MVD Kalahari is a leading multi-disciplinary consulting engineering, town and regional planning company based in South Africa with 52% black ownership and a Level 2 Contribution to B-BBEE.

Mostert, van den Berg & de Leeuw was established in 1959 and underwent several partnership changes through the years thus known as MVD Kalahari in the Northern Cape, Gauteng, Goldfields and the Western Cape.

Today the company is comprised of a team of registered professional engineers who are backed up by experienced technicians, draughtsman and administrative personnel. The latest computer technology enables the company to render a comprehensive service.

Having been in operation for 56 years, the company has grown and matured within the changing South African context delivering high quality projects underpinned by an independently certified ISO 9001 quality management system.

Over the years, MVD has developed an in-depth understanding of the challenges of developing infrastructure in South Africa, more especially in the Northern Cape. This has contributed to placing us in a position of choice for the private and government sector - with proven experience and expertise to call on in response to varied challenging infrastructure demands and needs.

These services include civil and structural engineering, town and regional planning services, designs and supervision all based on our core principles of sound knowledge, skills, professionalism, integrity, independent judgement as well as sympathetic considerations of the environment and the communities which we serve.
MVD has been providing civil and structural engineering services to various public and private clients in South Africa and in recent years we extended our services to include a town and regional planning division. With infrastructure being the backbone of the South African economy we find ourselves in a position to offer turnkey solutions for our clients.

Nonetheless MVD remains a company small enough to care but large enough to provide competitive, high quality, financially optimised and value-added solutions.

Notable projects over the years include the Medium Security Kimberley Prison, provision of internal services for 892 erven in Greenpoint, Kimberley, provision of civil services for 260 erven in Kuruman (in dolomitic land), preparation and approval of Frances Baard District Municipal Spatial Development Framework, and a layout for 7000 housing opportunities to be part of a viability and affordability report for a private client, Rustenburg.

At MVD we have a culture of employing suitably qualified staff irrespective of race, gender, culture or religion and to support these staff with in-house training, bursaries, advice and financial assistance to improve their expertise.

In association with other allied disciplines, clients and statutory bodies we promote the interests of staff, clients and associates with the goal of improving the quality of life of all South Africans by encouraging human resource development, social upliftment and human rights.

MVD Kalahari is committed to providing clients with quality and excellence - the MVD way - whether for smaller developments or large scale projects.

With these sound strategies in place we foresee a bright future for MVD, our clients and associates.

*Andries Goliath*
Andries Goliath is a Qualified Graduate Engineer with 15 years’ experience and has been working for MVD Kalahari since 2005.

**Andries became a partner in 2006 and has been the Chairperson of the Board of directors since 2010. He’s got 31% ownership of the Company and together with Mr Phepheng are the major shareholders of the Company.**

His leadership roles and skills has been acknowledge in both the industry and clientele and he has been appointed as a Trustee in several Community Trusts and structures.

His experience covers a wide spectrum of aspects including the design of civil engineering services for new residential developments, reservoirs, pump stations, sewer treatment plants, and the design of oxidation ponds, bulk water supply systems and water reticulation networks. Andries managed the construction of several civil engineering projects in the Northern Cape, namely: roads and storm water, water and sewerage and bulk sewer and water networks as well as housing projects for Government and major Mining Houses.

He was the Chief Technical Officer (CTO) or Manager Technical Services for the Siyancuma Municipality in the Northern Cape till 2004 for 3.5 years and was a Trainer at the Municipal Training Institute (MTI) jointly operated and funded by the Sol Plaatje Municipality and the COGHSTA Northern Cape for 5 years.

Andries is Chairman, CESA Kimberley Branch.

**Dirk Potgieter** is a Civil Engineering Technician and Partner at MVD Kalahari. His years of experience have allowed him to become pivotal in the design, draughting, cost analysis, documentation, site supervision and project management of our civil engineering projects. He has extensive experience gained working on numerous development projects including water supply, water reticulation networks, storage reservoirs, waste water treatment works, sewerage networks, ablation and toilet facilities, roads and storm water infrastructure, private and public buildings. He has worked for a wide range of clients including provincial, district and local municipalities as well as private developers.

