



Lidwala

Consulting Engineers



Highways &
Transportation
Engineering



Water &
Sanitation
Engineering



Civil
Infrastructure
Engineering



Structural
Engineering



Turnkey
Projects



Project Management
& Specialist
Advice



Spatial Management
Information
Solutions (SMIS)



Environmental
Management
Services



*As you move outside of your comfort zone,
what was once the unknown and
frightening becomes
your new normal*

~Robin S. Sharma

About Lidwala

Lidwala Consulting Engineers is a multi-disciplinary consultancy offering services in: Engineering, Project Management, Turnkey Project Delivery & Programme Management, Environmental Planning and Spatial Management Information Solutions.

Lidwala was established in 2001 and has developed into a leading consulting firm, with offices throughout sub-Saharan Africa.

ENGINEERING
SOLUTIONS

Our Vision:
To create value add in
our ecosystems through
infrastructure solutions



Our Mission

- Build long lasting stakeholder relationships;
- Be environmentally conscious;
- Exceed customer expectations;
- Create an enabling environment for employees to thrive in;
- Enhance the quality of life through our solutions within the communities we work in.



Our Values

We pledge to:

- Conduct business with integrity;
- Uphold high standards of health and safety;
- Promote a sustainable environment;
- Maintain professionalism in all our activities;
- Empower our employees and stakeholders.

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Message from The CEO

I have dedicated much of my professional life to Lidwala because I believe our services can make a contribution to infrastructure and quality of life in Africa.

I also believe that our specialist approach to engineering and environmental projects, together with our solution driven mentality and ability to serve our clients, can, and has, led to standard-setting engineering and environmental solutions.

Our commitment at Lidwala is to make your experience of engineering infrastructure world-class in every respect.

Together with a very talented team, I'm striving to provide an unbeatable combination of appropriate and high-quality solutions, delivered on time, and backed by outstanding professional support.

The strong, lasting relationships that we have with many of our clients are a testimony to the value we offer. However, we are also keenly aware of the fact that, in the eyes of our customers, we are only as good as our next solution.

Whether you are a new or existing customer, I encourage you to browse through this document and allow us to assist you in finding a solution to your latest engineering challenge. If you've got a question, comment or suggestion about a way to improve our business on any level, please contact me directly.

Sincerely,
Mr Wesley Tendaupenyu (PrEng)

Making a contribution to infrastructure and quality of life in Africa

OUR COMMITMENT AT LIDWALA



Mr Wesley
Tendaupenyu
(PrEng)

CHIEF EXECUTIVE OFFICER (CEO)

Disciplines & Expertise

Our commitment at Lidwala is to make your experience of the provision of engineering infrastructure world-class in every respect.

Together with a very talented team, we strive to provide an unbeatable combination of appropriate and high-quality solutions, delivered on time, and backed by outstanding professional support.



Highways & Transportation Engineering

Lidwala's Highways and Transportation discipline encompasses the provision of efficient, convenient and effective modes of transportation that are safe and economical; designed to meet the needs of the public and the transportation sector.



Water & Sanitation Engineering

Lidwala provides clients with specialist solutions from planning, design, implementation management and commissioning of water and waste water projects; ensuring effective, equitable and efficient water-use.



Civil Infrastructure Engineering

Lidwala provides clients with relevant technical experience in civil infrastructure engineering that has been acquired over many years. Our expertise includes the following infrastructure categories: residential, commercial, industrial, social, recreational and agricultural land-use.



Structural Engineering

Lidwala's Structures and Bridges discipline provides clients with professional, innovative and creative solutions in the commercial, industrial and residential sectors of the built environment industry.



Striving to provide an unbeatable combination of appropriate and high-quality solutions, delivered on time, and backed by outstanding professional support.



Turnkey Projects

Lidwala undertakes and participates in projects on an EPCM (Engineering, Procurement and Construction Management) basis covering multiple engineering and project management disciplines for the entire life cycle, starting with feasibility to operation and eventually handover or closure.



Project Management & Specialist Advice

Lidwala's Project Management discipline applies world class project management methodology to ensure projects are delivered on time and within budget, whilst meeting the standards of quality expected by our clients.



Spatial Management Information Solutions (SMIS)

Lidwala's SMIS discipline specialises in the integration of spatial information systems with traditional information technology. Lidwala develops desktop and web-based GIS solutions that are informative and easy to use.



Environmental Management Services

Lidwala provides environmental planning and management services that are in accordance with the integrated environmental management procedures and the environmental impact assessment regulations.

Our Clients



Corporate Social Investment

Making a difference across the continent for a better tomorrow



Being a responsible corporate citizen and an integral part of the communities in which it operates, Lidwala is committed to contributing to economic development and social upliftment in all countries it is involved in. Lidwala respects the cultural diversity in its countries of operation and participates in building the skills of its employees and their communities.

Contributions to local communities and registered charities are given in the form of donations, professional advice and professional time. Bursaries are offered to deserving engineering students from disadvantaged backgrounds to develop staff professionally.

Highways & Transportation Engineering



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Highways & Transportation Engineering

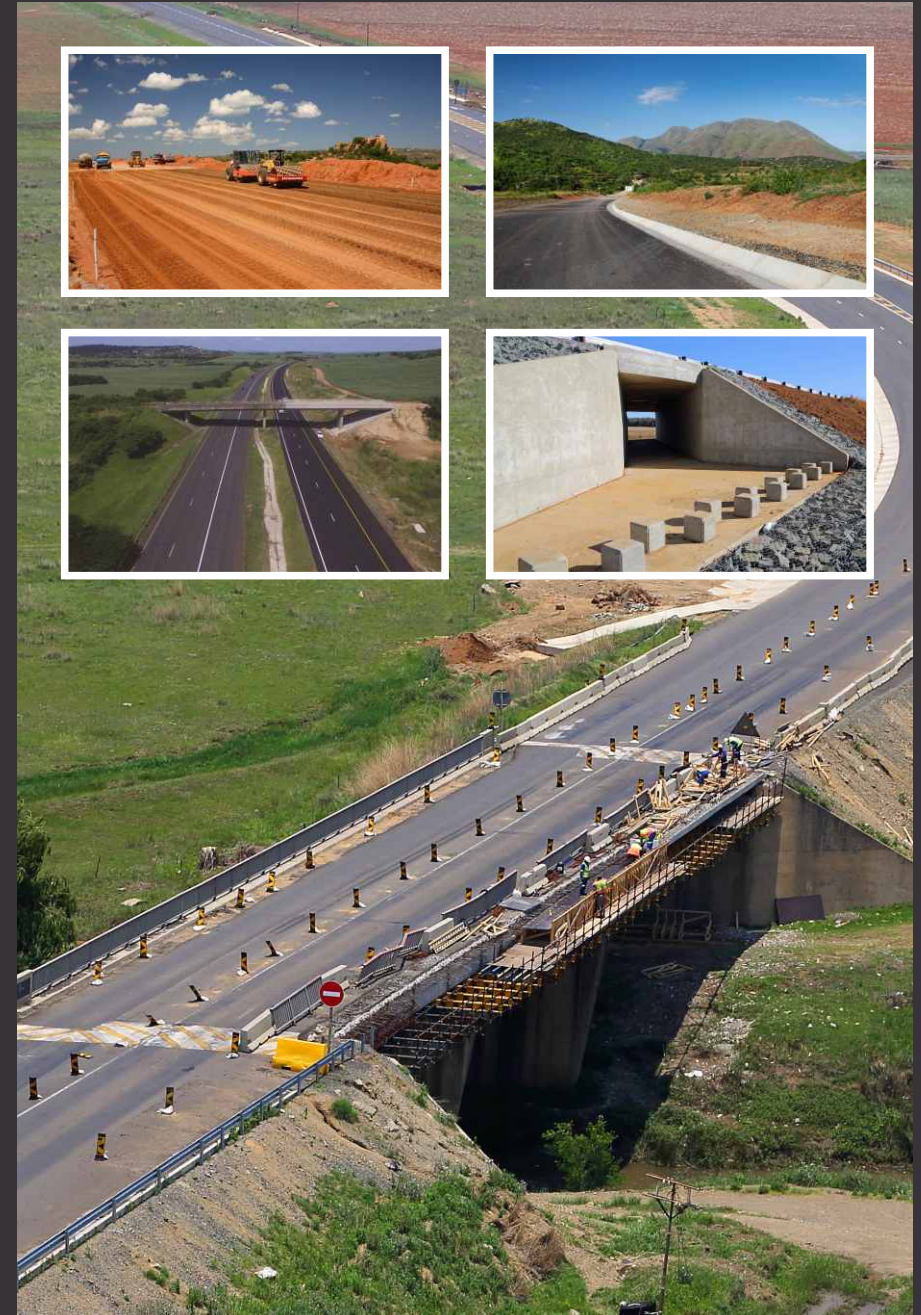
OVERVIEW

Lidwala's highways and transportation team provides a comprehensive range of road design and transportation related engineering services; fulfilling appointments for all three tiers of Government -National, Provincial/Regional and Local as well as a large number of Private sector and Parastatal clients.

