



JUKA AFRICA

Juka Africa Group



COMPANY **PROFILE**

CONTACT DETAILS

Address: Plot No 93, 14th Avenue
Edenvale, Ekurhuleni, Gauteng 2000
Mobile Number: +27 76 147 2763
Email: info@jukafrika.co.za



Innovatively applying knowledge and expertise to produce tangible outcomes

At Juka Africa, we provide you with easy access to the best in civil engineering services and support. Our team of experts prioritise turnaround time for timely completion of projects and are well supported by result oriented staff. Our experts genuinely care about you and your company's developments. We operate in South Africa, Zambia, Botswana and Democratic Republic of Congo. Juka staff utilises ethical conduct processes in a collaborative environment. They are all highly qualified professionals and are constantly engaging in further education and development. Our role is to add value to our clients' businesses and project outcomes, assisting them to transform vision into reality.

We are a proudly African company and came into existence through the commitment of Jean-Paul K. Mulunda who shares a common vision around providing better engineering solutions to the community. The founder, Mulunda is passionate about differentiating engineering services through innovative solutions to improve the quality of engineering services within the community and to address the ever-increasing challenges around infrastructure development. Juka Afrika emerged as an innovative organisation that is driven by the vision of offering superior, timely patient experience.

Slogan - **QUALITY THROUGH DIVERSITY**

DELIVERING ON OUR PURPOSE



We are aware of the fast paced yet lasting and far-reaching impacts of our work. Hence why we are geared to highlight and address the ripple effects, eliminating the negative ones and focusing on the positives. The betterment of society by considering social outcomes in all we do, relentlessly focusing on excellence and digital innovation, transforming our clients' businesses, our communities and employee opportunities.

Our goal remains to make every decision and every action that we can be proud of. Values and behaviour are the cornerstone of Juka Afrika and it is the culture that we aspire to maintain. Our clients are our focus, they are our strength and we care for the community. We ensure ESG, safety and health in everything we do hence why we always act ethically and professionally.

Furthermore, we're a regional engineering, management and development consultancy. Everywhere around Africa, people's needs and

aspirations are changing, fast. That brings increasing challenge for our clients, as you seek to satisfy your stakeholders, tackle societal issues and deliver your business strategy.

Our network of experts looks at problems from fresh angles and find opportunities in complexity. They bring together diverse skills, experience and insight, to turn obstacles into sustainable solutions.

Our aim: To add value at every stage, for you and the lives you touch every day.



COMPANY OVERVIEW

Juka Afrika is a one-stop boutique service provider that aims at providing quality services and support to its clientele. The Company is now ready to stand tall and spread its wings. Juka is run by a talented professional civil engineer who has been in the engineering field for quite a while in various southern African countries and has been overseeing big projects.

Mulunda and his team can be relied upon to produce efficient solutions for unique demands from clients. As research is important for fostering creativity, Juka Afrika has also set up a research project to better understand the latest trends and how to do business efficiently in the new normal. By doing this the Company hopes to promote innovative ideas, provide wider access to information, and to expand his network of skills.

At Juka Afrika, we deliver comprehensive solutions that span the full life cycle of a building, from concept through to design, construction, commissioning and whole of life asset management. This is supported by our specialist services in advanced design management, structural analysis, blast analysis and simulation, materials engineering, human comfort analysis, seismic engineering and strengthening, long span and operable roofs, construction techniques, 3D modelling, in-house project management, sustainability and value engineering.

By integrating our multidisciplinary teams, we can deliver state-of-the-art building services solutions which cover electrical, mechanical, fire and wet services, vertical transportation, electronic, information and communications technology (ICT), building information modelling (BIM) and environmental modelling.

This expertise is further strengthened by our expertise in environmentally sustainable design (ESD), facade performance analysis, environmental modelling and simulation, and fire safety engineering.

Our investment in digital capability and digital tools ensure that our teams' work is enhanced by asset digitisation, creative technology and visualisation—all working seamlessly and collaboratively in modern digital content engines.

We provide integrated, effective and affordable designs by embracing sustainability; optimising structural form, material and resource consumption, efficiency of construction; and achieving environmental and economic outcomes by considering the life cycle costs.

We believe the best environmentally sustainable design ideas evolve from our collaboration with the best designers at the inception of a project. We work with our clients' architectural teams to create building forms that respond to the environment and climate. This involves considering wind, sun, water and other environmental factors, along with the seasons and overall climate to provide energy-efficient solutions. Additionally, our attention to the amenity of building users results in great architectural design, daylight, thermal comfort and indoor air quality.

