

CORPORATE PROFILE

*We are brought together with a certain
amount of missionary zeal*



ABOUT COMPANY

Thinking Progressive People



Zeal Engineering Consultants (Pty) Ltd

Zeal Engineering Consultants (Pty) Ltd is one of the most successful engineering consultancy firms established in 2005 by individuals with vast experience and expertise in the infrastructure development industry.

Our resources have a wealth of experience in the Planning, Design and Project Management of Engineering and Built Environment Projects for various clients including Government Departments, State Owned Companies and Private Developers.

We provide innovative and customized Engineering Design, Project Management, Quantity Surveying, Architecture, SHEQ and Specialized consultancy solutions in the following markets: Power and Energy, Buildings, Infrastructure, Mining, Rail Engineering and Renewable Energy



Mission

To provide infrastructure planning, design and project management solutions in line with the set standards within the local project environment and international best practices.



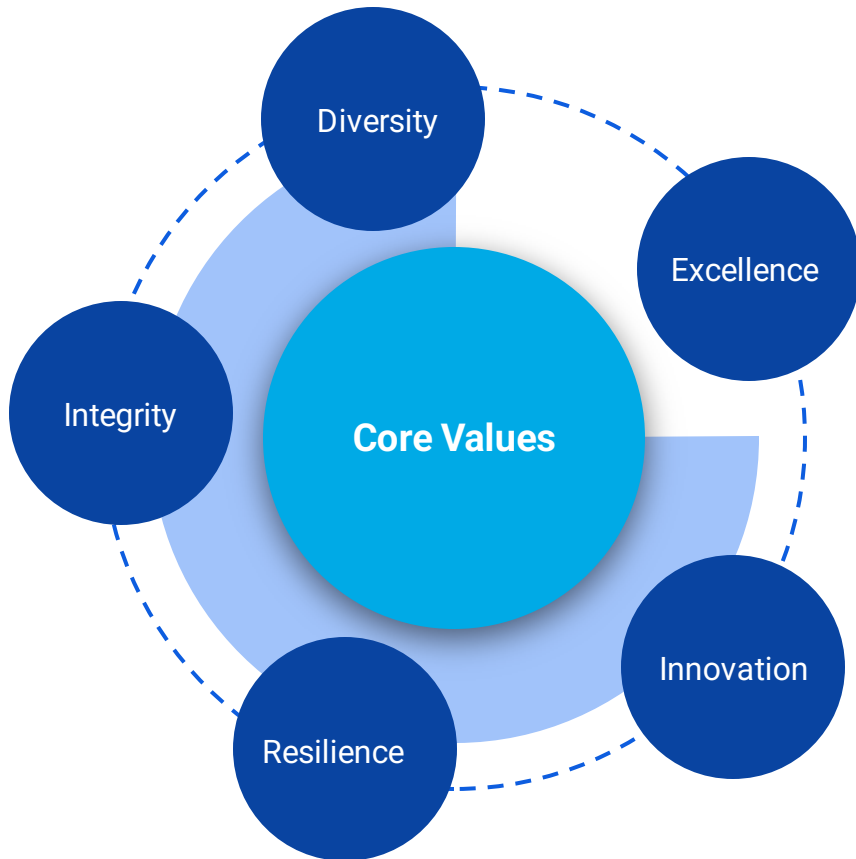
Vision

Become a leading global infrastructure development firm to improve people's lives.



Strategy

Diversify our portfolio to pursue opportunities locally and internationally and forge partnerships with established companies to leverage on their expertise and create access to international markets



BUSINESS OBJECTIVES

Influence policies and legislative framework in order to create an enabling environment for economic growth through infrastructure development.

Maintain and surpass set standards and consistent quality service to all our clients.

Promote engineering excellence and professionalism in the industry.

Attract the private sector finance for infrastructure projects development and manufacturing.

Contribute meaningfully towards BBBEE imperatives such as enterprise development, skills development and socio-economic development.



OUR SERVICES





ENGINEERING DESIGN

Electrical Engineering

We have contributed to and completed a substantial profile of electrical infrastructure projects to our varying client departments across all the provinces in South Africa. Some of our notable clients include City Power, Eskom and Thavhani Mall. The scope we cover includes:

- Feasibility Studies
- HV Lines, Substations and Distribution Projects
- Building Services Designs
- Cost Management and Contractor Management
- Network Modelling using Microstation, Digsilent, ReticMaster, PowerOffice
- Integrated Security Systems (Fire Detection, Access Control, Security and CCTV)
- Uninterruptible Power Supplies and Emergency Power Systems Design



ENGINEERING DESIGN

Civil/Structural Engineering

Our Civil/Structural engineering designs are developed to support an architectural design aesthetics and functionality. Our services are compatible with the latest design and construction technologies that are governed by the relevant standards, specification and our quality control plan procedures. The scope covered includes the following:

- Land Surveying
- Geotechnical Studies
- Sewer, Water and Storm Water Reticulation
- Structural Designs (Commercial, Industrial, Residential, Municipal, etc.)
- Water Retaining Structures
- Substations



ENGINEERING DESIGN

Mechanical Engineering

We deliver superior value, flexible, cost effective, and integrated engineering solutions in compliance with the latest design/construction international and local codes and standards across our extensive project portfolio. A summary of the mechanical scope is outlined below:

- Heating, Ventilation and Air-Conditioning
- Wet Services
- Fire Rationale Designs
- Fire Protection
- Water Treatments Plants
- Geohydrology Studies, Borehole and Elevated Water Tank Designs
- Lift/Hoist Designs



Qumbu Substation

132kV Feeder Bay
Primary Works &
132kV Line Section 1, 2





PROJECT MANAGEMENT

Failing to plan is to plan to fail. We pride ourselves with our expertise and experience that bring to a client a completed product and service. This entails understanding the client requirements at project inception, preliminary and detail design stages, procurement, implementation right up until project close in terms of timelines, costings and quality. This has been effective through the adoption of the PMBOK to cover the entire project scope including:

- Stakeholder Management
- Contract and Contractor Management
- Schedule, Costings and Program Management
- Scope Change Management
- Professional Project Team Management
- Quality Management



QUANTITY SURVEYING

Zeal Engineering quantity surveyors provide financial advice throughout the life cycle of a project. Our pro-active approach to contract management means we can identify any potential concerns at the outset of a project, solve any arising issues, and provide ongoing advice and assistance to our clients. Our Quantity Surveying services includes but not limited to the following:

- Feasibility and Viability
- Cost advice and Planning
- Preliminary Detailed Estimates
- Procurement and Contract Advice
- Bill of Quantities Preparation
- Tender Preparation and Adjudication
- Price Negotiation with Tenderers
- Contract Administration
- Budget Monitoring
- Payment Certificates Preparation
- Variation Order Preparation
- Financial Report and Cash Flow Projections
- Final Accounts and Close Out Reports
- Claims and Dispute Resolution



EPCMO CONTRACTS

Zeal Engineering Consultants are excellent partners towards the realization of a sustainable future that incorporates environmentally friendly technology applications, and thus the following forms part of our service offering:

- Renewable Energy Projects (Wind, Solar, Gas, Hybrids)
- Battery Energy Storage Systems for Utility Scale Projects
- Facilities Management
- Smart-Grid Development for World-Class Cities



SPECIALISED CONSULTANCY

Zeal provides specialist consulting services for High Voltage Power Systems including Network Planning, Design and Optimization. The services offered include;

- Feasibility Studies
- Masterplanning
- System Studies
- Transmission Network Planning, Design and Specifications
- Grid Connection Studies
- Grid Code Compliance
- Demand Side Management
- Energy Efficiency Projects
- Network Audit and Asset Register
- Power Quality Monitoring





HEALTH AND SAFETY MANAGEMENT

Our portfolio of SHEQ services cover the entire spectrum of Engineering and Built Environment projects,

- Assessing and managing risk in the context of OHS.
- Investigating workplace accidents and safety-related complaints
- Performing site inspections and safety audits.
- Producing health and safety reports.
- Conduct safety training and education programs, and demonstrate the use of safety equipment.
- Develop and maintain medical monitoring programs for employees.
- Maintain and update emergency response plans and procedures.
- Provide new-employee health and safety orientations, and develop materials for these presentations.

Recommend measures to help protect workers from potentially hazardous work methods, processes, or materials.



ENVIRONMENTAL CONSULTING

As Environmental Consultants we offer holistic Environmental Management services which include:

- Environmental Impact Assessments (EIA)
- Basic Assessments (BA)
- Site investigation and Assessment
- Environmental Screening
- Environmental Management Programme/Plans (EMPr)
- Public Participation Process and Stakeholder engagement
- Environmental Training
- Environmental Monitoring and Auditing
- Contamination Land Assessments
- Specialist investigations (Air, Ecology, Water, Wetland, Heritage and etc)
- Licensing Applications (Mining, Water, Waste, Atmospheric Emission)
- Carbon Footprint Analysis
- Sustainability Reporting



ARCHITECTURAL SERVICES

We offer exceptional Architectural services and we are committed to understanding how our Clients' needs are to achieve their architectural goals:

- Architectural Design and Construction Administration
- Facility Masterplanning
- Life Safety Planning
- Interior Design
- Space Planning
- Interior Design and Furniture/Artwork Selection
- Project Management
- Pre-Design Consulting
- Sustainable Design Evaluation
- Budget Management
- Contractor Selection
- Post Occupancy Survey