We pride ourselves in providing our clients with specialist solutions and related work that is of the highest quality. We have successfully completed numerous projects to the value of billions on International, National and Provincial roads, including interchanges and major link routes.

EXPERTISE

- Feasibility studies
- Geometric design
- Pavement and materials engineering
- Planning of National, Provincial, Metropolitan urban and rural roads
- Design and rehabilitation of freeways and interchanges
- Design and rehabilitation of rural and urban single and dual carriageways
- Traffic and transportation studies
- Township layout master planning
- Labour-based construction methods
- Gravel roads and streets
- Pavement and Road Asset Management Systems (RAMS)
- Commercial development parking areas and stormwater management design



INSTITUTION NAME	NATURE OF WORK / PROJECT NAME	PROJECT BUDGET	COMPLETION DATE
North West Department of Public Works, Roads and Transport 11002	Planning, Design, Tender Documentation and Construction Supervision of Road P28/4 between Lichtenberg and Mafikeng - Widening of the existing roadway by providing 3m wide surfaced shoulders on both sides of the road - Geometric upgrading of all intersections - In-situ reconstruction of the existing base and sub base layers. - The In-situ layers will be stabilized with BSM Foam Bitumen (To Tg2) - Surfacing the new base with an A-E2 modified binder with rolled in chippings to add structural strength and resist rutting - Improve drainage and lengthen all culverts	R501 million	November 2020
Afrisa Consulting (Pty) Ltd 14004	Upgrade of 45km Road from Kibondo to Mabamba, Tanzania - The proposed upgraded bus route follows the alignment of the existing bus route. - The base and subbase layers of the road will consist of stabilized borrow material and the subgrade layer will predominantly consist of in-situ material. - The total length of the upgrade is estimated at 3.2km with 3.7m wide lanes, 1.2m wide paved sidewalks on both sides of the road. - New culverts together with side drains and channels will be utilized for stormwater management of the road.	R420 million	June 2019
South African National Roads Agency (SANRAL) 10007	Rehabilitation of National Road R35 between Amersfoort and Morgenzon (39km) - Very detailed accommodation of traffic designs to facilitate uninterrupted coal transport to the adjacent Power Station. - Reconstruction of road to new vertical alignment and with climbing lanes. - Intersection and bridge upgrades. - Opening of 8 new borrow-pits and 2 quarries to obtain construction material. - Construction of a new stabilised sub- base.	R300 million	December 2015
Road Development Agency (RDA) Zambia CPG - Civil and Planning Group? 9015	Rehabilitation of 367km of Road T4, Luangwa to Chipata, Zambia - Very detailed accommodation of traffic designs to facilitate uninterrupted coal transport to the adjacent Power Station. - Reconstruction of road to new vertical alignment and with climbing lanes. - Intersection and bridge upgrades. - Construction of a new stabilized sub- base.	R300 million	September 2009
Department of Public Works Roads &Transport (DPWRT) 12028	Rehabilitation of the P17 Between Hazyview and White River, Mpumalanga - In-situ reconstruction of existing base and subbase being 250mm deep. - Modification of the existing base and subbase by adding G2 materials. - Stabilisation of the new sub-base to C4 properties. - Surfacing the new base with a 45mm asphalt with rolled in chippings. - Geometric upgrade of major junctions and access management in built-up areas.	R295 million	July 2017
National Department of Public Works Driver Group Africa (Pty) Ltd 14035	Road Infrastructure for Salvokop Ext 4, Pretoria, RSA - Sub-Consulting Services for the Planning, Design and Construction of Township Services at Salvokop Extension 4, particularly the civil and structural works, provisionally anticipated to be: - Package 1: Civil and structural Work - Roads: bulk/access roads, internal streets, intersections - Walkways and road side furniture - Eastern Link Bridge	R250 million	November 2022

Company Projects

Highways & Transportation Engineering

INSTITUTION NAME	NATURE OF WORK / PROJECT NAME	PROJECT BUDGET	COMPLETION DATE
Mpumalanga Dept of Roads & Transport 2023 and 6042	Upgrading of Road P77-1 from Barberton to Bulembu in the Ehlanzeni Region (EPWP) - Widening of the existing road prism - Stopping bays will be built as viewing points for tourists - Labor-enhanced designs - A low-level crossing at Mlomati river is being replaced by a high-tide bridge - New culverts together with side drains and channels will be utilised for stormwater management of the road - Safety improvements include extensive guardrails and geometric improvement	R165 million	May 2009
Department of Public Works Roads & Transport (DPWRT) 16004	Road D281 from Volkrust to Daggakraal, Mpumalanga, RSA - The road section under investigation includes several T-junctions, 3 large culverts, and various nominal in-situ constructed box culverts - Widening of the existing road - Stormwater drainage upgrade - Erosion protection in the form of stone pitching and gabions will be provided where necessary	R149 million	June 2021
South African National Roads Agency (SANRAL) 10001	83 km Road Rehabilitation of the R33 Carolina to Belfast, Mpumalanga, RSA - Very detailed accommodation of traffic designs to facilitate uninterrupted coal transport to the adjacent Power Station - Reconstruction of road to new vertical alignment and with climbing lanes - Intersection and bridge upgrades - Opening of 8 new borrow-pits and 2 quarries to obtain construction material	R140 million	July 20150
Mpumalanga Dept of Roads & Transport 9034	Upgrade of Ermelo to Morgenzon P50/1 Review As-Built Data of the Pavement and the Materials Used - Widening of the existing roadway by providing 3m wide surfaced shoulders on both sides of the road - Geometric upgrading of all intersections - In-situ reconstruction of the existing base and sub base layers - The In-situ layers will be stabilized with BSM Foam Bitumen (To Tg2) - Surfacing the new base with an A-E2 modified binder with rolled in chippings to add structural strength and resist rutting - Improve drainage and lengthen all culverts	R140 million	February 2012
South African National Road Agency (SANRAL) 8001	Reseal of National Route N12 Section 20 Between Delmas and Ogies - Slurry texture treatment in the fast lane, slow shoulders and the ramps - Milling out of the asphalt surfacing in the slow lane to a depth of 40 – 80 mm - Replacing the asphalt with an A-E2 modified asphalt with added structural strength and resistance to rutting - Construction of a 16.0 mm bitumen rubber single seal in the slow lane insitu reconstruction of the existing pavement followed by a 30mm asphalt surfacing - Construction of a 13.2 mm bitumen rubber single seal in the fast lane, slow shoulder and ramps - Repair of an 11 km section of concrete pavement by means of extensive concrete patching, repairing and sealing of joints - Construction of a slurry treatment and 16.0 mm SAMI over the concrete pavement	R135 million	April 2010
Department of Public Works Roads & Transport (DPWRT) 17011	Detailed design and upgrading of D4407: Hluvukani to Timbavati & D4416: Bohlabela region Planning, design, tender documentation and construction supervision for the upgrading of road D4407 between Hluvukani and Timbavati, road D4409 at Welverdiend and road D4416/2 between Welverdiend and road P194/1	R120 million	July 2021