We also collaborate with architects and structural teams to ensure the spatial efficiency of buildings. This takes design experience and flair but can result in 'building less building'. The benefits to our clients are clear, with savings on space, materials, embodied energy, and costs.



When it comes to optimising building performance, Juka Afrika is a recognised leader in using powerful environmental-modelling software to design intelligent systems that benefit our clients' projects.

The company is based in Johannesburg, South Africa but looking to open branches across the SADC region once the expansion plan takes off. Juka Afrika's expertise will cover the following;

- Bridge Diving Inspection
- Highway Design
- Bridge Design
- ITS Design
- Traffic Signal Design
- Traffic Engineering & Planning
- Highway Safety Investigation
- Subsurface Utility Engineering
- Permitting Support Services
- Building & Rest Area Design
- Landscape Architecture
- Construction Inspection
- Value Engineering
- Survey & Mapping
- Stormwater Management & Water Quality
- Culvert Inspection
- Overhead Sign Structure Inspection
- Retaining Wall Inspection
- Corridor Studies
- Other Planning Studies
- Landslide Investigation
- Scour Monitoring
- Bridge Inspection
- Noise Analysis Study
- Asbestos Assessment & Remediation
- Ecological Services
- Hazardous Material Assessment & Remediation

Juka uses BIM to intersect trustworthy data with real-world needs and deliver valuable project outcomes for our clients and future communities.

Across all stages of the project lifecycle, there is demand for increased efficiency, higher performance and greater returns on investment. Because Juka understands these challenges, we consistently strive to further develop our expertise and apply Building Information Modelling (BIM) across project disciplines.

There is more to BIM than 3D representations than meets the eye. BIM requires meaningful, accurate and insightful data interpretation that adds value to all stakeholders across the entire project lifecycle. At Juka, we have spent years developing and testing a unique methodology that achieves these results. This intelligence is a powerful asset that drives efficiencies and responsiveness.

Juka offers global infrastructure experience, encompassing the entire life cycle of an asset from studies through to design, delivery and asset management.



LAND INFRASTRUCTURE

Juka provides engineering, management and specialist technical services for public and private sector clients. We have a proven history of delivering on key land infrastructure projects for rural, residential and industrial land development. We are well regarded for our ability to identify non-traditional approaches to enhancing the capacity of existing infrastructure to respond to increasing demand.

Moreover, it subscribes to a client-centric business model, which gives us the ability to work with clients and other stakeholders (including government agencies) during all phases of assessment, risk analysis, strategic planning, design and construction management to deliver the full range of tailor-made services.

The Company's industrial and logistics team has earned a reputation for innovation and engineering excellence across process engineering, production improvement, industrial facilities development and project management.

LIGHT INDUSTRIAL AND LOGISTICS

We have a strong track record in the design and delivery of projects in chemical and minerals, energy systems, food and dairy processing, forestry products, industrial wastewater treatment, petrochemicals including fuel distribution, pharmaceuticals and wineries. We offer a fully integrated, end-to-end consulting service within the supply chain logistics market. We emphasise understanding the total supply chain, as well as the impacts of external parties and processes on the project.

This unique capability ensures the delivery of added value to our clients and their customers and suppliers. Juka provides a consulting service that spans the entire project from concept/business case to completion.

The starting point for any built-environment project is to understand what project outcomes on mixed-use developments, leisure resorts, data centre success means for the individual client. Juka's role is to add value to our clients' businesses and project outcomes, assisting them to transform their vision into a reality.

MIXED-USE DEVELOPMENTS

We provide multidisciplinary services across the entire project lifecycle, from master planning and the conducting of feasibility studies to engineering design documentation, construction supervision, and operations and maintenance, within the commercial, data and communication, educational, industrial, medical, sports and leisure and residential industries.

With an increasing focus on sustainable investment worldwide, we are seeing a greater reliance on new and innovative ideas about the development, retrofitting and ongoing management of commercial buildings.

OFFICES

Juka works towards being recognised for creating high performance, cost-effective, energy-efficient and sustainable commercial buildings. Our technical expertise covers all facets of the building's lifecycle, from planning and design to construction management and supervision. In addition to traditional structural and building services, we offer many specialised skills including fire and facade engineering and strategic security services. Our added value expertise also encompasses the use of advanced modelling technology to resolve complex planning and design issues, providing clients with significant cost savings over the economic life of the project.

