



SIST ENGINEERS

SIMPLE INNOVATIVE SOLUTIONS ON TIME

COMPANY PROFILE



***SIST ENGINEERS** was established on a vision to offer simple and innovative engineering solutions on time to our clients. The same clients who will empower us to have a remarkable growth and capabilities that will allow us to grow our personnel so that we will be able to do bigger, world class projects.*

TALUKANYANI MUDAU

PR TECHNI ENG (B TECH CIVIL ENGINEERING) MSAICE
CURRENT: M:ENG (STRUCTURAL ENGINEERING)
(UNIVERSITY OF JOHANNESBURG)

MANAGING DIRECTOR

Our goal is to find a niche in the engineering consultants industry and take the opportunity to gain valuable company experience in specialised fields and investing in competent staff. We aim at growing our clientele by vigorously marketing the business, forming alliances with prominent firms and merging in consortiums. We are committed to be part of your journey in creating your vision, from the first dream to the next big idea. We plan to capitalize on the government's drive of empowering youth and women in engineering and be part of small black enterprises to thrive and succeed. We aim to be an examples and an inspiration to young unemployed individuals.



CONTENT

WHO WE ARE

Directorship

Mission

Vision

Values

Leadership Strategy

Competencies

Brief Experience Of Senior Team

Computer Design & Modelling

OUR SERVICES

Sample Projects

List of Projects

Client Review

CONTACT US

WHO WE ARE



SIST Engineers (Pty) Ltd provides Civil, Structural and project management consultancy and construction services inspired by new technologies that promotes sustainability through job creation. We are also environmentally conscious and excel in meeting local, national and international client requirements. The services we provide to our clients comprise design of new build implementations.

Directorship

SIST Engineers (Pty) Ltd is 100% black owned newly formed company. It is currently operated by one Technical Director who has exceptional technical skills in his field of practice.

The company was formed because of an individual who had a vision, enthusiasm, selfdrive and innovation.



Vision

To become the first choice for clients in offering simple, innovative solutions on time.



Mission

To be a solution-driven team with exceptional capabilities.



Values

Simple
Innovation
Solutions
Time

Leadership Strategy

We work together to provide the most effective and sustainable solutions on time to our clients. Our ethics and core attributes support and create an environment where our people can flourish. We aim to provide jobs which not only provide sustenance for our employees but also furnish them with an opportunity to make a difference in the world around them, through caring and expert assistance to our community's most vulnerable stakeholder. We are in support of the initiatives that the South African Government has recently developed in order to address the skills shortage and lack of infrastructure. It is for this reason that we always encourage skills transfer to the previously disadvantaged.



- 1. Talukanyani Mudau** - Managing Director
- 2. Lwandile Langeni-Mzizi** - Structural Engineer
- 3. Mbongeleni Mkhize** - Civil Engineer
- 4. Redemption Lovemore** - Civil/Structural Engineer
- 5. Peter Mantu** - Site Agent
- 6. Samkelo Khomo** - Structural Drafting Technician
- 7. Philani Mkhize** - Civil Drafting Technician
- 8. Celokuhle Ntshangase** - Civil Trainee Technician (National Diploma in Civil Engineering)
- 9. Fisokuphezulu Gumede** - Structural Trainee Technician (National Diploma in Civil Engineering)
- 10. Thanyani Muloiwa** - Pr Sci Geologist - Geotechnical Engineer
- 11. Ayanda Msomi** - Office Manager - National Diploma in Office Management
- 12. Ezihle Zulu - Admin Officer** - Diploma in Public Administration