Company Projects

Highways & Transportation Engineering

INSTITUTION NAME	NATURE OF WORK / PROJECT NAME	PROJECT BUDGET	COMPLETION DATE
Road Agency Limpopo (RAL) 6056	Upgrade Gravel to Paved Road, Makopane to Ga-Mashashane, Limpopo, RSA - The proposed upgraded bus route follows the alignment of the existing bus route. - The total length of the upgrade is estimated at 3.2km with 3.7m wide lanes, 1.2m wide paved sidewalks on both sides of the road. - New culverts together with side drains and channels will be utilized for stormwater management of the road.	R77 million	September 2010
South African National Roads Agency (SANRAL) 8050	Design of Reconstruction of National Road R571 between km 28 and Mananga - Widening of the existing roadway by providing 3m wide surfaced shoulders on both sides of the road - Geometric upgrading of all intersections - In-situ reconstruction of the existing base and sub base layers. - The In-situ layers will be stabilized with BSM Foam Bitumen (To Tg2) - Surfacing the new base with an A-E2 modified binder with rolled in chippings to add structural strength and resist rutting - Improve drainage and lengthen all culverts	R50 million	April 2011
Road Development Agency (RDA) Zambia 18016	Detailed Design and Reconstruction of 45km of M006, Luanshya-Fisenge-Masangano Road, Zambia - Preliminary road reconnaissance - Collection and review of existing data; Topographical survey; Geotechnical survey of the; Traffic - Inception - Concept and viability	R21 million	June 2020
Ministry of Local Government and Housing, Zambia 16016	Upgrade of 240km Gravel Feeder Road in Chama District, Zambia - The proposed upgraded bus route follows the alignment of the existing bus route. - The base and subbase layers of the road will consist of stabilized borrow material and the subgrade layer will predominantly consist of in-situ material. - The total length of the upgrade is estimated at 3.2km with 3.7m wide lanes, 1.2m wide paved sidewalks on both sides of the road. - New culverts together with side drains and channels will be utilized for stormwater management of the road.	R12.5 million	June 2019
Mbombela Local Municipality 6009	Upgrading from gravel to tar of Msogwaba bus route from Road P258/1 to Daantjie in the Mbombela Local Municipality, RSA - The proposed upgraded bus route follows the alignment of the existing bus route. - The base and subbase layers of the road will consist of stabilized borrow material and the subgrade layer will predominantly consist of in-situ material. - The total length of the upgrade is estimated at 3.2km with 3.7m wide lanes, 1.2m wide paved sidewalks on both sides of the road. - New culverts together with side drains and channels will be utilized for stormwater management of the road.	R6 million	September 2009

Water & Sanitation Engineering



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Water & Sanitation Engineering

OVERVIEW

Fresh water is recognised as a key national resource as it is an indispensable finite resource that must be protected and carefully managed for current and future generations to come. Population increase is associated with the decline in water quality and per person availability. This realisation has enormous social, economic and environmental implications and provides a driving force to develop innovative and equitable ways of adapting to the inevitable scarcity. Lidwala's water and sanitation team provides our clients with a full range of water related infrastructure solutions.

EXPERTISE

- Feasibility studies and engineering investigations
- Water purification and sewage treatment
- Rising mains
- Bulk pipelines
- Pump stations
- Outfall sewers
- Storage facilities
- Distribution modelling and analysis
- Water demand management
- Water master-planning
- Trenchless technologies
- Site supervision and project management



Company Projects

Water & Sanitation Engineering

INSTITUTION NAME	NATURE OF WORK / PROJECT NAME	PROJECT BUDGET	COMPLETION DATE
Dr Ruth S Mompoti District Municipality 8003	Upgrading of the Bloemhof Water Treatment Works from 14,4 ML/day to 25M/day - Detailed investigation of the status of the current Water Treatment Plant and the refurbishment design to reinstate the works to their original design capacity - The preliminary and detail design to augment its capacity to deal with the current and future water demands for the project area.	R156 million	On going
Rand Water SOC (Ltd) 16017	F47 Pipeline Between Weltevreden and Cosmo City Reservoirs - The design, tender documentation and tender evaluation for the of new F47 Bulk water pipeline, in the western suburbs of Johannesburg, this included the following: - Section 1: Approximately 3.7km of 1400mm ND steel pipeline (12mm wall thickness) connecting from the Weltevreden Reservoir and linking to the Honeydew Reservoir - Section 2: being approximately 4.45km of 1000mm ND steel pipeline (10mm wall thickness) from Honeydew Reservoir to Cosmo City Reservoir.	R150 million	2014
Rand Water SOC (Ltd) 20005	Design and construction of Pipeline - C18 Pipeline Project - The design, and construction supervision of Bulk water pipeline - Approximately 4.0km of 1000mm ND steel pipeline (12mm wall thickness) connecting from Zwartkoppies to Enerdale Reservoir	R139 million	October 2021
City of Ekurhuleni 14025	Welgedacht Water Network Upgrade – Phase 1 and Phase 2 - Construction of a new dedicated water supply main from the existing Persida Reservoir to supply only Welgedacht Proper, Welgedacht Extension, i.e. ward 75 as well as Bakerton Proper, i.e. ward 72 - Construction of an additional water storage reservoir adjacent to the existing Persida Reservoir and a bulk water line to supply additional	R108 million	December 2018
Johannesburg Water SOC (Ltd) 12015	Soweto Infrastructure Upgrade and Rehabilitation in Super-Block 09 - Secondary mains reticulation upgrading - Secondary reticulation leak detection and repair - Bulk meter installation	R73 million	November 2014 On Hold
Mkhondo Local Municipality 16008	Driefontein to Iswepe Bulk Water Pipeline Phase 1 & 2 - Design and Construction Supervision - Construction of 23.7 km of a bulk water pipeline, and water reticulation of varying sizes from 75mm DIA to 160 mm - Construction of 3ML ground reservoir, and 1ML Elevated steel tank	R61.1 million	July 2020
Rand Water SOC (Ltd) 19010	Design and construction of Pipeline - G23 Pipeline Project - The design, and construction supervision of Bulk Water Pipe line - Approximately 2.1km of 1000mm ND steel pipeline (12mm wall thickness) connecting from the Atrium Road to Golden Highway	R57 million	July 2021
Rand Water SOC (Ltd) 19011	Design and construction of Pipeline - L6 Pipeline Project - The design, and construction supervision of Bulk water pipeline - Approximately 1.8km of 1000mm ND steel pipeline (12mm wall thickness) in the East Rand	R46 million	July 2021

Company Projects

Water & Sanitation Engineering

INSTITUTION NAME	NATURE OF WORK / PROJECT NAME	PROJECT BUDGET	COMPLETION DATE
MVULA Trust 16003	Bushbuckridge Accelerated Schools Infrastructure Development Initiative - The design and construction of water supply system with individual water connections - The design and construction of toilets	R46 million	February 2017
MVULA Trust 13004	Mpumalanga Accelerated Schools Infrastructure Development Initiative - The design and construction of water supply system with individual water connections - The design and construction of toilets	R43 million	March 2016
NamWater 16923	Hardap dam rehabilitation and refurbishment works Engineering Design, Documentation and Construction Supervision on the Maintenance Refurbishment of Hardap Dam, Hardap Region.	NAD 43 milliion	November 2020
Dr Ruth S Mompoti District Municipality 12025	Upgrading of raw Bloemhof Water Abstraction Works - Design of Abstraction Works at Bloemhof to cater for the growth and upgrading of the water system to supply Bloemhof, Schweize Reneke - Flood protection of the sewer pump station. - The analysis of availability of Water resources.. - The design of a new pump station and river intake manhole in the Vaal River downstream of the Bloemhof Dam	R40 million	July 2020
Mpumalanga Department of Human Settlement 12021	Construction of the Gravity Pipeline between Boschrand and Phumlani Planning, design, tender documentation and construction supervision for the new 600mm ND gravity main from Boschrand Reservoir to the Phumlani booster pump station at Rocky Drift in the Mbombela Local Municipality.	R26 million	April 2017

Civil Infrastructure Engineering



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Civil Infrastructure Engineering

OVERVIEW

Correctly planned land development provides a firm foundation for urban communities alike to live, work and play in a safe and functional environment. This facilitates social stability and economic sustainability within communities. Our team is managed by seasoned professionals, with in-depth technical expertise, who are passionate about providing creative and innovative solutions for infrastructure challenges.