Dirk serves as SAICE Branch Committee Member.
Leon King is a B. Eng (Civil Engineering) (1980) graduate and a registered Professional Engineer (1984). He is a partner at MVD Kalahari and brings more than 30 years of business experience in the engineering design, project management and construction industry. Leon has experience in most aspects of civil engineering, but specialises in structural engineering, for the building industry – concrete, steel and timber structures, retaining walls, etc., for civil structures – reservoirs, bridges, pump stations, intake towers, sewerage works, etc. Leon is a member of the SA Institute of Steel Construction, the Concrete Society of South Africa, and is registered with the SA Council of Engineering. MVD Kalahari is a member of the SA Association of Consulting Engineers.

Prodigy Phepheng is a Qualified Engineering Technologist. He became a partner in 2012 and is the youngest person to become a partner in MVD Kalahari. He has been involved in the provision of civil and structural engineering services. Most of Prodigy’s experience was gained on the construction of the Kimberley Medium Security Prison. His experience includes preliminary and detailed design of road and storm water infrastructure, water and sewerage networks, water supply mains, water storage dams, waste transfer stations, buildings, sports grounds and landfill sites. He is also experienced in the construction supervision of these projects and is an experienced Engineer’s Representative having worked in Postmasburg, Kathu, Daniëlskuil, Kuruman and Kimberley.

Prodigy serves as SAICE Branch Committee Member, Portfolio: Youth and Student Development.
Petrus Oosthuizen is a qualified Graduate Engineer working for MVD Kalahari since 2006. His experience covers a wide spectrum of aspects including the design of civil engineering services for new residential developments, reservoirs, pump stations, sewer treatment plants, and the design of steel structures. Petrus managed the construction of several civil engineering projects in Botswana, namely: roads and storm water, water and sewerage and bulk earthworks. He also represented the Department of Water Affairs on the committee for determining alternatives for the Lesotho-Highland Scheme. The committee consisted of national as well as international consulting engineering firms with the objective of determining more accurate cost models to enable more accurate decision making when options were compared.

Encee Haarhoff joined the MVD team in 2011 and is a qualified Town and Regional Planner. He is registered as a Professional Planner with SACPLAN and an active Corporate Member of SAPI. He has been practicing as a town planner for more than 5 years and has been part of, and/or managed a wide range of projects from everyday rezoning and subdivision applications to large township establishments, residential layouts, feasibility studies, spatial development frameworks and land use management plans. During his short career thus far, he has gained a wealth of experience and recognition as a respected professional in his field of expertise by both the private and governmental sectors.
Cascar Setlhoke is a qualified project manager and holds degrees in project management and public administration and a national diploma in the same field. Cascar has specialized in the mining industry as a consultant and as a director of companies involved in the mining industry for the past 8 years.

Cascar further holds directorships in various companies in the construction and energy sector where his dynamic skills and experience have assisted in ensuring the co-ordination and completion of a number of strategic projects.

Cascar also acts as a consultant to junior iron and manganese mines.
ENVIRONMENT

ENVIRONMENTAL MANAGEMENT SERVICES
- Environmental Impact Assessments
- Legal Audits
- Pollution Studies and Designs
- Environmental Management & Plans
- Life Cycle Analysis
- Water Use License Applications

WASTE MANAGEMENT SERVICES
- Integrated Waste Management Plans
- Landfill Permit Applications
- Design Of Waste Disposal Facilities

CIVIL SERVICES

CIVIL AND DEVELOPMENT SERVICES
- Feasibility Studies
- Residential, Commercial and Industrial Infrastructure
- Bulk Supply and Outfall Infrastructure
- Water Sources
- Housing
- Irrigation Systems
- Sports and other Community Facilities
- Programme and Project Management.

WATER TREATMENT

WASTE WATER – SERVICES
- Process Design And Analysis: Water & Wastewater Treatment
- Design of new Water & Wastewater Plants
- Upgrading & Alteration
- Raw Water Abstraction
- Sludge Handling and Disposal
- Pump Stations
MVD Kalahari has completed the full planning, design and construction of **sewerage oxidation ponds and auxiliary works** at Thembelihle Municipality, Strydenburg.

MVD Kalahari was also involved in **the civil planning, design, water, sewerage, bulk water line and storm water pipes** at the new Hillcrest area along Queensway Road.