As land becomes scarcer, we need to continue to innovate to create high-quality designs that are high performing, aesthetically pleasing, yet cost-effective and functional residential buildings.

RESIDENTIAL

In this highly competitive market, our clients are looking for a real point of difference that differentiates their projects from their competitor's projects. Juka understands how to find the balance between form, function and financial viability in residential building projects. In addition to traditional residential housing developments, the group has extensive experience in mixed-use developments as well as incorporating leisure, retail and commercial developments, which are increasingly part of today's residential landscape.

We also have an extensive global track record partnering with both the public and private sectors in the development of affordable housing.

Our design team creates spaces that attract premium rental clients while minimising the cost of areas that do not produce income.

RETAIL

We understand that the retail sector is dynamic and evolving and that shopping centres are no longer just about retail. With the advancement of online shopping, traditional shopping centres are required to offer more, services and entertainment that cannot be facilitated over the web, for example, as well as food, fitness and entertainment opportunities.

Juka offers a range of advisory and engineering design services to assist a retail operator with planning, designing, operating and maintaining their shopping centre development.

Juka understands the different business drivers of our clients in the leisure industry, whether they be operators, owners or developers. We realise the brand requirements of the major hotel chains and we seek to provide appropriate design solutions to meet their needs.

LEISURE

We provide a complete range of engineering design solutions, encompassing the full project life cycle, ranging from planning and land development through to civil and transportation engineering, structural engineering, building services and facades design, to specialist services such as performance-based fire engineering, vertical transportation modelling and design. Audio visual and security services to sustainable development consulting services also forms an integral part of the process. has engineered and supervised the construction of some of the world's top leisure facilities. From luxury hotels, casinos and resorts to mixed-use developments and lifestyle estates, Juka has made notable contributions, supporting inspirational architectural design with engineering ingenuity.

Juka has engineered and supervised the construction of some of the world's top sporting stadia and entertainment facilities, delivering inspirational designs that showcases engineering ingenuity.

SPORT FACILITIES

We aspire to work with our design and delivery partners to achieve the best overall outcome for our clients in terms of quality, cost, aesthetics and social, environmental and economic sustainability. We consider design a holistic collaborative process which needs to account for all inter-disciplinary technical, economical, operational and social aspects.



BACKGROUND

Founded in 2021 by the Managing Director, Mulunda, who has BTech in Civil Technology (Water) and is a registered professional with Engineering Council of South Africa (ECSA), Candidate Number 2017 80662. With over 13 years' experience in the engineering field, he brings extensive expertise and passion to the play field. Having excelled in promoting "professional engineering" in the private sector in various countries like South Africa, Zambia, Democratic Republic of Congo and currently in Botswana, he can turn the engineering concepts into actual items. As a technologist, Mulunda always executes his practical responsibilities effectively.

After years of hard work and determination, Mulunda has finally earned his work experience therefore is ready to enter the private sector field. As a seasoned engineering professional this is a great opportunity to further his career. Juka will further develop an engineering application that will assist clients with appointment scheduling, reminders, engineering tips and online updates about project progress.

In addition, the Company will offer employment to everyone especially qualified women and the youth. Corporate social responsibility (CSR) projects will continue to be undertaken. The application of ESG will be a priority too.

Further to that, Juka will continue supporting the governments, private sector and every institution to ensure that engineering projects are completed on time and address to climate change issues.