EXPERTISE

- Feasibility studies and engineering investigations
- Bulk services capacity analysis
- Township layout master-planning
- Development management
- Civil infrastructure design, project commissioning and close-out
- Stormwater and attenuation management systems
- Low-cost housing developments
- Labour based construction methods
- Geotechnical investigations
- Site rehabilitation and landscaping
- Commercial development
- Turnkey projects
- Site supervision and project management



Company Projects

Civil Infrastructure Engineering

INSTITUTION NAME	NATURE OF WORK / PROJECT NAME	PROJECT BUDGET	COMPLETION DATE
Driver Group Africa (Pty) Ltd 14035	Provision of Consulting Services for the Planning, Design and Construction of Township Services at Salvokop Extension 4: - Design and construction supervision for the following infrastructure: - Internal Roads; Internal Stormwater; Internal Water Reticulation; Internal Sewer Reticulation - The upgrading of four major access intersections - The design of a new access with associated bridges over a PRAZA railway line - The design of a new 30ML Water Reservoir - The design of Bulk Water Line upgrades	R250 million	November 2022
Rand Water SOC (Ltd) 16017	F47 Pipeline Between Weltevreden and Cosmo City Reservoirs - The design, tender documentation and tender evaluation for the of new F47 Bulk water pipeline - Section 1: Approximately 3.7km of 1400mm ND steel pipeline (12mm wall thickness) connecting from the Weltevreden Reservoir and linking to the Honeydew Reservoir, and - Section 2: being approximately 4.45km of 1000mm ND steel pipeline (10mm wall thickness) from Honeydew Reservoir to Cosmo City Reservoir.	R250 million	2014
Dr Ruth S Mompati District Municipality 8003	Upgrading of the Bloemhof Water Treatment Works from 14,4 ML/day to 25M/day - Detailed investigation of the status of the current Water Treatment Plant and the refurbishment design to reinstate the works to their original design capacity - The preliminary and detail design to augment its capacity to deal with the current and future water demands for the project area.	R156 million	July 2021
City of Ekurhuleni Mr M Mthimkhulu 14025	Welgedacht water network upgrade – Phase 1 and Phase 2 - Construction of a new dedicated water supply main from the existing Persida Reservoir to supply only Welgedacht Proper, Welgedacht Extension, i.e. ward 75 as well as Bakerton Proper, i.e. ward 72 - Construction of an additional water storage reservoir adjacent to the existing Persida Reservoir and a bulk water line to supply additional	R108 million	December 2018
Namibia Ministry of Works and Transport 11017	Construction of Okangwati Police Station, Namibia Namibia - The design and construction of water supply system - The design and construction of sewage treatment works for the clinic - The design and construction of internal Roads infrastructure comprising the construction of internal streets and stormwater drainage	R89.2 million	On Hold
Johannesburg Water 12015	Soweto infrastructure upgrade and Rehabilitation in Super-Block 9 - Design and Construction Supervision of the Upgrade of the Water Network in Pimville Soweto Comprising of 22km of Water pipeline upgrades of varying sizes from 110mm to 400mm diameter 18 bulk meters - Discretisation of blocks - Leak Detection and Pressure management	R73 million	November 2014 on Hold
Mkhondo Local Municipality 16008	Planning, Design and Construction Supervision of the Driefontein to Iswepe Bulk Water Pipeline Phase 1 & 2 - Design and Construction Supervision - Construction of 23.7 km of a bulk water pipeline, and water reticulation of varying sizes from 75mm DIA to 160 mm - Construction of 3ML ground reservoir, and 1ML Elevated steel tank	R61.1 million	July 2020

Company Projects

Civil Infrastructure Engineering

INSTITUTION NAME	NATURE OF WORK / PROJECT NAME	PROJECT BUDGET	COMPLETION DATE
MVULA Trust 16003	Bushbuckridge Accelerated Schools Infrastructure Development Initiative - The design and construction of water supply system with individual water connections - The design and construction of toilets	R46 million	February 2017
Ekurhuleni Metropolitan Municipality Department of Housing 10026	Township Development of Payneville Ext 1, 1115 Residential Erven - The following design and construction activities were implemented on the project. - The design and construction of water network system with individual water connections to approximately 1115 residential 1 stands - The design and construction of sewage network connections to approximately 1115 residential 1 stands - The design and construction of Roads infrastructure comprising the construction of internal streets and stormwater drainage - Construction of approximately 1115 toilet structures - Overall project management and construction supervision	R44 million	March 2013
MVULA Trust 13004	Mpumalanga Accelerated Schools Infrastructure Development Initiative - The design and construction of water supply system with individual water connections - The design and construction of toilets	R43 million	March 2016
Dr Ruth S Mompoti District Municipality 12025	Upgrading of Raw Bloemhof Water Abstraction Works - Design of Abstraction Works at Bloemhof to cater for the growth and upgrading of the water system to supply Bloemhof, Schweize Reneke - Flood protection of the sewer pump station. - The analysis of availability of Water resources - The design of a new pumps station and river intake manhole in the Vaal River downstream of the Bloemhof Dam.	R40 million	July 2020
Mkhondo Local Municipality 18006	Planning, Design and Construction Supervision of the Rustplaas WWTW and Sewer Reticulation - Construction of 15.1 km of sewer reticulation of varying sizes from 160mm DIA to 250 mm - Construction of two 1ML/d WWSP Waste Water Treatment Works	R34.2 million	October 2020
Namibia Ministry of Works and Transport 11030	Namibia, Otjozondjupa Offices Construction - The design and construction of water supply system - The design and construction of sewage treatment works for the clinic - The design and construction of internal Roads infrastructure comprising the construction of internal streets and stormwater drainage	R34 million	February 2016
Mkhondo Local Municipality 18009	Planning, Design and Construction Supervision of the Rustplaas WWTW and Sewer Reticulation - Design and construction Supervision - Construction of 14.1 km of sewer reticulation of varying sizes from 160mm DIA to 250 mm - Construction of two 0.5ML/d WWSP Waste Water Treatment Works	R32 million	October 2020

Company Projects

Civil Infrastructure Engineering

INSTITUTION NAME	NATURE OF WORK / PROJECT NAME	PROJECT BUDGET	COMPLETION DATE
Mpumalanga Department of Human Settlement 12021	Construction of the gravity pipeline between Boschrand and Phumlani Planning, design, tender documentation and construction supervision for the new 600mm ND gravity main from Boschrand Reservoir to the Phumlani booster pump station at Rocky Drift in the Mbombela Local Municipality.	R26 million	April 2017
IDT Limpopo 11020	Toitskraal Community clinic, Limpopo - The design and construction of water supply system - The design and construction of sewage treatment works for the clinic - The design and construction of internal Roads infrastructure comprising the construction of internal streets and stormwater drainage	R23 million	July 2012
Namibia Ministry of Works and Transport 14008	Feasibility study, construction of combined schools and hostels, Aussenkehr, Karas Region, Namibia Compilation of a feasibility study for the provision of services water, sewer and internal roads for the school cluster in Aussenkehr	R1.5 million	On Hold

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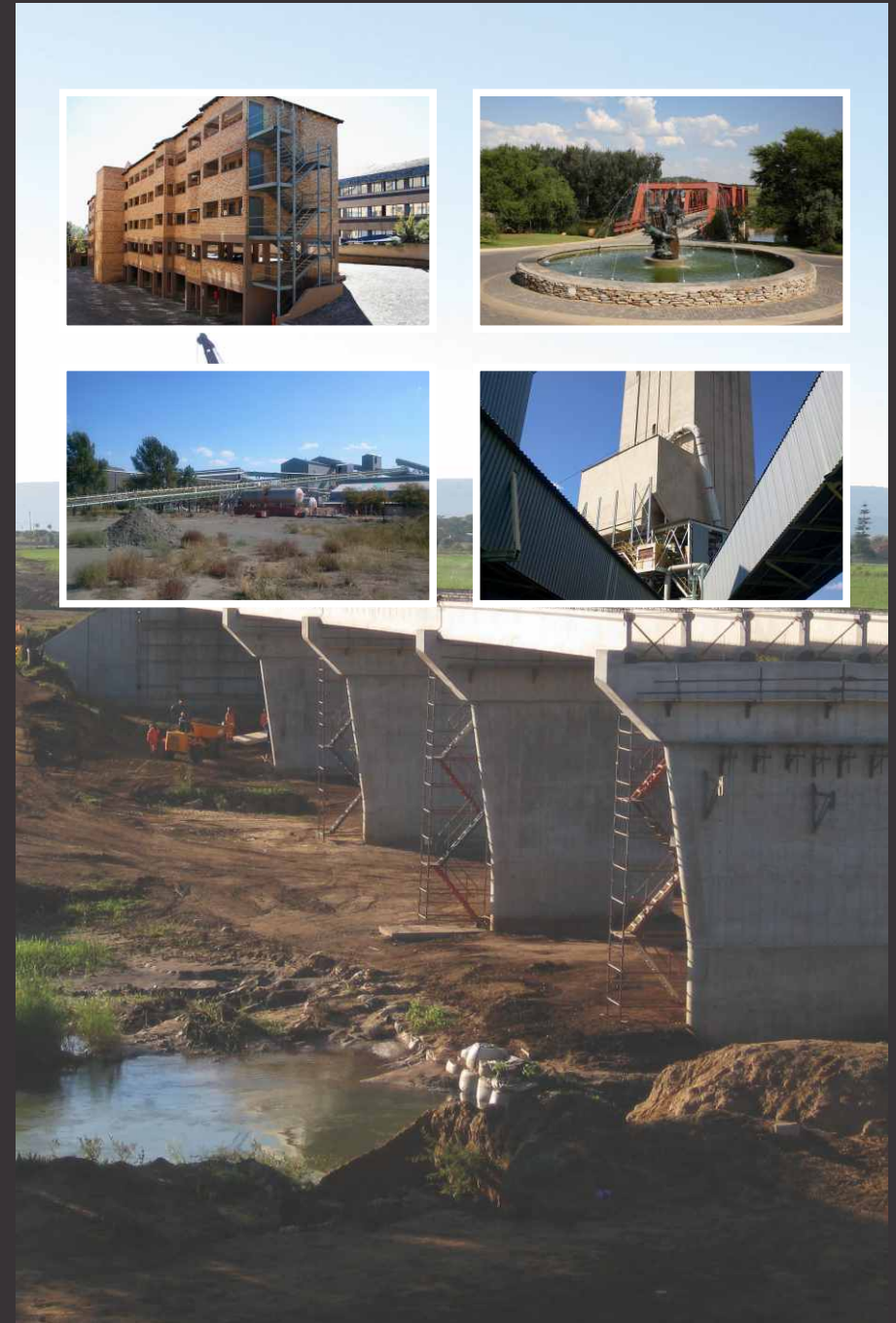
Structural Engineering