CONSTRUCTION OF NOKANENG FIRE STATION



AVAILABLE RESOURCES

Through our associations with other local companies who share the same vision with us we have the following pool of resources readily available. Other experts can be sourced as and when required:

Resources	Qual/ Prof Registration	Professional Registration No.	Experience
Nicholas Munyeka (Mechanical Engineer)	MSc (Engineering), BSc (Hons) Eng Mechanical, ECSA, SAIMECHE, SAIRAC	20110298	18 years
Sipho Njobe (Architect)	M Arch degree, SACAP	5337	25 years
Anathi Cele (Civil Engineer)	MEng (Civil), BSc (Eng) Civil, ECSA, SAICE	20160427	10 years
Masiko Langa (Structural Engineer)	BSc (Eng) Civil, ECSA, SAICE	20160188	10 years
Zisanda Cele (Quantity Surveyor)	BSc (Hons) Quantity Surveying,, SACQSP	6127	10 years
Mr Nicholas Muofhe (Electrical Engineer)	ND Electrical, Pr Eng – Tech (ECSA), SAIEE, SABTACO	200530025	26 years
Jaco Du Toint (Fire Engineer)	B Eng (Mechanical), ECSA	20110069	20 years
Sharon Rikhotso (SHEQ Manager)	ND Safety	CHSO/3921/2021	15 years
Kelebogile Mogajane (Environmental Scientist)	Hons (EMM), BSc (MECC) SACNASP	400392/14	12 years

OUR CLIENTS

Zeal Engineering Consultants have previously provided Professional Engineering Services to the following clients:

Eskom (Megawatt Park, Mpumalanga, Gauteng, Limpopo, Kwazulu-Natal, Eastern Cape, North West and Free State)

Department of Public Works (National and Provincial)

Department of Energy

Department of Home Affairs

South African Police Services

Department of Correctional Services

Department of Human Settlements

Department of Defense

Thulamela Municipality

Mopani District Municipality

Polokwane Municipality

Merafong Municipality

Mbizana Municipality

Mkhondo Municipality

Newcastle Municipality

Johannesburg Social Housing Company (JOSHCO)

Flanagan & Gerard Property Development & Investment

Development Bank of Southern Africa

City of Tshwane

Thavhani Property Investments (Pty) Ltd

Malnet Holdings (Pty) Ltd

Empowerprop Developers

Rand Water

City of Matlosana

Ekurhuleni Water Care Company (ERWAT)

Metropolitan Property Services

Johannesburg Property Company

Tshwane University of Technology

Passenger Rail Agency of South Africa (PRASA)

Transnet



BUILDING PROJECTS

CLIENT	PROJECT DESCRIPTION	PROJECT COST	STATUS
Dept of Public Works (Mmabatho)	Construction of Carletonville Police Station	R 99 180 000.00	Completed
Dept of Public Works	Repairs and Renovation for Norwood Police Station	R61 499 100,00	Completed
Dept of Public Works (Braamfontein)	Renovation and additions to Lenasia Military Base	R 55 308 798.88	Current
Development Bank of Southern Africa	Construction of Cosmo City Swimming Pool	R38 053 289,89	Current
Limpopo Department of Public Works	Reconstruction of the damaged infrastructure at Schoemansdal Museum	R22 358 000,00	Current
Nkangala District Municipality	Construction of Nokaneng Fire Station	R17 799 331,36	Completed
Department of Public Works (Braamfontein)	Alterations at Alberton SAPS	R16 105 868,40	Current
Intengu Properties	Feasibility studies for the proposed Development at Tabase Village, Mthata	R133 879 000,00	Completed

BUILDING PROJECTS

CLIENT	PROJECT DESCRIPTION	PROJECT COST	STATUS
Malnet Holdings (Pty) Ltd	Construction of a new convenient shopping plaza in Siloam	R 12 262 199,62	Completed
Dept of Public Works (Braamfontein)	Repairs and Renovation of Vereeniging Prison	R12 589 929,89	Completed
Dept of Public Works (Braamfontein)	Jeppe Single Quarters Repairs and Renovation	R5 285 729,56	Completed



main entrance

MASTER PLAN PROJECTS

CLIENT	PROJECT DESCRIPTION	PROJECT DURATION	STATUS
Eskom Central OU	Sandton Network Development Plan	3 years	Completed
West Rand District Municipality	Infrastructure Masterplan	2 years	Completed
Eskom Central OU	Central Region Load Forecast Consolidation	3 years	Completed
Eskom Limpopo OU	Thohoyandou Network Masterplan	3 years	Completed
Transnet	Port of Durban Masterplanning	2 years	Completed
Eskom Central OU	West Rand & Soweto Region Master planning	3 years	Completed
Eskom Menyn	Cullinan & Bronkhorstspuit Master planning	3 years	Completed
Eskom Eastern Cape Operating Unit	Readiness Review for 2016-2019 Electrification Programme; Substations, HV Lines & Electrification	2 years	Completed