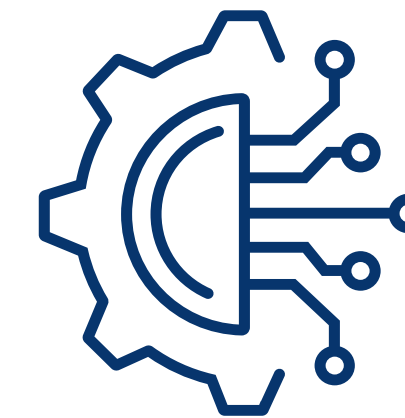
Competencies



Codes of Good Practice

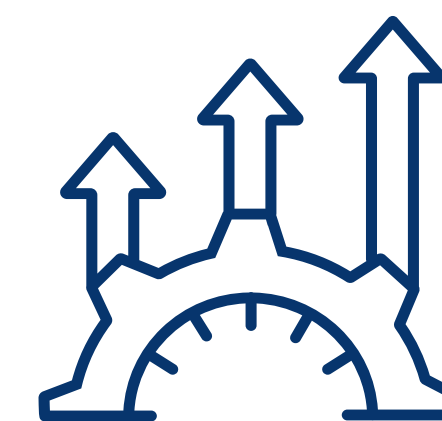
This business truly stands for Codes of Good Practice and affirms that its business is operated with integrity within the South African Business Regulatory Framework. SIST ENGINEERS (PTY) Ltd complies with Close Corporation Act no. 69 of 1984 as amended; Income Tax Act no. 58 of 1962 as amended; Value Added Tax Act no. 89 of 1991 and the Constitution of the Republic of South Africa Act no. 108 of 1996 as amended and any other laws and regulations which are applicable to the entity.

The management of SIST ENGINEERS (PTY) Ltd uplifts the principles of integrity; objectivity and courtesy when conducting business with its clients; third parties, and suppliers. SIST ENGINEERS (PTY) Ltd and its management respect the confidentiality of information acquired during the course of performing business services. The corporation supports competition based on high quality services and market related prices.



Limitless Innovation

Our continual aspirations for excellence and simplicity are the spring of our inexorable innovation while our experience keeps us consistently in tune with reality and practicability.



Continous Improvement

By analyzing past solutions, and sharing experiences and skills, our engineers, technologists and technicians refine their ability to design stable, durable, elegant and economic structures under any circumstance.

Brief Experience of Senior Team

TALUKANYANI MUDAU

Pr Techni Eng - B Tech Civil Engineering 15 Years Experience

Mr. Mudau is a Professional Engineering Technologist with experience in the Civil and Structural engineering industry. He has worked on a wide range of projects, from inception to commissioning. Mr. Mudau is known for his ability to solve complex problems and adapt to projects with unclear scope definitions. His versatility and flexibility allow him to work effectively outside of his comfort zone.

Mr. Mudau leadership skills complement his technical expertise. He currently serves as CEO of both SIST Group and the Tondani Mudau Foundation. The foundation is dedicated to providing essential school supplies, including shoes and calculators, to students across South Africa.





**LWANDILE
MTHUNZI
LANGENI-MZIZI**

B Tech Civil Engineering
22 Years Experience

Lwandile has experience in structural design, project management, draughting, and site supervision, and is able to produce detailed designs and drawings that are clear and accurate. Possessing a proven ability to produce work that minimises re-work and meets the requirements of the specifications that can be constructed mainly for reinforced concrete and structural steel projects. He is fully proficient in design software like Prokon, Autodesk Robot Structural Analysis, AutoCAD, and Revit and is able to work in a busy design consultancy with an established Civil Engineering Design team. Skilled at learning new concepts quickly and have the ability to work under pressure and targets. He is able to communicate ideas clearly and effectively with a responsible attitude and calmness under pressure.



**MBONGELENI
MKHIZE**

B Tech Civil Engineering 12
Years Experience

Mbongeleni has acquired his experience in infrastructure design and construction supervision, including civil services such as roads, bulk earthworks, stormwater, water, and sewer reticulation for both rural and urban areas. As his career progressed, he was complexly involved in structural engineering. His structural experience includes commercial, residential, and buildings (Schools). Mbongeleni has again attained experience in construction, water, and sanitation projects (Bulk Sewer) as a Project Manager. His responsibilities were to produce quality work, refine construction costs, and control costs.