OVERVIEW

Specialist knowledge, professionalism and our creative, innovative approach ensures the provision of a superior service to our clients. The structural engineering team has established a firm reputation for quality and efficiency; working closely with our clients to achieve optimal and innovative solutions in the built environment.

EXPERTISE

- Conceptual design
- Structural concrete design
- Structural steel design
- Building services
- Bridges
- Bridge Management Systems (BMS)
- Structures for infrastructure development / reservoirs & pump stations



INSTITUTION NAME	NATURE OF WORK / PROJECT NAME	PROJECT BUDGET	COMPLETION DATE
Driver Group Africa (Pty) Ltd 14035	Provision of Consulting Services for the Planning, Design and Construction of Township Services at Salvokop Extension 4: - Design and construction supervision for the following infrastructure: - Internal Roads; Internal Stormwater; Internal Water Reticulation; Internal Sewer Reticulation - The upgrading of four major access intersections - The design of a new access with associated bridges over a PRASA railway line - The design of a new 30MI Water Reservoir - The design of Bulk Water Line upgrades	R250 million	November 2022
Ministry of Works and Transport 11017	Construction of Okangwati Police station, Namibia - Detail modelling of the structure with load analysis and calculation - Detail foundation design and drawings - Detail reinforced concrete structures - Construction Supervision	R91 million	On Hold
Mpumalanga Department of Public Works 11025	Design and Construction Supervision, Masibekela-Sibange Bridge over the Komati River, Mpumalanga - Detail modelling of the structure with load analysis and calculation - Detail foundation design and drawings - Detail reinforced concrete bridge design - Construction Supervision	R58 million	June 2013
Ekurhuleni Metropolitan Municipality Department of Housing 10026	Township Development of Payneville Ext 1, 1115 residential erven - The following design and construction activities were implemented on the project. - The design and construction of water network system with individual water connections to approximately 1115 residential 1 stands - The design and construction of sewage network connections to approximately 1115 residential 1 stands - The design and construction of Roads infrastructure comprising the construction of internal streets and stormwater drainage - Construction of approximately 1115 toilet structures - Overall project management and construction supervision	R44 million	March 2013
Wykwet 31 (Pty) Ltd 14902	Double Story Townhouse Complex Honeydew Manor Ext 31 - Civil and Structural design and construction supervision of a new 8,140m2 Double Story Townhouse Complex - Design of the terrace - Stormwater attenuation facilities - Concrete structure	R36.6 million	August 2015
Ekurhuleni Metropolitan Municipality 14025	Welgedacht Water Network Upgrade Phase II: - Construction of a new dedicated water supply main from the existing Persida Reservoir to supply only Welgedacht and Welgedacht Ext 1(Ward 75) as well as Bakerton, Bakerton Ext 1,2,3 and 4(Ward 72). This design has been completed by Infraconsult Consulting Engineers and the implementation is currently taking place. Completion is expected to be December 2016. - Construction of an additional Water Storage Reservoir adjacent to the existing to the existing 7.5MI Persida Reservoir to provide additional storage capacity. - Construction of a booster pump station at the Rand Water R 3774 connection in order to increase the flow and pressure in the existing supply line. This item has been replaced by a 9.5km pipeline which connects at the Rand Water RW3774 connection.	R24 million	December 2018

Company Projects

Structural Engineering

INSTITUTION NAME	NATURE OF WORK / PROJECT NAME	PROJECT BUDGET	COMPLETION DATE
Independent Development Trust 11020	Design of Structural Component, Toitskraal Community Clinic - Detail modelling of the structure with load analysis and calculation - Detail foundation design and drawings - Detail reinforced concrete structures - Construction Supervision	R23 million	July 2012
Independent Development Trust 11020	Design of Structural Component, Pudiakgupa Community Clinic, Limpopo - Detail modelling of the structure with load analysis and calculation - Detail foundation design and drawings - Detail reinforced concrete structures - Construction Supervision	R21 million	July 2012
Masingita Property Investments (Pty) Ltd 6018	New 14,000m² Regional Shopping Centre; Diepsloot Shopping Mall - Civil and Structural design and construction supervision. The project entailed - The design of the terrace, - Stormwater attenuation facilities - Structural steel frame of the building. - Access roadways and the upgrading of the intersection to William Nicol Drive, which is a provincial road.	R21 million	January 2008
Department of Roads and Transport Mpumalanga 7061	BRIDGE MANAGEMENT SYSTEM - Mpumalanga has over 600 bridges on a road network of over 13 000km. Lidwala's appointment included - Establishing a Road Asset Management System, which includes the BMS (bridge Management System) to store and analyse inventory and condition data. - Updating the condition data for each structure on the system every 3 to 5 years, - Using established deterioration models for structural elements to predict the future condition of bridges. - Compilation of unit repair costs and budgets, to the influence provision funding for repairs	R19 million	November 2011
Provincial Department of Public Works, Roads & Transport Mpumalanga 7061	Bridge Management System - Project management and provide quarterly reports - Update Bridge Inventory - Manage bridge condition inspections - Calculate Asset values and Maintenance and Rehabilitation (M&R) Lists - Maintain BMS Information - Port MS Access Database to Oracle XE	R19 million	January 2012
Department of Roads and Transport Mpumalanga 3003	Construction of bridge and upgrading from grave to tar or route D2973 between Clau-Clau and Gutshwaskop Villages The single span concrete bridge was founded on spread footings.	R17.3 million	August 2005

Company Projects

Structural Engineering

INSTITUTION NAME	NATURE OF WORK / PROJECT NAME	PROJECT BUDGET	COMPLETION DATE
Mpumalanga Department of Public Works 6006	Design Structural Component, Forensic Mortuaries, Mpumalanga - Detail modelling of the structure with load analysis and calculation - Detail foundation design and drawings - Detail reinforced concrete frame design with construction drawings	R14.5 million	March 2009
IDT Limpopo 13013	Alterations to Edward Homu Secondary School - Evaluation of the geotechnical report - Detail modelling of the structure with load analysis and calculation - Detail foundation design and drawings - Detail reinforced concrete frame design with construction drawings - Head office supervision and quality control - Final inspection - Project sign-off and structural certification	R13.1 million	December 2018
IDT Limpopo 13013	Alterations to Foskor Primary School - Evaluation of the geotechnical report - Detail modelling of the structure with load analysis and calculation - Detail foundation design and drawings - Detail reinforced concrete frame design with construction drawings - Head office supervision and quality control - Final inspection - Project sign-off and structural certification	R12.7 million	December 2018
Townhouse Warehouse 7016	Design Structural Component of the New Multi-Story Townhouse Complex, Chancliff Ridge - Evaluation of the geotechnical report - Detail modelling of the structure with load analysis and calculation - Detail foundation design and drawings - Detail reinforced concrete frame design with construction drawings - Head office supervision and quality control - Final inspection - Project sign-off and structural certification	R11.7 million	May 2009
The King's School West Rand 14019	The Kings School West Rand; New High School Buildings - Evaluation of the geotechnical report - Detail modelling of the structure with load analysis and calculation - Detail foundation design and drawings - Detail reinforced concrete frame design with construction drawings - Head office supervision and quality control - Final inspection - Project sign-off and structural certification	R2.1 million	February 2015

Company Projects

Structural Engineering

INSTITUTION NAME	NATURE OF WORK / PROJECT NAME	PROJECT BUDGET	COMPLETION DATE
Ministry of Works and Transport 16012	Establishment of Schools hostels, Onkumbula, Namibia • Detail modelling of the structure with load analysis and calculation • Detail foundation design and drawings • Detail reinforced concrete bridge design • Construction Supervision	R 0.9 million	On Hold

Turnkey Projects



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Turnkey Projects

OVERVIEW

Seamless integration of the entire project life cycle from early stage concept through design, procurement, construction and operation is key to the management of risk associated with new ventures. Our dedicated team ensures that multiple elements are integrated to deliver strategic objectives and benefits, whether projects are executed on a turnkey or EPCM basis. The team is equipped to take complex projects in various sectors through multiple development stages - from pre-feasibility, feasibility to design, procurement, construction as well as operational stages.

