M&AES | Consulting Engineers & Project Managers

Mayisane & Associates Engineering Solutions (Pty) Ltd









Physical Address: / 1st Floor, Acacia House, The Avenues Office Park, 45 Homestead Road, Rivonia

Tel: +27 (0) 11 680 0980

Email: enquiries@maes.co.za **Web:** www.maes.co.za

// Delivering Sustainable Engineering Solutions Through Innovation and Excellence

// COMPANY BACKGROUND

OUR PRACTICE WAS ESTABLISHED TO PROVIDE A HIGH LEVEL OF SERVICE TO THE PUBLIC AND PRIVATE SECTOR THROUGH SUSTAINABLE AND INNOVATIVE ENGINEERING SOLUTIONS.

OUR COMPANY

Mayisane & Associates Engineering Solutions (Pty) Ltd (referred to hereafter as M&AES) is a proudly South African engineering consulting firm, founded with the primary goal of providing our clients with the highest degree of quality and the greatest level of service on every project. We provide professional services in the field of Engineering Consulting, particularly in the fields of Civil, Structural and Electrical Engineering.

We also provide Project Management, Construction Processes Management and the promotion of Labour-Intensive Construction Technologies. M&AES has established standing arrangements with specialised consulting firms within the SADC region, which enables the firm to call on fellow regional consultants in their fields of expertise to assist when undertaking projects that require specialised skills, as and when required.

EXPERIENCE & LEADERSHIP

The firm has over 10 years of experience delivering infrastructure projects as a company, and is led by a Director with more than 30 years of individual engineering experience, registered as a Professional Engineer (Pr. Eng.) with the Engineering Council of South Africa. Under this leadership, M&AES has grown into a respected multi-disciplinary consultancy serving both public and private sector clients across South Africa and, cross-border, in the Kingdom of eSwatini.

REGISTRATIONS

M&AES is a registered company in accordance with the requirements of the Companies Act, 2008, and operates an ISO 9001:2015 accredited Quality Management System, certified via DEKRA Certification.

PROFESSIONAL AFFILIATIONS

M&AES holds company-level registration and its key personnel are registered with the following professional organisations:

- Consulting Engineers South Africa (CESA)
- Engineering Council of South Africa (ECSA)
- South African Institution of Civil Engineering (SAICE)
- SA Council for Project & Construction Management Professions (SACPCMP)
- Project Management Institute (PMI)

// VISION & MISSION

DELIVERING SUSTAINABLE ENGINEERING SOLUTIONS THAT TRANSFORM COMMUNITIES AND GROW THE ECONOMY.

OUR VISION

Mayisane & Associates aims to be the leader in providing sustainable engineering solutions to our public and private sector clients. Our solutions always seek to provide the best engineering outcome while taking cognisance of our clients' economic objectives and the environment, through continued innovation and excellence.

OUR MISSION

Our mission is to create, grow and consolidate a leading and innovative skills-based consultancy. M&AES is structured to create a platform for the empowerment of persons of previously disadvantaged origins and for skills transference, in response to the need for accelerated infrastructural development and economic growth in South Africa.

// CORE VALUES

CLIENT-CENTRIC APPROACH

Focusing on and prioritising the needs of our clients by deploying appropriate technical skills with innovative solutions.

DIVERSITY & INCLUSION

Attracting skilled and dynamic people of all cultures, genders and races to build a representative and capable team.

SKILLS DEVELOPMENT

Focusing on staff retention and skills transference by valuing our people's contribution to the company and the industry.

INNOVATION & EXCELLENCE

Promoting diversity of thought and cultivating creative problem-solving across all engineering disciplines.

// PRODUCTS & SERVICES

MULTI-DISCIPLINARY CIVIL, STRUCTURAL AND ELECTRICAL ENGINEERING, SUPPORTED BY INTEGRATED PROJECT MANAGEMENT.

CIVIL ENGINEERING

Our primary discipline, spanning transportation, water, sanitation, stormwater, developments and specialist civil services from feasibility through to construction supervision.

- Transport studies
- Road engineering and other paved areas
- Sewage management systems
- Potable water reticulation, supply pipelines & storage
- Private developments (townships, housing estates, retail centres)
- Solid waste management
- Stormwater management & master planning
- Surface water management & master planning
- Economic evaluation of drainage systems & legal aspects
- Provision of services on dolomitic areas

STRUCTURAL ENGINEERING

Structural analysis and design for buildings and infrastructure, meeting all SANS and international standards.

