



WE MASTERED THE ART
PHELEHO ENGINEERING
(PTY)LTD

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MISSION STATEMENT

Phetoho Engineering (Pty) Ltd intends to provide professional engineering services to a range of customers including public and private enterprises to the satisfaction of both our clients and shareholders through effective and efficient practices.

VISION

Phetoho Engineering (Pty) Ltd vision is to be an engineering consulting company of choice for decades to come, regionally and internationally, in terms of:

- * *Service excellence*
- * *Value for money*
- * *Innovation*
- * *Reliability*
- * *Superior product*

COMPANY HISTORY

'Phetoho Engineering is a privately owned company that was formed in 2012 with the objective of providing engineering and environmental consultancy services to a range of customers, ensuring timely and cost effective implementation of our expertise to acceptable engineering and environmental standards. It is a wholly owned South African company.

GEOGRAPHICAL DOMAIN

The geographical domain within which Phetoho Engineering (Pty) Ltd operates is primarily the Republic of South Africa and The Southern African Development Community (SADC) with the basis in Pretoria.



Key Policies

Phetoho Engineering (Pty) Ltd has adopted use of and seeks to attain accreditation of International Standards Organisation's Quality Management System (ISO 9001) within three years. The use of ISO 9001 Quality Management System seeks to achieve placement of the company to an international level of operations in line with long-term vision.

Key Policies that Phetoho Engineering (Pty) Ltd has therefore decided to place under close scrutiny therefore comprise the following: -

Management Review of the Quality system

Management of Phetoho Engineering (Pty) Ltd serves to ensure that the quality system complies with international standards and maintains pace with new technological innovations, changing times, environment and business practices to meet conditions set out in the vision statement.

Planning, Documentation and Implementation Procedures

Phetoho Engineering (Pty) Ltd has put in place planning, documentation and implementation procedures to avoid process and decision ambiguities and inconsistencies.

Contract Review

Phetoho Engineering (Pty) Ltd will internally, regardless of whether desirable by clients or not, carry out review of all its projects in order to assess its performance and review of procedures to provide future quality and better service. The system will also feed information into Corrective and Preventive Action Procedure.

*“ Effective
& efficient
practices „*

Documentation and Data Control

Information will be highly controlled and archived for records and later use. Where the same information is required for assistance for developmental and/or emergency purposes, necessary approvals conforming to contractual agreements and legislation requirements will be followed. Information is stored in terms of process numbers.

Quality Assurance and Monitoring

Every product of Phetoho Engineering (Pty) Ltd, ranging from verbal communication to writing reports and issuing of associated hard copy information will ensure that all information is accurate, concise and clear. Phetoho Engineering members of staff will serve in various positions carrying out quality assurance and monitoring in common with other requirements comprising Process Control and Contract Review.