EXPERTISE

- Programme management
- Engineering, Procurement and Construction (EPC)
- Engineering, Procurement and Construction Management (EPCM)
- Financial modelling
- Pre-feasibility and bankable feasibility studies
- Capital raising
- Consortium structuring
- Advanced contracting
- Public-Private Partnerships (PPP) and tolling concessions



Company Projects

Turnkey Projects

INSTITUTION NAME	NATURE OF WORK / PROJECT NAME	PROJECT BUDGET	COMPLETION DATE
Zelastyle Limpopo, South Africa	Steelpoort Mixed Use Development Project Land size: 200 ha Development of: - Residential Units; - Commercial facilities; - Retail units; - Educational Facilities; - Medical/ Health Care Facilities	R7 billion	November 2026
Special Purpose Vehicle (SPV) Kinshasa (DRC)	Kinshasa Satellite City, Mixed Use Development Project Land size: 520 ha Development of: - Residential Units; - Commercial facilities; - Retail units; - Educational Facilities and - Medical/ Health Care Facilities	US\$240 Million	June 2031
Government of Zimbabwe Ministry of Transport & Infrastructure Development Harare, Zimbabwe	Harare – Nyamapanda Highway Toll PPP Project Responsible for: - Project capitalisation - Project and contract management - Detailed Engineering Design; - Construction supervision - Management of toll operations - Road maintenance management	US\$300 Million	December 2026
Piosol (Pty) Ltd Northern Cape, South Africa	Vangpan 40MW Solar Plant Development New Power Generation Facility Under the IPP Procurement Programme. - Financing; - Design; - Construction; - Operation and Maintenance.	R9 million	December 2023

Project Management & Specialist Advice



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Project Management & Specialist Advice

OVERVIEW

The consistent and diligent application of world class project management methodology is the cornerstone of project success. Our effective project management disciplines throughout the project management life cycle. Commitment to their profession and attention to detail allows our project managers to deliver multi-disciplinary projects on time and within budget, to the satisfaction of our clients.

EXPERTISE

- Engineering procurement, construction and management
- Turnkey delivery
- Programme management
- Property development
- Management support
- Strategic procurement
- Contractor development



Company Projects

Project Management & Specialist Advice

INSTITUTION NAME	NATURE OF WORK / PROJECT NAME	PROJECT BUDGET	COMPLETION DATE
MISA 17014	Amathole District Municipality: Appointment of a contractor for Regional management support service to Amathole District Municipality in Eastern Cape - The municipality is in a dire and deteriorating financial situation, with expenditure consistently exceeding income by hundreds of millions of Rands per annum. The start-up report identifies the main causes of this situation, which include high costs (particularly personnel expenditure), low tariffs, weak billing and revenue collection, over-supply of free water, and water losses. There is a need for the municipality to put in place a revised organisational structure which better reflects its core mandates, which is affordable, which does not include too many administrative positions, and which includes adequate technical positions. - Financial constraints, insufficient technical staff, and a lack of efficient and effective standard operating procedures are the root causes of weaknesses with the operation and maintenance of the water and waste water treatment plants in the municipality, resulting in problems with the reliability of water and sanitation service delivery as well as a deteriorating situation regarding meeting potable water quality and waste water effluent standards. - To address the challenges, the start-up report identifies a range of actions, including actions related to reducing costs, acquiring skills, increasing income, improving supply chain management and developing and implementing standard operating procedures and technical manuals. Eighteen KPIs for the RMSC project in ADM are identified in the areas of water and sanitation service delivery, financial management, supply chain management, and human resource management and institutional development. Seventeen of the KPIs are at outcome level.	R29 million	2020
MISA Sekhukune 19002	Sekhukhune District Municipality: Appointment of a contractor for Regional management support service to Sekhukhune District Municipality in Limpopo - The municipality is in a dire and deteriorating financial situation, with expenditure consistently exceeding income by hundreds of millions of rands per annum. The start-up report identifies the main causes of this situation, which include high costs (particularly personnel expenditure), low tariffs, weak billing and revenue collection, over-supply of free water, and water losses. There is a need for the municipality to put in place a revised organisational structure which better reflects its core mandates, which is affordable, which does not include too many administrative positions, and which includes adequate technical positions. - Financial constraints, insufficient technical staff, and a lack of efficient and effective standard operating procedures are the root causes of weaknesses with the operation and maintenance of the water and waste water treatment plants in the municipality, resulting in problems with the reliability of water and sanitation service delivery as well as a deteriorating situation regarding meeting potable water quality and waste water effluent standards. - To address the challenges, the start-up report identifies a range of actions, including actions related to reducing costs, acquiring skills, increasing income, improving supply chain management and developing and implementing standard operating procedures and technical manuals. Eighteen KPIs for the RMSC project in Sekhukhune District Municipality are identified in the areas of water and sanitation service delivery, financial management, supply chain management, and human resource management and institutional development. Seventeen of the KPIs are at outcome level.	R21 million	2020

Spatial Management Information Solutions (SMIS)



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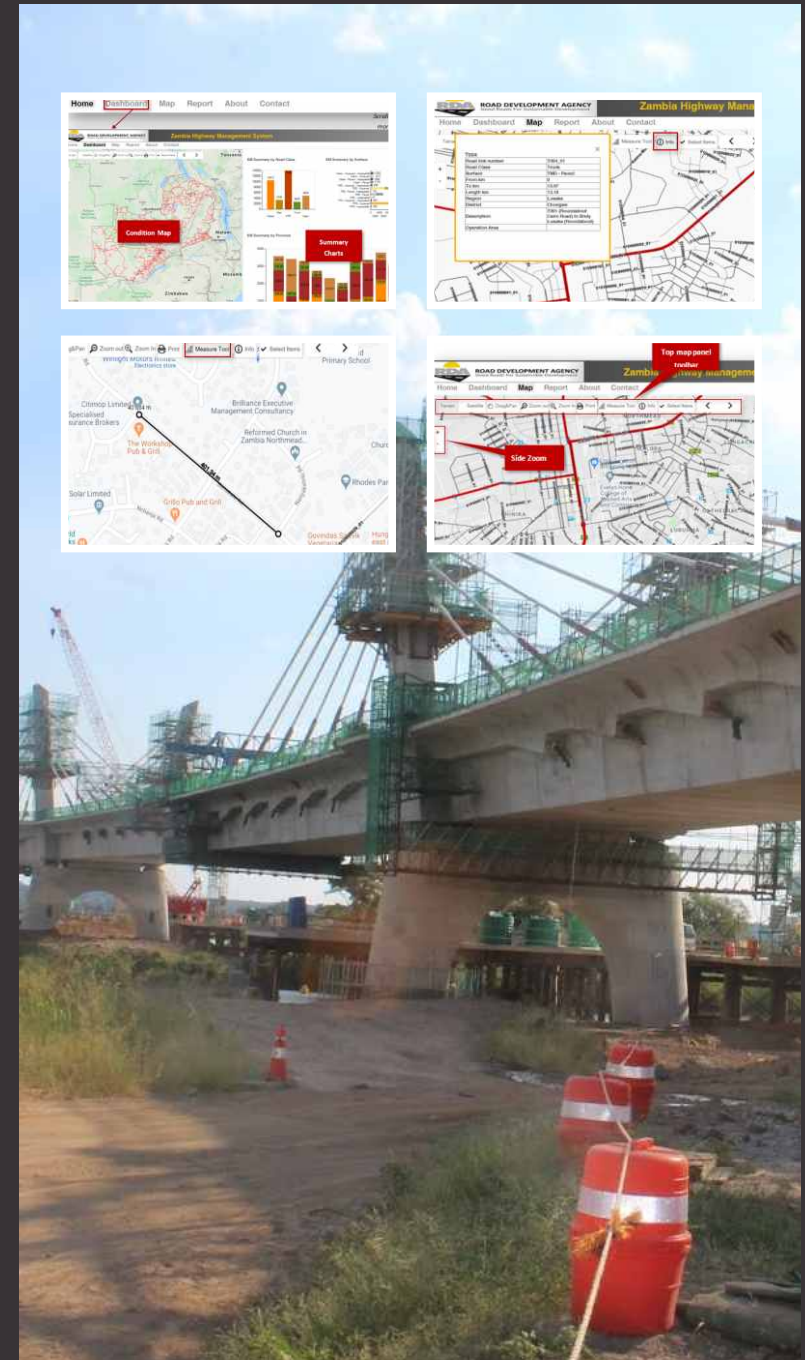
OVERVIEW

Geographical Information Systems (GIS) and related technologies unlocks the full potential of data by leveraging the power of maps and spatial analysis. This provides unparalleled insight into different facets of data that were previously unseen, converting raw data into valuable information. GIS can empower organisations through detailed knowledge regarding their assets and workflows, helping them solve problems, increase productivity and stay competitive.