**REDEMPTION
LOVEMORE**

B Tech Civil Engineering 5
Years Experience

Redemption is a Civil Engineering Technologist with a versatile background in the built environment. Starting his career in municipal water design, he has developed expertise in water and sanitation infrastructure, including bulk water design and construction supervision. Thereafter, he served as a Construction Site Manager, successfully overseeing bulk water construction projects, ensuring timely delivery, cost-effectiveness, and quality assurance. As part of a Civil and Structural Engineering consultancy team, he leverages his technical skills throughout the project lifecycle stages, including condition assessments, concept, and design development, and construction supervision. Achieving this through his proficiency in Auto-CAD, Autodesk Civil 3D and Revit. His ability to collaborate effectively with all project stakeholders within a multidisciplinary team further enhances his professional value in the built environment.



PETER MANTU

National Diploma in Civil
Engineering 15 Years
Experience

Peter Mantu is a seasoned Civil and Structural Engineering Technician with 15 years of experience, particularly in reinforced concrete detailing and site supervision. Throughout his career, he has evolved from a trainee technician to holding senior roles. In his current role as a Site Agent, which he has held since July 2024, Peter is responsible for conducting site inspections and compiling detailed reports. His work ensures that projects adhere to the required standards and are executed smoothly on-site.

His technical skills were further honed during his time as a Structural Technician, where he played a crucial role in preparing, profiling, and creating detailed drawings for notable projects. His work in this capacity was instrumental in the successful completion of various projects. His earlier experiences as a Technician saw him preparing concrete, reinforcement, and steel drawings for major undertakings, and he earned certification in advanced 3D AutoCAD, becoming a designated software specialist. His career is characterized by a steady progression in responsibility and his extensive skill set includes reinforced concrete detailing, AutoCAD proficiency, site supervision, communication, problem-solving, team leadership, and innovation.

Computer **Design & Modelling**



We use modern complex software packages to provide the best means of testing and shaping infrastructure design. Our staff is fully conversant in **AutoCAD**, **Revit** and Micro station as our **CAD** platforms.





Latest Design Software

At our conceptual stage, we use software to develop a model of the infrastructure, employing various design simulations and calculation packages.



Qualified Staff

Our experienced engineers then interrogate these computer simulations and models to help evaluate alternative optimized solutions.

Co-operation

Our close co-operation between the specialist disciplines, together with the computer aided designs; enable fully coordinated designs with clash detection.

OUR SERVICES



Structures Departments

We rethink structures to make them constantly relevant to evolving demands. Our team provides both structural steel and reinforced concrete services.

- **Residential and Leisure**
- **Office Buildings**
- **Schools**
- **Industrial Buildings**
- **Warehouses**
- **Water Retaining Structures**
- **Structural Assessments**
- **Bridge Designs and Repairs**
- **Retaining Walls**
- **Multi-Purpose Sport Centres**
- **Platforms and Hard Standings**
- **Refurbishing of Existing Infrastructure**



Transport Department

As the world slowly drifts to low carbon transport systems, we look to connect more people with smart solutions.

- **Master Planning**
- **Sustainable Infrastructure**
- **Rural Roads**
- **Interchange Design**
- **Rail, Highways & Gravel roads**



Water Department

Our team conceptualises water solutions in the context of delivering infrastructure and advising on natural catchments.

- **Water Infrastructure Design**
- **Flood Mitigation**
- **Sustainable Water**
- **Management**
- **Water Strategies & Research**



Civil Department

We coordinate our engineering skills to ensure that our civil team plans and guides the implementation of groundbreaking designs.

- **Platform Design**
- **Sewer and Storm Water**
- **Paving**
- **Stacking Areas**
- **Bulk Earthworks Designs**



Geotechnical Department

Our Team of Geologists, Hydrogeologists and Geotechnical Engineers plan the required level of ground investigations to ensure in considers potential ground constrains.

- **Foundation Investigations**
- **Road Pavement Evaluations**
- **Site Investigations**
- **Drilling**
- **Research**
- **Geotechnical investigations**

Sample Projects

KWASENGI RIVER PEDESTRIAN BRIDGE

PROJECT LOCATION: EMPANGENI REGION,
KWAZULU NATAL

PROJECT STATUS: TENDER STAGE

CATEGORY: STRUCTURAL ENGINEERS

PROJECT VALUE: +/- R14 MILLION

Project Description

This project involves providing Structural Engineering Services and Construction Supervision for the construction of a new 50-meter Pedestrian Bridge across the KwaSengi River. The bridge will connect Umkhindini (north side) and Edubeni (south side) located south of Melmoth.