Empowerment and Employment Equity

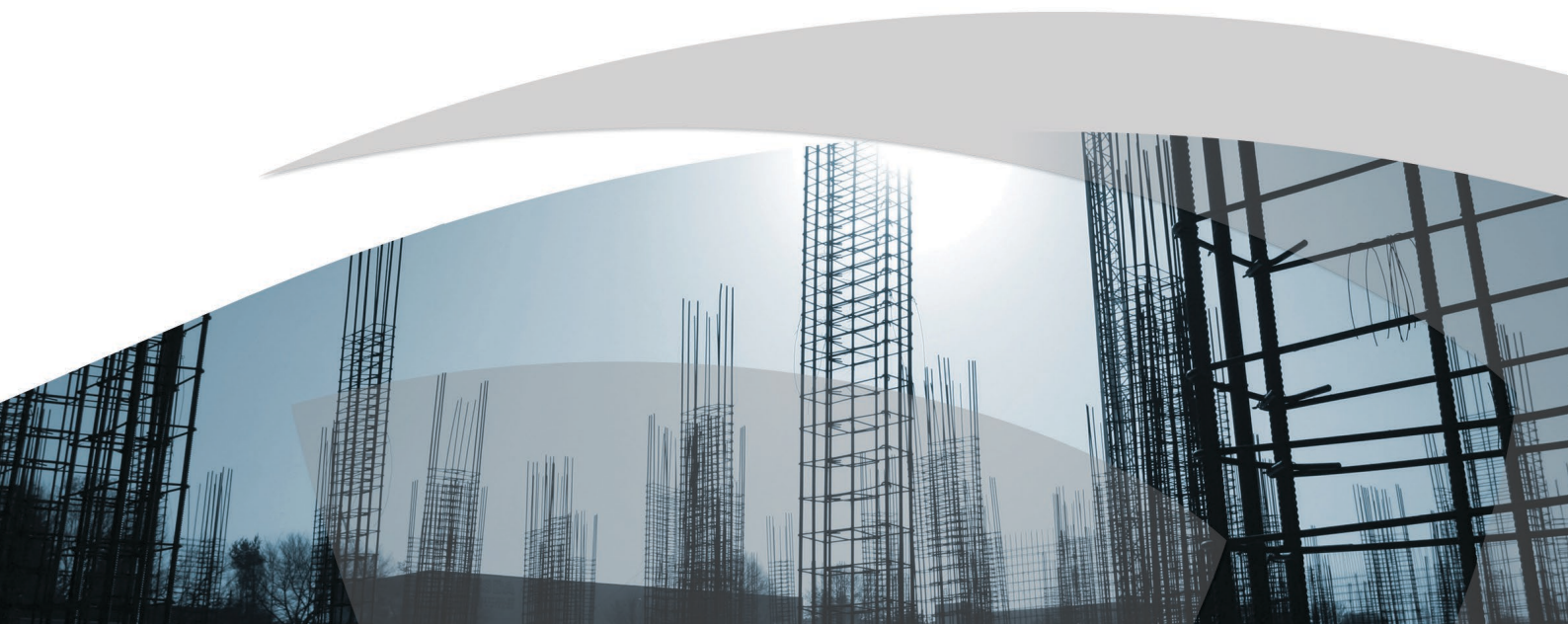
Phetoho Engineering (Pty) Ltd has resolved to adopt the following pledge concerning employment equity and in line with recent regional history.

Employment equity is the right to equality of opportunity to all people, and the right of every person to be treated fairly, with justice and dignity in seeking and maintaining employment, taking cognisance of national policies.

Phetoho Engineering in line with above will attempt to: -

- Not allow race, gender or creed affect employment opportunities;
- Ensure that performance, training capabilities and contributions are the only criteria for employment;
- Employees are committed to success of Phetoho Engineering.

In line with above, where possible and appropriate Phetoho Engineering will, on a short-term basis, employ students furthering their studies to gain hands-on experience through multi facet practices and projects carried out by Phetoho.



Services Rendered

Phetoho Engineering (Pty) Ltd offers a wide range of skills, which include:

- Project Planning and Management
- Project Feasibility Studies – Civil, Environmental and Economic
- Project Appraisal – Cost Benefit Analysis, Funding Motivation and Review
- Civil Engineering Works
- Municipal Engineering
- Structural Engineering
- Project Tendering Procedures and Tender Evaluation
- Underground Works – Design, Construction and Supervision
- Training – Career Guidance on Civil Engineering and related works
- Engineering Contracts Management

GEOTECHNICS

- Desktop studies to evaluate feasibility and planning of proposed projects
- Site investigations for development including centerline material surveys for rural and urban roads
- Materials investigations (small dams, roads and pipelines)
- Ground improvement techniques
- Design of Foundations in problematic soils
- Dolomitic stability investigations and appropriate designs of Foundations in dolomitic conditions
- Slope stability analysis and support systems