At Lidwala, our SMIS team develops dynamic spatial management information solutions with applications in various sectors of industry, including, civil and structural engineering (such as asset and utilities management), town planning, environmental management (such as feasibility studies, spatial analysis and sensitivity mapping) and the geographical information industry itself.

EXPERTISE

- GIS programming, solutions design and implementation
- GIS and Spatial database design, development, programming, deployment and maintenance (PostGIS, Spatialite, MySQL, MS SQL, Oracle and ArcGIS SDE)
- Web-based GIS development and deployment (Geoserver, ArcGIS Server, Mapserver, Mapguide, GeoDjango)
- GIS hosting and virtualised GIS server setup (VMware, KVM, OpenVZ, Microsoft HyperV and Xen)
- Facilities and asset management solutions
- Mobile GIS and data capture solutions
- Design and maintenance of corporate GIS databases
- Distributed document management systems integrated with GIS
- Spatial analysis (vector and raster)
- Gap analysis
- Spatial data cleaning, maintenance and data migration
- General cartography and customised mapping
- Differential GPS survey and GPS data analysis
- Utilities mapping and route analysis
- GIS Support, systems documentation and user-training
- Pavement Management System inhouse software development



INSTITUTION NAME	NATURE OF WORK / PROJECT NAME	PROJECT BUDGET	COMPLETION DATE
Provincial Department of Public Works, Roads & Transport Mpumalanga 14024	Road Asset Management System - Installation, configuration and performance monitoring. Evaluate database design, features and database related products. Implement and maintain database security (users, roles and permissions). Keep data up-to-date. - Setup, optimize and maintain server. Evaluate performance and condition regularly. Maintain server security. - Do regular updates on software used for the system. - Establish and maintain sound backup and recovery system.	R44.2 million	2019
Provincial Department of Public Works, Roads & Transport Mpumalanga	Bridge Management System - Project management and provide quarterly reports - Update Bridge Inventory - Manage bridge condition inspections - Calculate Asset values and Maintenance and Rehabilitation (M&R) Lists - Maintain BMS Information - Port MS Access Database to Oracle XE - Update Bridge Inventory	R21 million	Current
Ngaka Modiri Molema District Municipality 20010	Development of Rural Road Asset Management System (RRAMS) and Professional support - Determine the extent and condition of Ngaka Modiri DM road network - Classify roads in terms of RISFSA - Update RRAMS data in line with the guideline's standards - Determine backlog of roads and associated funding requirements - Determine the use and state of information system for road network management - Implement best value systems to deliver long term value for money - Optimise road space availability and improve accessibility to public transport - Ensure safe road (public and personal) - Conduct traffic counts on existing road network - Standardize and consolidate available information from the RMP's of local municipalities for the purpose of RRAMS - Develop and update of web based RRAMS compliant with the National Standards and guidelines	R7.9 million	June 2022
Gert Sibande District Municipality 13019	Implementation of a Rural Roads Asset Management System (RRAMS) - Intake and Training of Graduates - Mentorship of Graduates - Visual Condition surveys, Traffic Counts, RNI updating - Data quality Management - Provision of RRAMS server, database, GIS - RRAMS Analysis - Submit data to National Department of Transport - Provide GIS maps of RNI, Condition, Traffic, RISFSA - Project Management and Monthly Reporting	R7 million	January 2017

Company Projects

Spatial Management Information Solutions (SMIS)

INSTITUTION NAME	NATURE OF WORK / PROJECT NAME	PROJECT BUDGET	COMPLETION DATE
Pixley Ka Seme District Municipality 19004	Pixley Ka Seme Rural Road Asset Management System (RRAMS) - Data cleaning and verification - Development of base framework, core spatial database, web based RRAMS interface and administration components. - Incorporate TMH22 index calculations, trigger/rule-based treatment selection models and unit rate-based budget determination - Development of configurable output reports and export formats (TMH18) - Submission of data in TMH 18 format to NDOT - Provided RRAMS and QGIS training. - Prepare configuration manual, user manuals and conduct end-user training; Skills transfer to civil engineering graduates.	R5 million	September 2021
Road Development Agency Zambia 20009	Development and enhance of the Zambia Highway Management System (HMS) - Road Information System – central road database; - PMS – interfacing with Highway Deterioration Model Version 4 (HDM-4) as agreed upon with the Employer; and - Geographical Information System module – spatial analysis of the core road network.	ZMW3.1 million	2021
Mpumalanga Department of Education 11008	Schools Infrastructure Condition Assessment, Mpumalanga, RSA - The project involved an assessment of National Education Information Management Systems (NEIMS) forms, assessment of the conditions and quality of furniture as well as updating the NEIMS data with information captured using Mobile devices. - Forms were designed to be used on these mobile devices (tablets) for in-field assessment and verification including a script to import the downloaded data and automatically fill the appropriate cells in Microsoft Excel forms. A script was also developed to import all pictures taken during the assessments into a Word document for easy printing of reports. - The captured data were then used to write reports on required repairs, renovations, upgrades and new facilities. - Objective 1: Collect information for 101 problem schools by 21 June 2011 - Objective 2: Fix erroneous data of current data by 31 May 2011	R2.77 million	2011
Millennium Challenge Corporation 12020	Web-Based Project Monitoring and Evaluation Platform, Namibia The project resulted in the development and implementation of a multi-user web-based Geographical Information System (GIS) whereby the story of the MCAN over the Compact period could be told. For this purpose, the system focused on presenting and analysing results with reference to the web-based interface, providing a platform to assist in understanding the spatial extents and locations of the key indicators, the interactions with beneficiary groups and to assist in identifying trends.	R1 million	June 2013
Aganang Consulting Engineers SA 14911	Development and hosting of a web-based RRAMS - Prepare requirements document and acceptance/test procedures - Development of base framework, core spatial database, web GUI and administration components - Incorporate TMH22 index calculations, trigger/rule-based treatment selection models and unit rate-based budget determination - Development of configurable output reports and export formats (TMH18) - Prepare configuration manual, user manuals and conduct end-user training	R0.59 million	February 2017

INSTITUTION NAME	NATURE OF WORK / PROJECT NAME	PROJECT BUDGET	COMPLETION DATE
Johannesburg Water 12015	Develop a Work Order Management System, Soweto, RSA - A pre-intervention survey was conducted, from which the retro-fitting and associated cost requirements per erf were determined. The collected information is reformatted by the system as a preliminary work-order for the particular erf. This work-order is then entered into an approval process whereby authorised individuals verify the contents of the work-order and associated costing. On approval, a job-card for the erf is generated and is made available to the pertaining plumber/contractor for download. Work is then affected per the job-card and pictures are taken per intervention. - The collected information is automatically uploaded to the WOMS server as a job-card-complete and provides a before/after view of each retro-fitted item. - As before, this submitted job-card-complete enters an approval process whereby, if accepted in totality, the particular job is signed off. Throughout the process, data collection and submission can be monitored from the web interface. Such information can be accessed for automatic generation of progress reports. - Erf history can be viewed from the pre-intervention stage to sign-off and performing or underperforming subcontractors can be identified. Assistance and resource re-allocation can then be applied where necessary.	R0.5 million	2014
Emalahleni Municipality 11013	Emalahleni Pavement Management Study, Mpumalanga, SAS - Visually assess, with engineering insight, all roads within the municipality with regards to surface, structural, functional condition and serviceability of the roads. - Maintenance of inventory of road infrastructure to provide Engineering principles into the compilation of treatment and maintenance lists. - Sourcing of existing network information and updating the road network by doing a desktop digitizing exercise to capture features that were not present in the dataset. - The network definition was refined by doing visual assessments to identify private roads, road surfacing (Flexible or gravel) and road condition.	R0.35 million	August 2011
TSB Sugar (Pty) Ltd 10021	TGS Agriculture GIS Pongola, KZN, RSA Lidwala was appointed to verify field information and to build a GIS linked to the existing TSB Laboratory Information Management System (LIMS). Lidwala made use of existing paper maps and satellite images to produce land-use maps per farmer providing sugar cane to TSB in the Pongola area.	R0.3 million	March 2015

