

# iLZ CONSULTING

Ilanga Lezintaba Zolwandle Consulting  
GEOTECHNICAL & GEOHYDROLOGICAL CONSULTANTS

COMPANY PROFILE

## BACKGROUND

Ilanga Lezintaba Zolwandle Consulting (Pty) Ltd here within referred to as ILZ Consulting, is an earth science consultancy that was established in 2015. The diversity of disciplines includes geotechnical engineering, and groundwater studies. These services are among those which are key to the successful implementation of the project ensuring that the project is completed in a manner that will yield a long and safe service life. Our investigations form part of the planning, they influence the designs, and we monitor the construction phase of the project to ensure that the recommended guidelines are adhered to.

Our personnel and associates have got years of experience in the profession and their different professional and educational background provides us with a uniquely special skills blend that enables ILZ Consulting to meet its client's needs



## MISSION

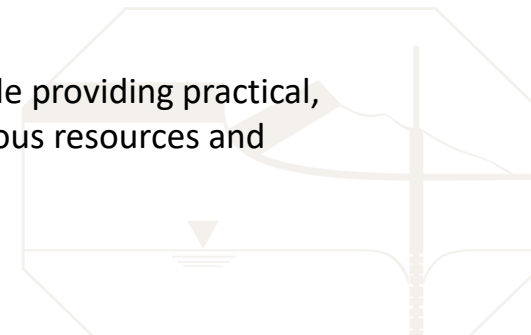
Our mission is to be the premier in the provision of professional consulting services in the field of geotechnical engineering, environmental and water resources. This will enable us to grow our business and expand our areas of operation and make real contribution to the development of Africa.

We will realize these by ensuring:-

- Clients goals and objectives are met
- Services are qualitative
- Timely and responsive.

## VISION

At the core of our focus is offering highest level of service while providing practical, cost effective, custom made solutions that preserve our precious resources and environment.



## KEY PERSONNEL

### DIRECTOR

Sphehile Mdlalose is the Managing Director and Founding Member ILZ Consulting. He is a Certificated Scientist in terms of the South African Council for Natural Scientific Profession (SACNAPS). He holds a BSc Honours in Environmental and Engineering Geology. He has worked and managed several geotechnical engineering project which include inter alia, foundation designs and roads. He has also worked on several hydrogeological projects dealing with groundwater development and monitoring of surface and groundwater.

### KEY STAFF

Name	Qualifications	Years of Experience	Role on Project
Sphehile Mdlalose	BSc. Hons. Cert.Sci.Nat	9+	Client Liaison/Engineering Geologist
Limpho Phatela	BSc. Hons. Pr.Sci.Nat.	9+	Principal Engineering Geologist
Khumbulani Zuma	BSc. Hons. Pr.Sci.Nat.	9+	Engineering Geologist
Golden Manganyi	BSc. Hons. Pr.Sci.Nat	10+	Senior Hydro geologist
Nduna Mabasa	BSc. Hons	2+	Hydrogeologist / GIS Technician
Raymond Malema	BSc. Hons. Cand.Sci.Nat	2+	Jnr. Engineering Geologist

### PROFESSIONAL AFFILIATIONS FOR COMPANY AND/OR INDIVIDUAL

- South African Council for Natural Scientific Profession (SACNASP)
- Engineering Council of South Africa (ECSA)
- Ground Water Division of the Geological Society of South Africa (GWD-GSSA)
- South African Institute of Engineering Geologist (SAIEG)
- Geological Society of South Africa (GSSA)



## PROFESSIONAL INDEMNITY

Insurer	CFG Brokers Cover for Professionals
Master Policy No.	ACE97649PI
Insurance Amount	R 10 000 000.00 (each and every claim)
Public Liability	R 2 500 000.00 (each and every claim)

## COMPANY STATUTORY DETAILS

Company Name	Ilanga Lezintaba Zolwandle Consulting (Pty) Ltd
Trading Name	ilZ Consulting (Pty) Ltd
Company Registration No.	2015/103674/07
Company Income Tax No.	9068063230
Company VAT No.	4630272435
Physical Address (DURBAN – HEAD OFFICE)	Suite 7 Epcot Centre 615 Umngeni Road Morningside, Durban, 4001
Physical Address (EASTERN CAPE)	Unit 6 32 Pearce Street Berea, east London, 5201
Physical Address (PRETORIA)	Suite 117 Intersite 405 Hilda Street Hatfield, Pretoria, 0083
Telephone Number	+ 27 81 711 1390/ +27 82 425 5156
Telefax	+ 27 (86) 505 7676
E-Mail Address	<a href="mailto:sphesihle@ilzconsulting.com">sphesihle@ilzconsulting.com</a>



# CAPABILITIES

## 1. GEOTECHNICAL INVESTIGATIONS

Easily developed land is hard to find and close to non-existent. Solutions to site constraints such as the difficult/problem soils, slope and groundwater conditions require knowledgeable geotechnical engineers, engineering and environmental geologists.

Thorough geotechnical investigations are pillar on which a well planned development, either large or small should be founded. Knowledge of subsurface conditions through experience from other project or review of geologic information ensures that proper material, foundations, retaining systems, slope stability measures are recommended. Consultation with the client and giving advice during project inception ultimately results in structures that perform well and often cost less.

ILZ Consulting offers comprehensive geotechnical services that includes but not limited to:-

- Railway projects
- Roads
- Materials and quarries
- Township developments
- Schools
- Bridges and culverts
- Industrial developments
- Pipelines
- Substations
- Cemeteries
- Piling
- Retaining wall designs



# CAPABILITIES

## 2. GEOHYDROLOGICAL CONSULTANCY & CONTRACTING

### ✓ GROUND AND SURFACE WATER MONITORING

Conducting bi-annual and quarterly monitoring runs by measuring groundwater levels, purging boreholes, water sampling for chemical analysis, applying the SANS drinking water standards to the water quality results, management of monitoring database, producing monitoring maps and report writing for submission to Department of Water Affairs. Sampling of surface water at various monitoring points.

### ✓ BOREHOLE DRILLING

Conduct desktop study which includes viewing of topographical and geological maps in order to plan geophysical traverses to be conducted on site. Conduct geophysical survey using magnetic, electromagnetic and resistivity methods to aid in the selection of optimal drilling position. Drilling of borehole, chip logging, pump testing, pump test data analysis, report writing. We also equip boreholes, to feed to elevated tank stand or on concrete base.

We have considerable experience in:

- Database development and management
- Groundwater supply investigations (bulk water supply)
- Geophysical investigations
- Contract management and supervision
- Resource evaluation (quality & quantity)
- Borehole siting and drilling
- Borehole equipping, pump testing & installation
- Large and small scale irrigation schemes



## PREVIOUS PROJECTS

- Previous Geotechnical Experience
- Previous Geohydrological and borehole projects

See separate attached document.



# SOME OF OUR CLIENTS

