construction sup of road D119	Northwest Department of Roads and Transport	R 65 million	2010
Design and construction sup of road D414	Northwest Department of Roads and Transport	R 43 million	2008
ELECTRICAL / ELECTRONIC ENGINEERING			
Designed and project managed the installation electrification infrastructure for 800 Households in Phoswa Township	Mkhondo Local Municipality	R 19 million	2022
Designed and project managed the installation of a 20MVA 132/11kV Substation in Mkhondo, Mpumalanga	Mkhondo Local Municipality	R 26 million	2022
Design and project management of the 10MVA, 132/11kV Oukasi Substation project and the 6km, 132kV powerline from Pendering Substation to Oukasi Substation.	Madibeng Local Municipality	R 36 million	2021
Designed and project managed the installation electrification infrastructure for 1234 Households in Mangosuthu, Oosloop and Eziphunzini Townships in Mkhondo, Mpumalanga Province	Mkhondo Local Municipality	R25 million	2020
Design and project management of the Electrification of 1008 Stands in Sunway Township in Brits,	Madibeng Local Municipality	R 21 million	2019
Design of the upgrade of Machadodorp Substation where an additional 132/11kV 20MVA transformer was installed and commissioned as well as the design of a 10km Chickadee 22kV line.	Eskom Mpumalanga Operating Unit	R 27 million	2015
Design and project management of the upgrade of Phokeng Substation where an additional 88/11kV 20MVA transformer was installed and commissioned as well as the design of a 4km 88kV High Voltage line	Eskom Mpumalanga Operating Unit	R 23 million	2009

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