- Analysis and design of reinforced concrete structures
- Analysis and design of structural steelwork

ELECTRICAL ENGINEERING

Electrical infrastructure for urban and rural developments — an active and growing part of our practice, including substations and energy projects.

- Urban & rural reticulation and electrification
- Overhead sub-transmission lines
- Sub-stations
- External illumination
- Network protection and control
- Economic analysis

MANAGEMENT

Integrated project and construction management that keeps projects on programme, within budget and to specification.

- Integrated project management (IPM)
- Construction processes management (CPM)
- Labour-intensive construction technologies

// FULL PROJECT LIFECYCLE

END-TO-END DELIVERY FROM FEASIBILITY TO CLOSE-OUT, MANAGED UNDER ONE ROOF.

M&AES manages the complete project lifecycle, providing a seamless service across every stage of infrastructure delivery:

FEASIBILITY STUDIES

Technical and financial viability assessments for proposed projects.

PROJECT PLANNING & MANAGEMENT

End-to-end planning, scheduling and resource coordination.

FIELD WORK & MEASUREMENT

Site surveys, topographical assessments and field data collection.

COST ESTIMATES

Detailed CAPEX and OPEX estimates for informed decision-making.

ENGINEERING DESIGN

Concept, preliminary and detailed design across all disciplines.

PROCUREMENT

Contractor screening, tender documentation and procurement processes.

CONSTRUCTION SUPERVISION

On-site quality assurance, QA/QC and progress monitoring.

PROJECT CLOSE-OUT

Final inspections, as-built documentation and project handover.

// AFFILIATIONS & ACCREDITATIONS

REGISTERED, ACCREDITED AND COMMITTED TO THE HIGHEST PROFESSIONAL STANDARDS.

ISO 9001:2015 — QUALITY MANAGEMENT SYSTEM

M&AES operates an accredited Quality Management System in accordance with ISO 9001:2015, issued via DEKRA Certification, ensuring the consistent delivery of high-quality engineering services.

PROFESSIONAL BODIES

Consulting Engineers South Africa (CESA) — M&AES is a registered member firm of CESA, the voice of the consulting engineering industry in South Africa.

Engineering Council of South Africa (ECSA) — the statutory body responsible for regulating the engineering profession in South Africa.

South African Institution of Civil Engineering (SAICE) — the premier learned society for civil engineering professionals, promoting excellence in practice and education.

SA Council for Project & Construction Management Professions (SACPCMP) — the statutory body regulating project and construction management professionals in the built environment.

Project Management Institute (PMI) — the leading global professional association for project management, setting internationally recognised standards.

OUR COMMITMENTS

- **Quality Assurance** — rigorous quality control across all project phases under our ISO 9001:2015 system.
- **Professional Ethics** — adherence to the codes of conduct of ECSA, SAICE, SACPCMP, CESA and PMI.
- **Continuous Development** — ongoing investment in professional development and current engineering standards.
- **Cross-Border Capability** — delivery beyond South Africa, including completed energy infrastructure work in the Kingdom of eSwatini.

// OUR DIRECTOR

EXPERIENCED LEADERSHIP COMMITTED TO ENGINEERING EXCELLENCE.



Mr Dumisani Khoza
DIRECTOR & FOUNDER
Pr. Eng.; MBA (Gibs); Pg. Dip. BA (Gibs); B.Sc. Eng (Civil); Dip. Eng. (Civil)

Mayisane & Associates was founded by its current Director, Mr Dumisani Khoza, a registered Professional Engineer with over 30 years of individual experience in the design and management of rural and urban infrastructure projects in South Africa, with delivered work extending across the border into the Kingdom of eSwatini.

Mr Khoza holds an MBA and a Postgraduate Diploma in Business Administration from the Gordon Institute of Business Science (Gibs), a B.Sc. in Engineering (Civil) and a Diploma in Engineering (Civil). His extensive experience spans civil, structural and project management disciplines, with particular expertise in transportation infrastructure, water and sanitation systems, stormwater management and community-based development projects.

Under his leadership, M&AES has grown into a respected multi-disciplinary engineering consultancy serving both public and private sector clients, with a strong commitment to skills development, transformation and sustainable engineering solutions.

AREAS OF SPECIALISATION

- Design & management of rural infrastructure projects
- Urban infrastructure planning and development
- Transportation and road engineering
- Water and sanitation infrastructure
- Structural engineering and assessment
- Project management and construction supervision
- Labour-intensive construction methodologies
- Cross-border project delivery, incl. the Kingdom of eSwatini

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// GET IN TOUCH

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