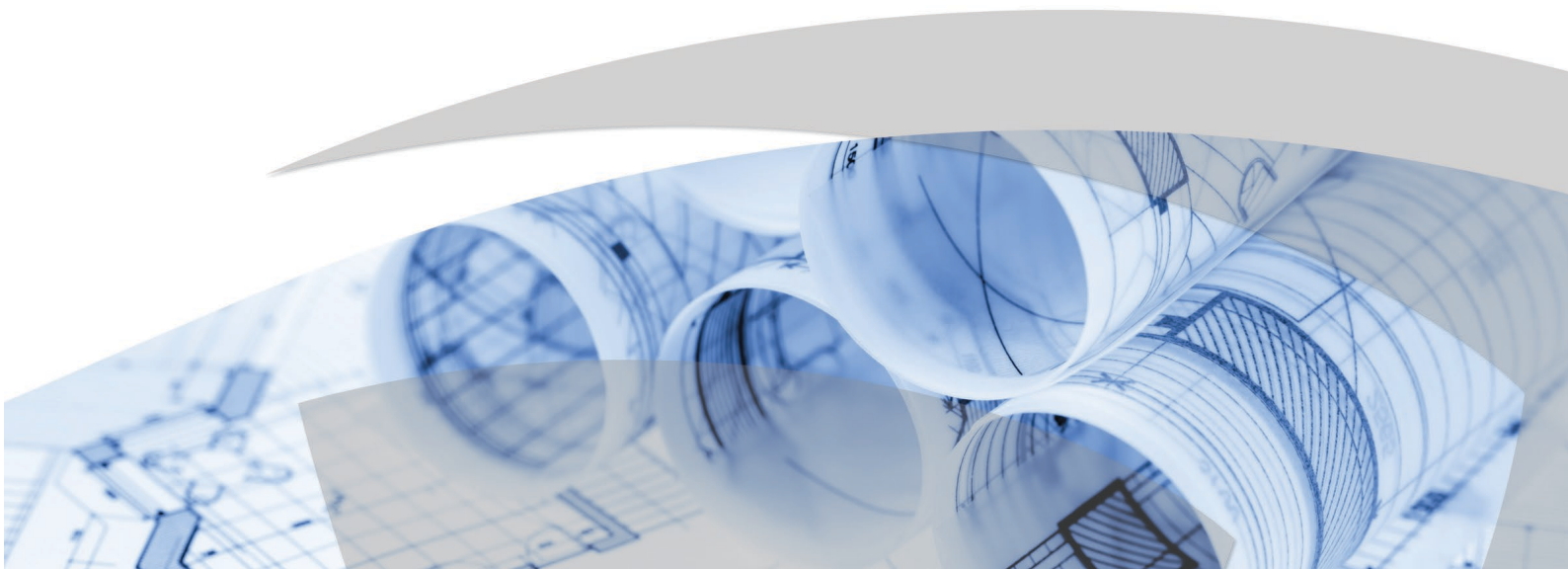
MINING

- Structural stability assessment for mine residue deposits
- Inspections and audits to ensure that mine residue facilities are operated and managed at a controlled level of risk
- Review and monitoring of data for mine residue deposits
- Qualitative risk assessments for mine residue deposits
- Development and review of Codes of Practices and Standard Operating Procedures for the mine residue deposits
- Closure and rehabilitation design

Core Personnel

Mr. Keta K. Keta, the Managing Director and founding member of Phetoho Engineering is a registered Civil Professional Engineer with twenty-five years of professional experience gained both on construction sites as well as in head office situations. He has acquired a wide knowledge in construction supervision and management, contract administration and monitoring.

Keta has a Bachelor of Honours degree in Civil Engineering (B. Hons (Eng)) and Post Graduate Diploma in Project Management



Membership & Accreditation

Phetoho Engineering is a member of SABTACO and is accredited BEE status level 4. The directors of the company are registered with the following professional bodies:

SAICE

ECSA

WISA

SABTACO

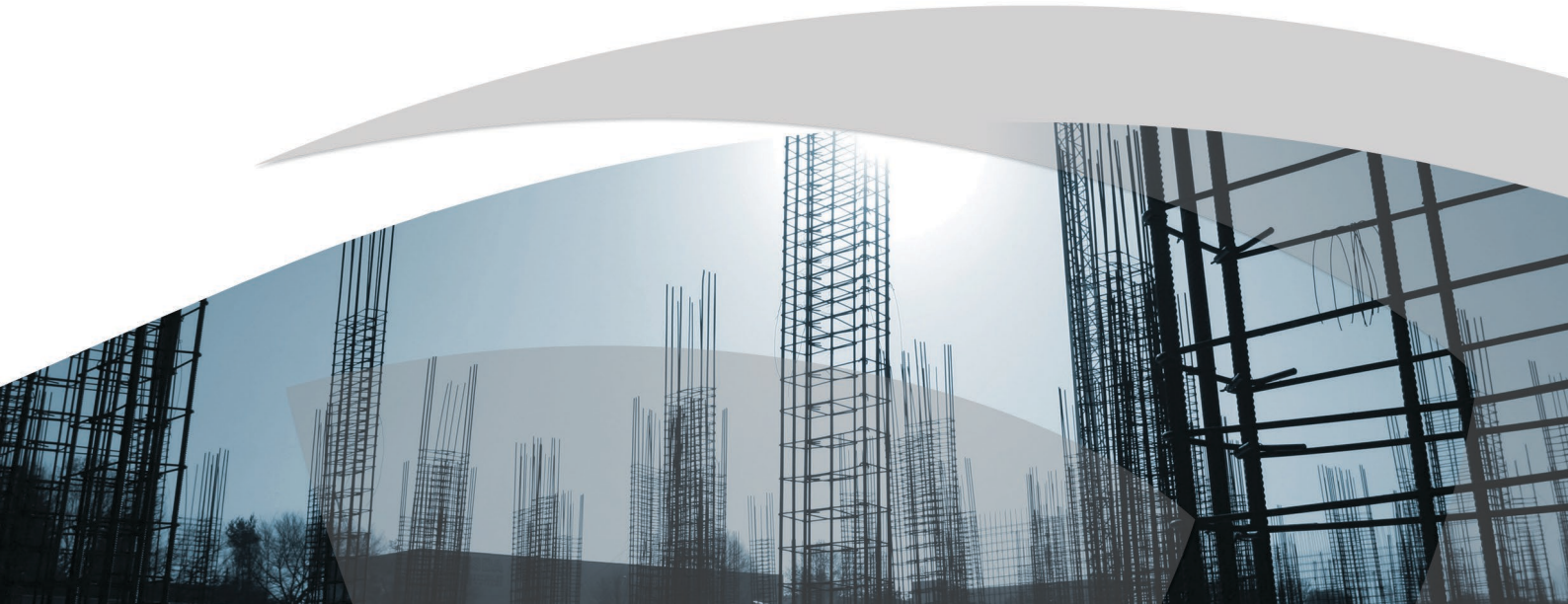
Project Involvement by key Staff in the last ten years

ROADS AND STORMWATER PROJECTS

	PROJECT NAME	CLIENT	CONTACT PERSON	DUTIES	PROJECT VALUE	STATUS
1	Rehabilitation of Road P23/1 from Schweizer-Reineke to Wolmaranstad (71 km)	Department of Public Works, Roads and Transport North West	J Z Ntsabo 013 790 0245 0737922106	Design	R143 M	Completed
2	Upgrading of gravel to Surfaced Standard Khunotshwana to Dinokana (54 km)	Department of Public Works, Roads and Transport North West	Mr.B. Magagula 0728201124	Design	R98 M	Completed
3	Upgrading of gravel roads to surfaced under the EPWP; Tosca to Kokomeng (2.5 km); Upper and Lower Majeakgoro (4.5 km)	Department of Public Works, Roads and Transport North West	Mr R S Mabuyakhulu 0726131241	Design	R15 M	Completed
	Project Management of various road projects under the Department of Public Works, Roads and Transport Mpumalanga	Department of Public Works, Roads and Transport Mpumalanga	Mr. D. Malatji 013 766 8525	Project and Programme Management	Undefined	Completed
4	Heavy Rehabilitation of Road P30/3 From Standerton and Tutuka Power Station (16 km)	Department of Public Works, Roads and Transport Mpumalanga	Mr. D. Malatji 013 766 8525	Planning, Design and Construction supervision (50% subconsultancy)	R164 M	Completed
5	Upgrading of Road D4383 and a portion of D3969 (17.75 km)	Department of Public Works, Roads and Transport Mpumalanga	Mr. D. Malatji 013 766 8525	Planning, Design and Construction supervision	R219 M	Completed
6	Rehabilitation of Coal Haul Road P120/2(from Kriel towards Van Dyksdrift)(12.6 km)	Department of Public Works, Roads and Transport Mpumalanga	Mr. D Malatji 073 168 4832	Planning, Design and Construction supervision	R150 M	Under Design