REPAIRS & RENOVATIONS OF DURBAN CITY HALL

PROJECT LOCATION: SMITH STREET, DURBAN
CENTRAL KWAZULU NATAL

PROJECT STATUS: UNDER CONSTRUCTION

CATEGORY: CIVIL & STRUCTURAL ENGINEERS

PROJECT VALUE: +/- 12 MILLION

Project Description

This project involves providing Civil and Structural engineering services for the comprehensive refurbishment and renovation of the historic Durban City Hall. The building comprises an Auditorium, an Administration building, a Cultural building, and the iconic domes. Constructed approximately 114 years ago, the City Hall is listed by the KwaZulu-Natal Amafa Institute as a Heritage Building.

PROPOSED NEW PSYCHOLOGICAL CENTRE

PROJECT LOCATION: KATHU, ANGLO AMERICAN
NORTHERN CAPE

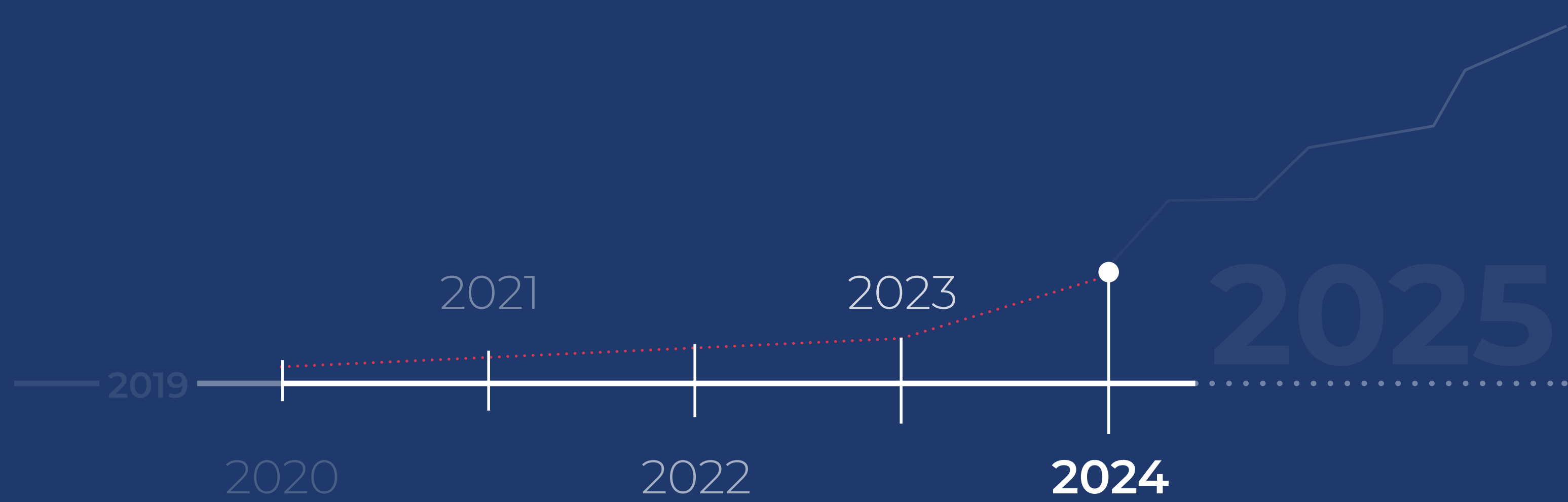
PROJECT STATUS: IN TENDER

CATEGORY: CIVIL & STRUCTURAL ENGINEERS

PROJECT VALUE: +/- R35 MILLION

Project Description

This project involves providing Civil and Structural Engineering services for the design and construction of a proposed new two-story Reinforced Concrete Frame Psychological Centre, intended for recruitment assessment