ENGINEERING PROJECTS

CLIENT

PROJECT DESCRIPTION

PROJECT VALUE

STATUS

CITY POWER SOC LTD

Kliptown Electrification Phase
1 & 2 Section 1 to 4

R125 868 589.70

Completed

CITY POWER JOHANNESBURG

Alexander Electrification

R139 954 851.60

Completed

Eskom Mpumalanga Operating Unit

20km King Bird 132kV
Amandla - Makometsane
Line

R4 543 300,00

Completed

Eskom Mpumalanga Operating Unit

Entokozweni 132/11kV 2 x 20
MVA Substation

R122 233 646,00

Completed

Eskom Eastern Cape Operating Unit

Qumbu - Amacwera 132kV
Line Section 1 & 2
Amacwera 2 x 20 MVA
Substation 132kV & 22kV

R70 401 067,42

Completed

Eskom Eastern Cape Operating Unit
City of Matlosana, Civic Centre, Cnr
Bram Fischer & OR Tambo Street,
KlerksdorpKlerksdorp West-Alabama
88kV Loop-in & Loop-out

R45 046 798,48

Completed

R 28 351 541,51

Current

Eskom Gauteng Operating Unit

Klevebank Substation 40MVA
Transformer

R28 057 648,00

Completed

ENGINEERING PROJECTS

CLIENT	PROJECT DESCRIPTION	PROJECT VALUE	STATUS
Eskom Northern Cape Operating Unit, 4 George Street, Eskom Tower, Kimberly	Ferrum-Gamagara 132kV Loop-in Loop-out Line	R27 091 068,88	Completed
Eskom Gauteng Operating Unit	Klevebank Substation Earthman Refurbishment	R25 765 370,00	Completed
Eskom Gauteng Operating Unit	Klevebank - Cosmo City 88kV Line Elevation	R23 072 625.00	Completed
Thavhani Properties Pty Ltd	Muledane 20MVA Substation upgrage and New Overhead 22kV MV Feeder Line	R20 915 337,00	Completed
Eskom Eastern Cape Operating Unit	Qumbu Substation - 132kV Feeder Bay Primary Works	R12 055 707,65	Completed
ESKOM EC OPERATING UNIT	Maphodi Township Normalisation	R 6 060 000,00	Completed
ESKOM EC OPERATING UNIT	Sezamile Township Normalisation	R 5 200 000,00	Completed



Gamagara 132/11kV 2x40MVA Substation
Ferrum-Gamagara 132kV Loop-in Loop-out Line (2018)

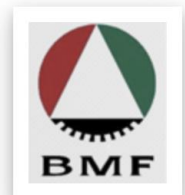


OUR MANAGEMENT TEAM

Resources	Qualifications	Experience	Professional Registration
Nicholas Muofhe (Managing Director)	ND Elec Eng (Pr EngTech)	25+	CESA (Consulting Engineers South Africa), Engineering Council of South Africa (ECSA), The South African Institute of Electrical Engineers (MSAIEE), South African Black Technical and Allied Careers Organization (SABTACO), Black Management Forum (BMF), Black Business Council in the Built Environment (BBCBE)
Olga Muofhe (Finance Director)	Certificate: Practical Accounting	20+	Experience in preparing budget and management accounts, invoicing, tax strategies, human resources, payroll system and contracts management
Zisanda Cele (Operations Director)	BSc (Honours) (Pr QS)	9+	The SA Council for the Quantity Surveying Profession (SACQS)
Kesias Mashego (Senior Project Manager)	HTD Electrical; DipPM; MDP; MBA	25+	Professional Construction Project Manager (Pr.CPM) he South African Council for the Project and Construction Management [SACPCMP] and The South African Institute Of Electrical Engineers (MSAIEE) Registered
Nathaniel Mogane (Senior Project Engineer)	B. Eng. (Electrical & Electronic)	13+	Engineering Council of South Africa (ECSA), The South African Institute Of Electrical Engineers (SAIEE), Registered
Dikeledi Mhlanga (Project Coordinator)	N6 Marketing Management	7+	Experience in project administration and office management
Humbelani Muofhe (Business Development Manager)	BSc (Honours) Geological Sciences Postgraduate Diploma in Business Management	3+	Experience in developing growth strategies and plans, Managing and retaining relationships with existing and new clients

MEMBERSHIP OF PROFESSIONAL ORGANISATIONS

ZEAL is a member in good standing of the following organisations, and the directors are involved in the day-to-day business activities of some of these organisations:





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01

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02

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03

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04

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