WATER AND SANITATION PROJECTS

NO	PROJECT NAME	CLIENT	CONTACT PERSON	DUTIES	PROJECT VALUE	STATUS
1	Upgrading of Nyathi Raw water	Nkomazi Municipality	J Z Ntsabo 013 790 0245 0737922106	Planning, Design and Construction supervision	R24M	Completed
2	Servicing of 1250 sites in Rockdale (Middelburg). Water reticulation (11km), sewer line (11km) and regravelling and storm water for internal streets in Rockdale Middelburg	Department of Human Settlement Mpumalanga	Mr.B. Magagula 0728201124	Planning, Design and Construction supervision	R39 M	Completed
3	Servicing of 789 sites in Embalenhle extension 22 (Secunda). Water reticulation	Department of Human Settlements. Mpumalanga	Mr R S Mabuyakhulu 0726131241	Planning, Design and Construction supervision	R35M	Completed
4	Integrated Sewer Rehabilitation for various Extensions in Embalenhle, Secunda	Department of Human Settlements. Mpumalanga	Mr S Brown 079 818 7109	Planning, Design and Construction supervision	R125 M	Completed
5	Upgrading of Pump Stations 22 & 25 and Construction of a new Outfall bulk Sewer Line in Embalenhle. Govan Mbeki	Department of Human Settlements. Mpumalanga	Mr P Mpofu 073 035 0833	Planning, Design and Construction supervision	R12 M	Under Construction
6	Construction of Waste Water Treatment Works and Reticulation in Amersfoort, Pixley KA Seme	Department of Human Settlements. Mpumalanga	Mr P Mpofu 073 035 0833	Planning, Design and Construction supervision	R48 M	Under Construction
7	Sewer and stormwater reticulation for the New Mental Health Facility in Kimberley, Northern Cape	Department of Public Works, Northern Cape				
8	Sewer and Water networks for 1450 stands in Pampierstad, Northern Cape	Phokwane Local Municipality, North West				



GEOTECHNICAL AND MINING

NO	PROJECT NAME	CLIENT	CONTACT PERSON	DUTIES	PROJECT VALUE	STATUS
1	<ul style="list-style-type: none"> • Surveillance and monitoring for mine residue storage facilities - ongoing • Geotechnical investigations for Topsoil Stockpiles • Open Pit backfill design and closure considerations • Development and review of mine residue deposits' code of practice and standard operating manuals • Piezocone testing for tailings storage facilities 	Nkomati Nickel Mine				
2	<ul style="list-style-type: none"> • Surveillance and monitoring for mine residue storage facilities - ongoing • Development and review of mine residue deposits' code of practice and standard operating manuals • Failed slope remediation and quality assurance 	Letseng Diamond Mine				
3	<ul style="list-style-type: none"> • Surveillance and monitoring for mine residue storage facilities - ongoing • Development and review of mine residue deposits' code of practice and standard operating manuals 	Kao Diamond Mine				

4	<ul style="list-style-type: none"> • Geotechnical investigations for Tembisa Water & Sanitation Depot, Tembisa, Gauteng • Desktop study and geotechnical investigations for Prince George Park Sports Ground, Boksburg, Gauteng • Geotechnical investigations for Kutlwanong Wastewater Treatment Works, Welkom, Free State • Geotechnical investigations for Birchleigh-North Archive Centre, Kempton Park, Gauteng 	LTE Consulting				
5	<ul style="list-style-type: none"> • Integrated conceptual design for discard dumps, pollution control dams and storm water diversion channels in support of the mine water use license application 	Geovicon Environmental Consultants				

