



SEFAKO
ENGINEERING

*Engineering a Sustainable **Future***

About Us

Sefako Engineering is a diversified Infrastructure Development and Consulting Services Company with operations in the Public and Mining sectors. Our core capabilities are Construction, Professional Services & Consultancy and Equipment Hire. These capabilities span across various functions including Roads & Stormwater, Water & Sanitation, Mechanical Solutions and General Buildings. We also offer Digital and Risk Management Solutions.

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 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, mechanical installations, and industrial operations management. All this enables the company to deliver sustainable, quality, effective and efficient solutions.



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

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

This experience positions us well to deliver on specialty projects and turnkey solutions. Our company has nurtured healthy working relationships and joint venture partnerships with formidable players in the construction, industrial equipment, and mining industries. These relationships, coupled with sound skills transfer programmes and quality management systems 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's infrastructure and resources; bringing dignity, pride, and economic enablement to our communities.



VISION

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



VALUES

- Sustainable and value creating solutions
- Engineered and innovative outputs
- Focused and quality delivery
- A**ccountable and trustworthy partner
- K**nowledge and technical mastery
- O**bjective & collaborative solution development

A full-page background image showing a construction site at sunset. The sky is a deep orange with wispy clouds. In the foreground, the silhouettes of several tall, cylindrical concrete pillars are visible, each topped with a cluster of vertical rebar rods. Three workers are silhouetted against the bright sun, which is positioned centrally behind one of the pillars. The workers appear to be working on the rebar structure. The overall scene conveys a sense of industriousness and progress in a dramatic, high-contrast light.

We partner with our clients and other stakeholders to offer cutting edge innovations and sustainable solutions.

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 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. LETHUBHLE 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 30 years' combined engineering and management experience in the Public and Mining sectors, thereby equipping Sefako Engineering to handle complex projects sustainably, efficiently and successfully. At Sefako Engineering, we appreciate that the successful completion of any project requires that all stakeholders' expectations be met, and that solutions 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. We continue to hold ourselves professionally responsible and accountable post project implementation, guaranteeing support to the client, contractor and end users wherever necessary.

We have three core capabilities: **Construction, Professional Services & Consultancy and Equipment Hire**. These capabilities span across various functions: *Roads & stormwater, Water & Sanitation, Mechanical Solutions and General Buildings*. We also offer *Digital Solutions and Risk Management Solutions*. We currently operate in the Public and Mining Sector.



Our Services (CONTINUED)

CONSTRUCTION

Our dedicated construction team works diligently to deliver sustainable solutions 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 and urban roads.
- Construction of infrastructure for stormwater disposal and reticulation.
- Logistics and haul roads storm water design and construction.
- Constructions and maintenance of internal (permanent and temporary) mine roads.

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.
- Construction of pipeline and pump stations for mines.

Buildings

- Construction of residential, commercial, industrial and sports facilities, including education centres, 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.
- Construction of housing for mine workers and adjacent communities.



Our Services (CONTINUED)

PROFESSIONAL & CONSULTANCY SERVICES

Our design team is devoted to delivering 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.

We have partnered with Anora technologies to provide end-to-end digital solutions in various industrial operations, (focusing on mining), to satisfy regulatory compliance requirements and/or improve safety and productivity in operations.

We offer cutting edge, customizable digital safety and environment management systems incorporating numerous monitoring tools into a single platform. Our tools facilities predictive analytics as well as timely and streamlined reporting. The combination of operational experience, engineering design and IT, differentiates our Risk Management offerings.

Roads and Stormwater

- Designs for the rehabilitation and construction of rural and urban roads.
- Provide professional services for stormwater disposal and reticulation.
- Development of roads and stormwater masterplans.
- Site selection and permitting support (including site investigations)
- Technical specifications
- Construction monitoring
- In-situ testing
- Contract administration

Water and Sanitation

- Wastewater disposal professional services (bulk, reticulation, treatment).
- Water supply professional services (bulk, reticulation, storage, treatment).
- Pipeline and pump stations requirements and specifications for mines.
- Technical specifications for supply, installation, and testing of pipe works and valves.
- Bulk earthworks design of pump stations and booster pump systems for water supply, sewage, and stormwater drainage public and mining applications.
- Site-specific water management plans for various mining operations.
- Surge analysis using state-of-the-art software.
- Tailings dam design.

Buildings

- Multidisciplinary engineering services for all bulk and internal infrastructure, town planning, housing, and other communal buildings.
- Multidisciplinary professional engineering services for all bulk and internal infrastructure, town planning, housing, and other communal buildings.
- Provision of building plans steel security fencing and precast concrete security fencing.
- Construction management for mine housing projects.

Our Services (CONTINUED)

PROFESSIONAL & CONSULTANCY SERVICES

Digitalisation Strategy

- We design and deliver a practical digital transformation roadmap which enables and enhances strategic objectives.
- Digitalisation helps organisations to keep abreast of their competition and their clients.

Project Management

- We use proven project management techniques to enhance program and project delivery for our clients. Our qualified and experienced Project Management team have been stewarding and delivering projects, from concept to implementation.
- We also provide executive level support to organisations embarking on projects, either on advisory or consulting roles.

Software Development

- We develop custom platforms that meet our client's unique needs. We combine our client's intricate knowledge of their operations and our strong engineering, production, and project background to deliver innovative, customisable web and mobile applications to put intelligence in the hands of our clients.

Change Management

- We partner with organisations to assist them in embracing change. We prepare internal and external stakeholders to adopt the change and harness the benefits of new technologies and business processes.



Our Services (CONTINUED)

RISK MANAGEMENT SOLUTIONS

We apply proven methodologies supported by modern technologies to ensure that our clients' risk registers stay "live". Most organisations have a full understanding of their risks and have put controls in place to manage these risks.

However, these controls are seldom monitored and tracked and their health and effectiveness often unknown. We provide software solutions and tools to monitor the performance of your risk controls.

Paperless Work Processes

- Auto-TARPTM
- Auto-Guide
- Forwood Critical Risk Management
- BowTieXP Advanced
- Visualize your risk
- Manage your safety barriers
- Make risk-based decisions

PLANT HIRE

We offer our clients quality equipment that is reliable, with low worked hours, and that is regularly serviced for optimal performance. Renting equipment ensures that all short and medium-term needs are satisfied. It also gives clients the opportunity to trial a machine before making the decision to purchase.

We have a range of durable mining equipment, powerfully equipped to take on your mining applications.



Our Services

	CONSTRUCTION	PROFESSIONAL SERVICES	EQUIPMENT HIRE
ROADS & STORMWATER	✓	✓	✓
WATER & SANITATION	✓	✓	✓
GENERAL BUILDINGS	✓	✓	✓
DIGITAL SOLUTIONS	✓	✓	
MECHANICAL SOLUTIONS	✓	✓	✓
RISK MANAGEMENT SOLUTIONS		✓	

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

- Construction Industry Development Board (CIDB) as grade 8CE PE, 7GB PE, 7SQ PE and 6ME PE
- National Home Builders Registration Council (NHBRC)
- Bargaining Council for the Civil Engineering Industry (BCCEI)
- Compensation for Occupational Injuries and Diseases (COID)
- 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	Ootics 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
Previous Project Management/ Consulting Work Experience			
Project Name	Client	Contract Value	Year Completed
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	Ootics Holdings: (For Govan Mbeki Municipality)	R 72 million	2017
Upgrading of Petsane sports facility	Nketoane Local Municipality	R10.4 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

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