Environmental Management Services



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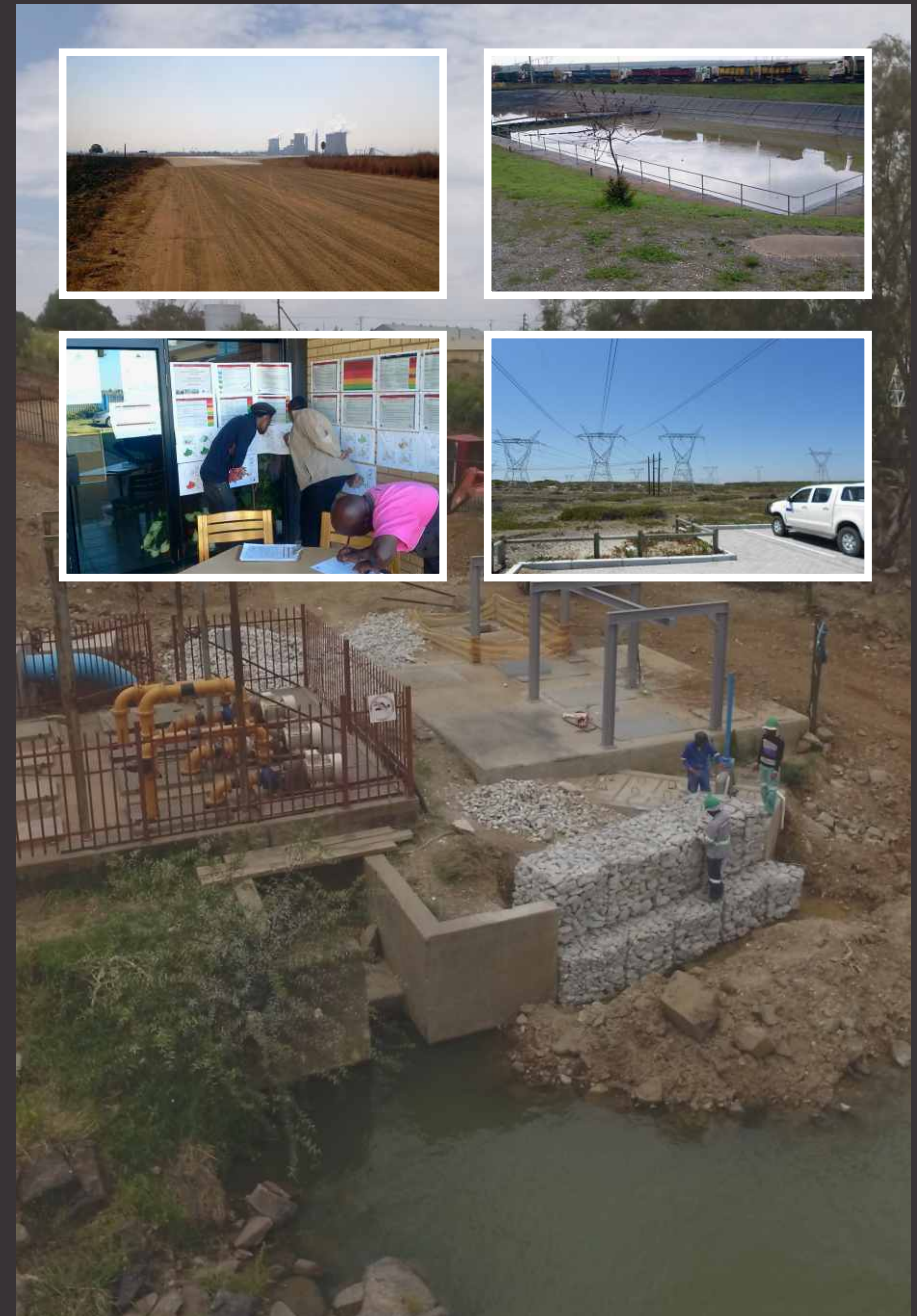
Environmental Management Services

OVERVIEW

Lidwala has an impressive track-record from a wide range of projects. The approach builds on individual experience in conducting Environmental Impact Assessments (EIAs) and preparing Environmental Management Plans (EMPs) that comply with the relevant country's legislative requirements. Each member of the EPS team has a field of speciality that contributes to the team's versatility, cost effective project approach and compilation of proposals. These fields of speciality include vegetation, ecology, wetlands, Environmental Risk Assessment (ERA), Visual Impact Assessment (VIA), Social Impact Assessment (SIA) and Public participation.

EXPERTISE

- Environmental reporting and authorisation
- Environmental management services and systems, monitoring and control
- Strategic environmental planning
- Biophysical analyses, vegetation studies and rehabilitation
- Environmental training and social development
- Spatial development and planning services
- Mining related environmental work such as closure planning
- Mining environmental management programme reports (EMPR's)
- Social and Labour plans (SLP)
- Prospecting and mining applications
- Environmental compliance monitoring
- Permits and licences (WULA, AEL etc).



Company Projects

Environmental Management Services

INSTITUTION NAME	NATURE OF WORK / PROJECT NAME	PROJECT BUDGET	COMPLETION DATE
Mpumalanga Department of Roads 12024	ECO for the Replacement of culvert on Provincial Road P168-1 between Ermelo and Lothair, Mpumalanga Province	R6 million	March 2013
Eskom Holdings (SOC) Limited 12013	EIA, EMP and Waste License Application for the extension of the Ash Dump at Tutuka Power Station	R3.6 million	October 2015
Eskom Holdings (SOC) Limited 12014	EIA, EMP and Waste License Application for the extension of the Ash Dump at Majuba Power Station	R3.6 million	September 2015
Eskom Holdings (SOC) Limited 10029	EIA, EMP & Waste License for the extension of the Ash Dams at Hendrina Power Station	R2.56 million	May 2016
Exxaro Resources Limited 11038	EIA, EMPr (amendment) and IWULA for the new box cut at Inyanda Mine – Pegasus South Project	R2.1 million	August 2014
Eskom Holdings (SOC) Limited 12026	EIA for the Koeberg 400 KV Busbar reconfiguration and Transformer Replacement	R1.47 million	August 2020
Central Energy Fund (SOC) Limited 13011	EIA, EMP and IWULA of the proposed new Solar Park near Upington	R1.2 million	August 2014
Eskom Holdings (SOC) Limited 11040	EIA and EMP for the Tabor – Nchelele 400kV Power line	R1 million	July 2014
MVD Kalahari (On behalf of Kgatelopele Local Municipality) 11033	EIA and Waste Management License Application for the Closure of the existing waste site and the opening of a new waste site in Danielskuil	R0.73 million	March 2017
Department of Higher Education and Training 12018 and 12019	EIA for the development of new Universities in Mpumalanga and Northern Cape Province	R0.57 million	April 2014
Kumba Resources Sishen Iron Ore Company (Pty) Ltd 9039	EIA for the Sishen Infrastructure Programme at Sishen Mine	R0.26 million	December 2010

Company Projects

Environmental Management Services

INSTITUTION NAME	NATURE OF WORK / PROJECT NAME	PROJECT BUDGET	COMPLETION DATE
KPMM Construction 17904	ECO Repair and reseal of the R503 road from Klerksdorp to Hartbeesfontein	R0.16 million	November 2017
Eskom Holdings (SOC) Limited 16906	Komati Power Station Integrated Waste Water Management Plan (IWWMP)	R0.14 million	December 2015
Bigen Africa on behalf of SANRAL 11041	ECO for the Rehabilitation of the N14 between Sannieshof and Delareyville (which includes the Barberspan Bridge crossing)	R0.1 million	February 2017
Eskom Holdings (SOC) Limited 14033, 16922, 17907	Grootvlei Power Station Legal Compliance Audit Water use license Compliance audit	R0.1 million	November 2016
Kumba Resources Sishen Iron Ore Company (Pty) Ltd 10010	Basic Assessment for Sishen groundwater export pipeline	R0.05 million	September 2010

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