PROJECT LIST



| PREVIOUS EXPERIENCE | | | | | |
|--|---|-----------|--|-----------------|--|
| Project Name | Role | Status | Project Contract Value (Inc Vat) | Client | Contact Details |
| Multi Discipline Projects | | | | | |
| Appointment of professional services consultants for corridor 1 (Leralla to knights' priority corridor – phase 2a), south | Principal Agent, Civil, Structural, Architects, Electrical, Mechanical & OHS | Completed | R 150 548 584 .24 | Prasa | Sibusiso Mthethwa (Project Manager) Email: sibusiso.mthethwa@prasa.com Tel /Cell: 082 542 3324 |
| Professional service Providers for Water & Sanitation Projects for Various Schools in Limpopo | Principal Agent, Civil, Structural, Architects, Electrical, & OHS | Completed | R 34 332 584.77 | The Mvula Trust | Tshimangadzo Kutama (Project Manager) Email: Tshimangadzo@themvulatrust.org.za Tel /Cell: 015 291 2405 |
| Service Provider to Conduct an Assessment of all Vacant Land and Dilapidated Properties | Principal Agent, Civil, Structural, Architects, Electrical, Mechanical & OHS, | Completed | Properties value - Over R 1 billion | Ithala Bank | Samma Khan (Manager) Email: SKhan@ithala.co.za Tel /Cell: 031 907 8864 |
| Civil/Structural Projects | | | | | |
| Umgodi & Luncedo Early Childhood Development Centre | Civil and Structural Engineers | Completed | R 17 187 644 | IDT | Msizi Ndwandwe (Project Manager) Email: MsiziN@idt.org.za Tel /Cell: 031 369 7400 |
| Dubandlela Secondary School | Civil and Structural Engineers | Completed | R 21 687 001.88 | IDT | Sthembiso Ndlovu (Project Manager) Email: SthembisoN@idt.org.za Tel /Cell: 031 369 7400 |

PREVIOUS EXPERIENCE

| Project Name | Role | Status | Project Contract Value (Inc Vat) | Client | Contact Details |
|--|---|--------------------------|-----------------------------------|------------------|--|
| Edumbe Skills Development Centre | Principal Agent, Civil and Structural Engineers | Completed | R 14 568 376.74 | Services SETA | Makhaya Blaai (Executive Manager/CEO) Email: khayab@serviceseta.org.za Tel /Cell: 083 427 8539 |
| Corinth Primary School | Civil and Structural Engineers | Construction in Progress | | IDT | Thobelani Mkhize (Project Manager) Email: ThobelaniM@idt.org.za Tel /Cell: 031 369 7400 |
| Ndumo Secondary School | Civil Engineers | Construction in Progress | R 93 671 476.18 | DTI | Zamokuhle Malwane (Project Manager) Email: zamokuhlem@idt.org.za Tel /Cell: 031 369 7400 |
| IThubalethu Primary School | Civil and Structural Engineers | Construction in Progress | R 49 109 069.33 | DTI | Zamokuhle Malwane (Project Manager) Email: zamokuhlem@idt.org.za Tel /Cell: 031 369 7400 |
| Proposed New Boutique Hotel Development In Pine-town, Kwazulu Natal | Civil and Structural Engineers | Tender | R 67 541.154 | Imagine Group SA | S'boniso Sibisi (GROUP CEO) Email: sboniso@myarchitect.co.za Tel /Cell: 031 702 5367 |
| Proposed New Offices & Structural Steel Warehouses | Civil and Structural Engineers | Completed | R 17 524 2621 | Tarcron Projects | Ndamulelo Ramatsitsi CEO) Email: ndamu@tarcron.co.za Tel /Cell: 015 298 8049 |