Complete **civil service of the North Cape Mall**, includes planning, designing, consulting with developer and construction contractor, earth works, storm pipes, sewerage, water, paving and roads are just a few tasks completed by MVD Kalahari Civil Engineers.
PROFESSIONAL SERVICES

ELECTRICAL AND MECHANICAL SERVICES

• Transmission Services
• Design
• Project Management
• Site Services
• Electrical Electrification
• Electrical Sub-transmission: Design & Project Management
• Internal Wiring & Point Of Supply (Pos)
• Electrical Reticulation & Distribution: Refurbishment Plans
• Electrical Master Planning, Load Forecasting & Power System Analysis
• Industrial & Process

• Electrical Services:
  • Substation Design
  • Power Line Design (up to 132kV)
  • MV Reticulation & Electrification
  • Power System Analysis & Master Planning
  • Power System Audits
  • Protection Coordination Studies
  • Renewable Energy Studies
  • Building Services (Electrical & Electronic)

• Mechanical Services:
  • Pump Installations
  • Plumbing Installations
  • Overhead Cranes

Greenpoint Pump Station
Concrete Casting: Pump Station
Kuruman Housing Project
MVD Kalahari was appointed as Structural Engineers for the construction of a Medium Security Prison for 3000 inmates in Kimberley in 2004.

Construction of this R830m project started in November 2006 and was completed in April 2009. The prison will be one of the first new generation prisons in South Africa. The prototype design was done by architects and consulting engineers based in Gauteng.

MVD Kalahari was responsible for the design and supervision of the earthwork platforms as well as the supervision of all the reinforced concrete structures of all the buildings. All necessary changes, improvements and additions were designed and drawn by the Structural Department of MVD Kalahari.
MVD Kalahari was appointed by the Department of Public Works as Structural Engineers on a project to repair and renovate the Kimberley High Court. This R14m project, which has been running since October 2007, was completed by the end of April 2009. The structural input included the design of new steel roof structures to facilitate the new brown built roof sheeting overhanging the building instead of the previous parapet wall and box gutter system. The fast and easy “rib and block” structure, also designed and supervised by our Structural Engineer, is being used in many large and small private homes.

As the Structural Engineers for the construction of a new Branch Court Building in Galeshewe, Kimberley. The project, comprised of an R43m complex started in September 2007 was completed in August 2009. The earthworks layered platform’s design and the reinforced concrete design of the complex were both awarded to MVD Kalahari. The two story building is comprised of five separate structures linked by bridges at both ground and first floor level. The ground floors are reinforced concrete structures with 1.3 m ground beams forming a float type foundation to cater for movement due to the clay swelling and heaving. The first floors are of structural steel with brickwork infill and a steel roof structure.
• Housing and Building Projects
• Infrastructure Development
• Large Multi-Disciplinary Projects

SPORTS FACILITIES

Athletics Track at Tikwana  Pavillion, Hopetown  Netball Courts, RD Williams School, Prieska
PROFESSIONAL SERVICES

TRANSPORT

- Roads, Freeways, Main Roads, Streets
- Gravel Roads
- Pavements & Materials
- Rehabilitation
- Maintenance Management
- Geometric Designs

- Storm Water
- Material Testing
- Bridges
- Railway Lines
- Labour-intensive Road Projects

Housing Projects

- Stasie Street, Postmasburg
- Greenpoint: Roads
- Gabion Rock in Cages
  Kuruman Housing Development
- Railway: 93 Ammo Depo,
  Jan Kempdorp
- Kathu Housing Project
- Kuruman Housing Project
OUR APPROACH TO DEVELOPMENT:

• The facilitation of a vibrant development procedure to transform the peoples’ everyday lives.

• Introduction of innovative and holistic planning principles during the planning process.

• A belief in a holistic participative and integrated planning approach to a project.

• The implementation of an underlying philosophy of capacity building, empowerment and participation.

• A belief in meaningful transformation by not only the sale of shares but also capacitating staff at all levels.

• A belief that the customer is the prime asset of a company.

Over the years, MVD Kalahari Town and Regional Planners have provided their professional planning and design services to an expansive range of clients and developers.
PROFESSIONAL SERVICES

STRATEGIC SPATIAL PLANNING
SUB-REGIONAL SPATIAL PLANS

Sub-Regional Plans are more specific in their approach than regional plans.

It places emphasis on the social economic and physical needs of the residents in a specific region.
The generic guidelines and policies provided on National- and Provincial Level should be modified and adapted to accommodate local needs and circumstances.

URBAN SPATIAL PLANS

Such plans refer to the physical planning of a single urban area. The arrangement of land uses is the main element in order to accommodate the local community’s social needs and arrangements. Development priorities and the intensity of land uses are important on this level. Thus the purpose of such plan is to facilitate development in a strategic fashion.