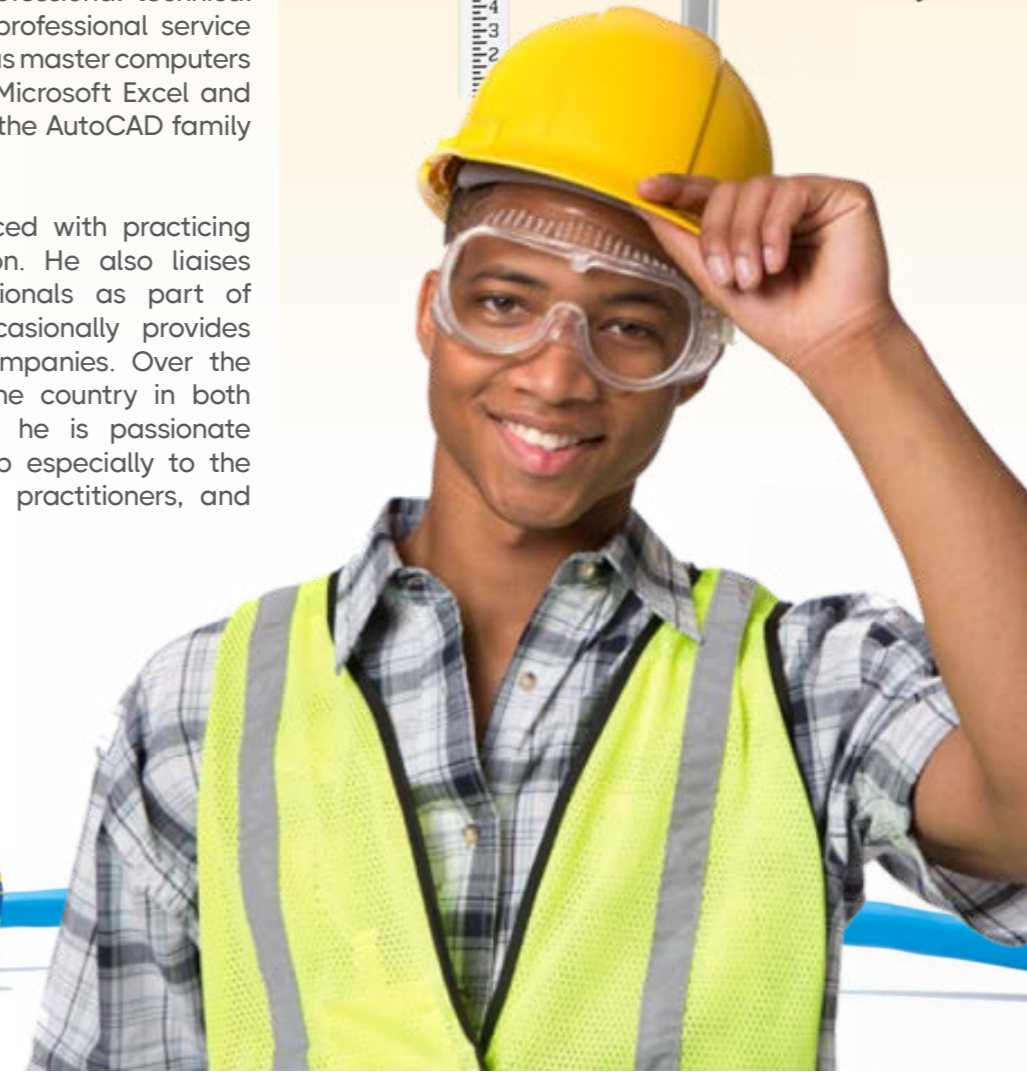
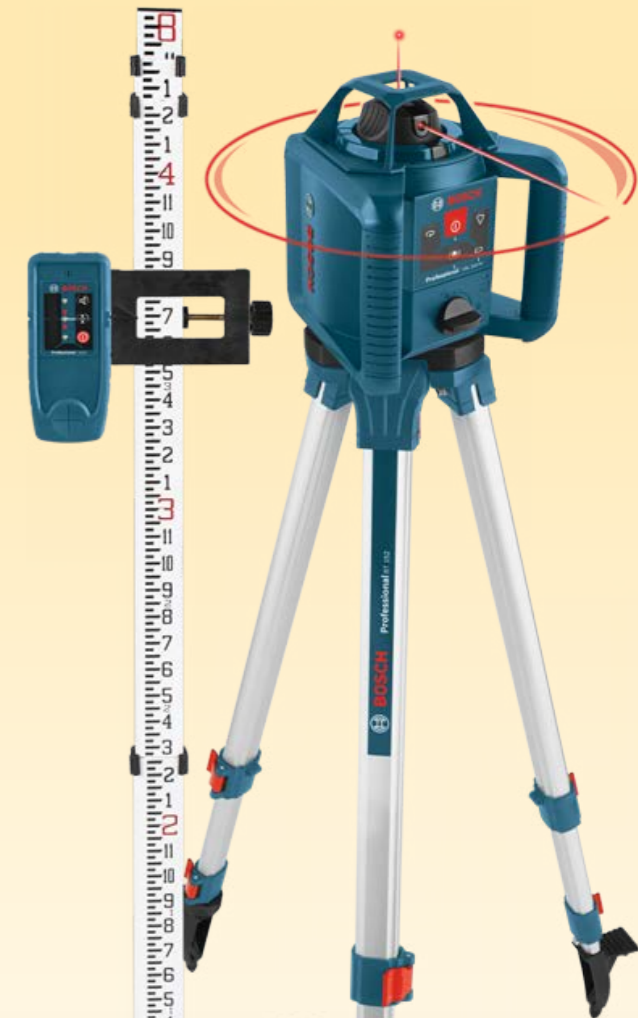
MEET OUR EXPERIENCED TEAM

Mulunda is skilled with the ability to work long hours, often under pressure. He has excellent communication and presentation skills. As he is assertive, he is also able to spot and solve problems, requiring effective decision-making skills. He has the drive to continue learning throughout his career. In addition, he has good business management skills and works efficiently. His effective organisational ability and diligence make him a good leader.