PREVIOUS EXPERIENCE

Health Facilities

| Project Name | Role | Status | Project Contract Value (Inc Vat) | Client | Contact Details |
|--|--------------------------------|-------------|-----------------------------------|--|--|
| Psychological Centre | Civil and Structural Engineers | Tender | R 18 190 544.47 | Anglo | Contact Details: Nokuthula Ndwandwe (Project Manager) Email: nokuthula.ndwandwe@angloamerican.com Tel /Cell: 053 739 1541 |
| Eastern Cape Condition Assessment of Various Hospitals & Clinics | Health Specialist | In-Progress | Fees | Coega/Ec Health Department | Sinethemba Dlepu (Project Manager) Email: Sinethemba.Dlepu@coega.co.za Tel /Cell: 043 711 1628 |
| Proposed Consultation Rooms | Civil and Structural Engineers | Completed | R 560 000 | Isibusiso Health - KZN | Dr RM Khanyile (CEO) Email: rob.khanyile@gmail.com Tel /Cell: 078 301 6290/ 039 796 2398 |
| Transportation and Civil Projects | | | | | |
| uMzinyathi River Bridge | Structural Engineers | In-Progress | R 93 671 476.18 | IDT/KZN DOT | Mondli Mhlungu (Project Manager) Email: MondliM@idt.org.za Tel /Cell: 031 369 7400 |
| Jadhu Place Housing Project – Assessment of existing Bulk Services Infrastructure | Civil Engineers | Completed | Fees | Ghabhisa Planning/eThekweni Municipality | Mbongeni Hlongwa (Planner) Email: mbongeni@gabhisa.co.za Tel /Cell: 082 659 4990 |

PREVIOUS EXPERIENCE


Geotechnical Investigations

| Project Name | Role | Status | Project Contract Value (Inc Vat) | Client | Contact Details |
|--|------------------------|-----------|-----------------------------------|------------------------------|---|
| Geotechnical Investigations For Internal Roads Upgrades – Horseshoe & Shayamoy | Geotechnical Engineers | Completed | Fees | Greater Kokstad Municipality | Zamindlela Godlimpi (Manager – Civil Email: Zamindlela.Godlimpi@kokstad.gov.za Tel /Cell: 039 797 6674 |
| Investigation Of A Proposed Ikhwezi Integrated Residential Development Project Within Ward 23 In Inkosi Langalibalele Kzn | Geotechnical Engineers | Completed | Fees | SEEDI Development Projects | Dephney Mabuela (Project Manager) Email: dephney@seedi.co.za Tel /Cell: 087 232 1993 |
| New Boutique Hotel Development In Pinetown, Kwazulu Natal | Geotechnical Engineers | Completed | Fees | Imagine Group SA | S'boniso Sibisi (GROUP CEO) Email: sboniso@myarchitect.co.za Tel /Cell: 031 702 5367 |

Roads

| Project Name | Role | Status | Project Contract Value (Inc Vat) | Client | Contact Details |
|---|---------------------|--------|-----------------------------------|----------------------|--|
| Rehabilitation of gravel road from evutha bridge to Ndulinde primary | Civil and Engineers | Design | R 7 753 876.73 | Mandeni Municipality | Richard Dlamimni (Technical Director) Richard.Dlamini@mandeni.gov.za |
| Rehabilitation of grape vine gravel road | Civil and Engineers | Design | R 3 679 863.93 | Mandeni Municipality | Richard Dlamimni (Technical Director) Richard.Dlamini@mandeni.gov.za |
| Rehabilitation of gravel road from P266 to Emachunwini road | Civil and Engineers | Design | R 4 874 748.94 | Mandeni Municipality | Richard Dlamimni (Technical Director) Richard.Dlamini@mandeni.gov.za |

Client Review



“It is encouraging to see such a professional work ethics.
You certainly complement the team and thank you for not
compromising on your principles and engineering excellence”

Sbusiso Mbatha, Pr Eng

SKA Electric (Managing Director)



**DESIGN CREATES
CULTURE. CULTURE
SHAPES VALUES. VALUES
DETERMINE THE **FUTURE.****

OUR CONTACTS



Location
Visit Us At

212 7th Avenue,
Morningside, Durban, 4001



+27 Service
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Phone: (+27) 31 065 1099
Fax: (+27) 31 301 2655



Drop a Line
Email Address

info@sistengineers.co.za
talu@sistengineers.co.za

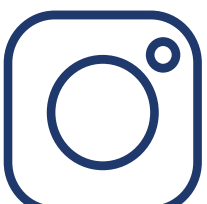


Office Hours
Opening Time

Mon - Fri: 9am - 5pm
Sat and Sun: Closed



@sistengineers



sist_engineers

THANK YOU!

SIST ENGINEERS