Documents in this discipline include:

• Integrated Development Plans for various Municipalities were prepared in terms of Municipal Systems Act; (Phokwane, Thembelihle, Kgalepele, Tsantsabane, Dealesville, Springfontein, etc.) (2004 – 2006);

• Spatial Development Frameworks, Kgalepele Spatial Development Framework (2009)

DETAILED PRECINCT PLANS

Precinct Plans is in the form of a policy statement and is prepared and confined to proposals aimed at solving specific issues and development problems of a specific area.

The proposals are more specific and the purpose there of to be more development orientated.
The purpose of such a plan is to indicate in detail the land uses to be implemented by the public or private developer. Sufficient detail is shown to indicate the impact thereof on adjoining, existing or proposed development. The layouts refer to various categories as indicated below.

± 80 000 Erven in approximately 25 Local Authorities have been designed and approved by this company in the Karoo and Northern Cape. Valuable experience in community preferences, affordability levels and the impact of the format of the layout on engineering services were obtained.

We specialize in the following layout categories:

**UPGRADING OF INFORMAL SETTLEMENTS**

The upgrading of ± 30 informal settlements were conducted over the years.

**INTEGRATED HOUSING DEVELOPMENTS**

The planning for different housing typologies (densities) as well as a holistic approach to the provision of commercial, social and recreational facilities.

This company was involved in the preparation of layout plans for approximately 12 larger integrated housing projects.

**HOLIDAY RESORT DEVELOPMENTS**

These development proposals focus on recreational facilities along the Orange and Vaal Rivers in the Northern Cape.

**PLANNING OF ECO-ESTATES**

Various Eco-Estates and planning proposals for the development of game lodges on behalf of private developers.
Snake Park informal settlement, Sol Plaatje Municipality, Kimberley – 1 700 units, 2014.


Lerato Park integrated housing development, Sol Plaatje Municipality, Kimberley - 2010; prepared for Messrs Bigen Africa Services (PTY) LTD
5200 housing opportunities (2009)

Integrated housing layout for Messrs Platinum Group Metals, Rustenburg - 5700 Units (2013)

Broadwaters holiday resort, for a private developer within the Siyancuma Municipal area, Douglas - 100 units, 2011.

Deo Gloria Eco-Estate, within the //Kara Hais jurisdiction area, Upington - 136 units, 2011.
The nature of this work is to indicate specific land use zones and regulations applicable thereto. The function of such regulations is to guide over density and coverage, height, floor area ratio, building lines, parking etc. Legal provisions guide the land use management procedure and include continuous amendment of planning schemes taking place according to more modern processes and guidelines. Land use Management Schemes for 8 Local Authorities have been prepared in terms of the latest relevant legislation.

Kgatelopele Land Use Management scheme.  
Client: Kgatelopele Local Authority, 2009.

Land Use Management scheme for Umsobomvu Local Authority,  

Lime Acres township establishment and development regulations.  
APPLICATIONS FOR REZONING, SUBDIVISION, DEPARTURES, REMOVAL OF RESTRICTIONS AND CONSENT USE

Preparation and submission of smaller applications for approval in order to amend land uses and to allow for the subdivision of land in terms of specific legislation.

The statutory control of town and regional planning documents is part of this process and includes the administration thereof. The appearance before a council/court or tribunal of appeal is part thereof.

SPECIALISTS IN APPLICATIONS FOR RENEWABLE ENERGY RESOURCES

Applications in this regard have been prepared and submitted to the Siyancuma, Kgetelopele, Renosterberg and Umsobomvu Local Authorities for approval.

The purpose of the applications are to obtain the necessary land use rights for the development of various solar and wind farm resources.
PROFESSIONAL SERVICES

INSTITUTIONAL SUPPORT TO LOCAL AUTHORITIES

• Support to smaller Local Authorities on a continuous base with reference to town planning matters and management thereof within their institution;

• Various municipalities such as Kgalagadi, Siyancuma, Thembehle, Siyathemba, etc. are included;

• Valuable experience and knowledge were obtained on the operation and the challenges experienced by Local Authorities.

SOCIO-ECONOMIC RESEARCH AND MONITORING

The MVD Kalahari Town Planning section provides a professional service in this regard including using socio-economic and business surveys to determine human needs and affordability levels and the housing backlog.