Mulunda has extensive professional experience in Civil Engineering design, including investigation, design and construction of bulk water supply systems, water augmentation schemes, distribution systems, pump stations and underground engineering facilities. He is good at supervision of design and construction of water supply systems. Moreover, Mulunda has a neck for design and optimisation of new and existing water mains and relevant appurtenant structures within various scheme programs.

He has experience in water hammer analyses using PIPE 2000 computer package, compilation of tender documents and evaluation of tenders. Mulunda can efficiently detail tender design drawings, specifications and quantities, professional technical advice, support and control of professional service providers. He is familiar with various master computers packages for Windows such as Microsoft Excel and Microsoft Word, Power Point and the AutoCAD family of software packages.

To add on, he is well experienced with practicing management and administration. He also liaises with other engineering professionals as part of multi-functional teams. He occasionally provides consultancy work to various companies. Over the years, he has worked across the country in both urban and rural areas. Lastly, he is passionate about education and mentorship especially to the youth, women, new engineering practitioners, and disadvantaged communities.



CORE VALUES

INTEGRITY

Our team acts ethically and professionally. We are fair, honest and do not tolerate coercive or misleading practices.

ACCOUNTABILITY

We take personal responsibility for all we do that is under our control. We hold ourselves accountable to our colleagues and all those who depend on us.

COMPLIANCE

Our team upholds and complies with all the applicable laws and regulations. We uphold the standards of practice by complying with current business policies and procedures especially now that we must abide by the Covid-19 regulations.

CONFIDENTIALITY

We respect the confidentiality of our customers and colleagues as well as their information. We do not share information without prior written consent or as otherwise directed under law. Our team preserves intellectual property and moral rights of the company and associated stakeholders.

CONDUCT

Our team treat our customers and colleagues with respect and courtesy, regardless of their background, individual or cultural differences. We do not support any form of discrimination or harassment. We encourage workplace diversity, equality, and inclusion for all. Our team exercises diligence and duty of care obligations and avoiding conflicts of interest. We abide by all core values.

RELATIONSHIPS

We look for and build good working relationships to achieve our common goals and foster good teamwork. We are committed to developing long-term relationships with our clients and building confidence and trust such that our clients will come to us again and again for assistance in tackling their medical issues. This allows us to work collaboratively in a respectful, transparent, efficient and honest manner.

TECHNOLOGY

We are committed to the idea that technology is the key to taking the lead in our fast-changing health environment and we aggressively leverage technology internally to provide streamlined processes and highly dependable solutions for our clients.

PRODUCTS & SERVICES

The Company is a major provider of engineering services, offering a complete package, from consultation to providing solutions and support. The company studies and gives analysis of research projects, products, tools, frameworks and identification of engineering trends or breakthroughs. The company's approach includes assessment and improvement of civil engineering strategies by proposing enhancements and new services.

In addition, it informs via research, set-up and maintenance of news bulletin boards and newsletters on hard copy and online through the website, continuous monitoring of new developments and organisation of engineering events such as expositions or webinars.

Through connections, Juka will set-up the coordination of networks of experts and stimulation of interaction through collaborations, conferences, and organisation of engineering events.

TARGET MARKET

The target market is multiple customer groups such as governments, corporate companies, business community at large and individuals who undertake an engineering project. The corporates will be targeted also through business to business (B2B) engagements. Customer groups range from a minimum of ten to a few hundred. The Company's key customers are the walk-ins, referrals, and the public.

CORPORATE PHILOSOPHY

Our corporate philosophy establishes the fundamental principles of our management system. Our worldwide operational and performance standards translate the corporate values into specific management expectations. We preserve a high level of business ethics characterised by integrity and honesty in all our business actions.

ENVIRONMENTAL POLICY

As a responsible entity, Juka Afrika is committed to protecting the environment in compliance with the health, safety, environmental laws and the practices of the community where it operates.





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