PROJECT IMPLEMENTER AND FACILITATOR

The role of the implementer during the planning process is to co-ordinate the development. Leadership is provided to a multi-disciplinary team to co-ordinate their activities and programme to produce a fine end result.

LAND REFORM AND RESETTLEMENT

This action refers to activities around land reform procedures with reference to land claims, land restitutions, resettlement and ancillary actions including advice to communities regarding processes and procedures and the resettlement.
Environmental Management refers to the involvement in the process of integrated environmental management considerations during the planning of a project. The purpose thereof is to achieve maximum benefit to the client with minimal harm to the environment.

- The development of the North Gate residential area ± 5000 erven surrounding the Kamfersdam Flamingo Reserve should be mentioned, client Group1 Group of Companies (PTY) LTD.

The Camel Thorn tree is a protected species and well established all over the Northern Cape. The protection thereof is a common fact and thus it is necessary to work in close consultation with environmentalists during township establishments to protect Camel Thorn trees and other heritage facilities. During town planning exercises of the following the protection of these species were implemented.

- Layout Ganspan (350 erven), Jan Kempdorp, Phokwane Municipal area; (2010)
- Guldenskat Layout (500 erven), Jan Kempdorp, Phokwane; (2011)
- Development of various game farms and lodges in the Northern Cape.
This type of work comprises the evaluation of development proposals from an economic, social and spatial perspective. Evaluation is aimed at the way in which money is spent on development in order to achieve maximum financial benefit.

Layout for 7000 housing opportunities to be part of a viability and affordability report for a private client, Rustenburg (2012/2013);

Viability study for a private client in Sol Plaatje Municipal area, 97 erven, 2014
MVD Kalahari DevCo is our new contracting division which includes the following services:

- Multi Disciplinary Engineering Services
- Engineering, Procurement, Construction Management (EPCM)
- Town and Regional Planning
- Contracting
- Launching and Executing of Turnkey Projects
COMMUNITY INVOLVEMENT

AQUALIBRIUM, THE SAICE-AECOM SCHOOLS: WATER COMPETITION 2015

During the Southern African Development Community (SADC) Water Week, this exciting competition also went international with both Swaziland and Zimbabwe participating! The finals of AQUALIBRIUM, the exciting SAICE-AECOM Schools Water Competition 2015, was held at the Scl-Bono Discovery Centre in Newtown, Johannesburg, on Friday 31 July 2015.

This competition affords learners the opportunity of designing, constructing and operating a water distribution network exactly the way civil engineering practitioners in local authorities and metros would do. They encounter all the same challenges/problems that occur in real-life situations!

Regional winners came from all over South. Many of the teams were flown to Johannesburg and accommodated in a good hotel — an experience that these young people and some of the educators will never forget! For most, this was a first experience of the ‘big city’.

Congratulations to Hoërskool Diamantveld from Kimberley that came first conceding only 45 penalty points. The team consisted of Frans Jacobs, Lourens van Niekerk and Lohann Burger. In the second place was Merrifield College, represented by Kiam Venter, James Gibson and Dominique Plaatjes, from East London, with 70 penalty points. The third place was taken by Mzilikazi High School from Bulawayo in Zimbabwe with 105 penalty points. MVD was proud to be part of this initiative.
COMMUNITY INVOLVEMENT

SAICE-AECOM INTERNATIONAL: BRIDGE BUILDING COMPETITION

AECOM was, for the eighth consecutive year, the naming-rights sponsor of the finals of the International Bridge Building Competition 2015!

The finals was held on Friday 28 August 2015 at the Sandton Convention Centre, Johannesburg. 17 Teams participated, with international teams represented by Zimbabwe, Swaziland and Namibia.

Kimberley Technical High School from Kimberley (Liam Abrahams, Rowayne Oliphant and Tlotlot Mogoje) came in 10th with their bridge carrying 25kg. The winning bridge from Brackenfell High School carried 155kg.

MANDELA DAY 2015
COMMUNITY INVOLVEMENT

SOCCER KITS SPONSORSHIP
SCHMIDTSDRIFT YOUNG STARS

THANK YOU FOR THE GREAT KIT.

Sponsorship God Bless You Good People.

Have a Saftery Festive Season and Happy New Year.

L.E. Morane

FROM SCHMIDTSDRIFT YOUNG STARS TO RACHNAKI

[Image of a soccer team]
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<th>Location</th>
<th>Address</th>
<th>Contact Information</th>
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