# Digital Fingerprint

# COMPANY PROFILE

*Optimising engineering, manufacturing, and mining operations through a customised, on-the-ground, adaptive operations strategy implementation based on industry best practices and data analytics.*

# ABOUT US

*We work with you by gaining a complete understanding of your organisation and its processes, and identifying opportunities for improvement. We then offer a complete set of tools and solutions for ensuring operational excellence and the delivery of lasting value.*

**Digital Fingerprint**

# ABOUT US

## TECHNICAL EXPERTISE



## DIGITAL FINGERPRINT ACADEMY



## CORPORATE SOCIAL INVESTMENTS (CSI)



*We have a highly skilled technical team proficient in Salesforce (Architecture, Business Analysis, Development, etc., with specialization in the Manufacturing and Net Zero Cloud). We have specialists in Software Development, Artificial Intelligence, Innovation, ESG and Engineering.*

*Our academy is both an investment into our digital skills pipeline and a commitment to bridging the digital skills gap in South Africa. The academy offers technical training, coaching and mentorship as well as corporate experience to a pool of talented young people.*
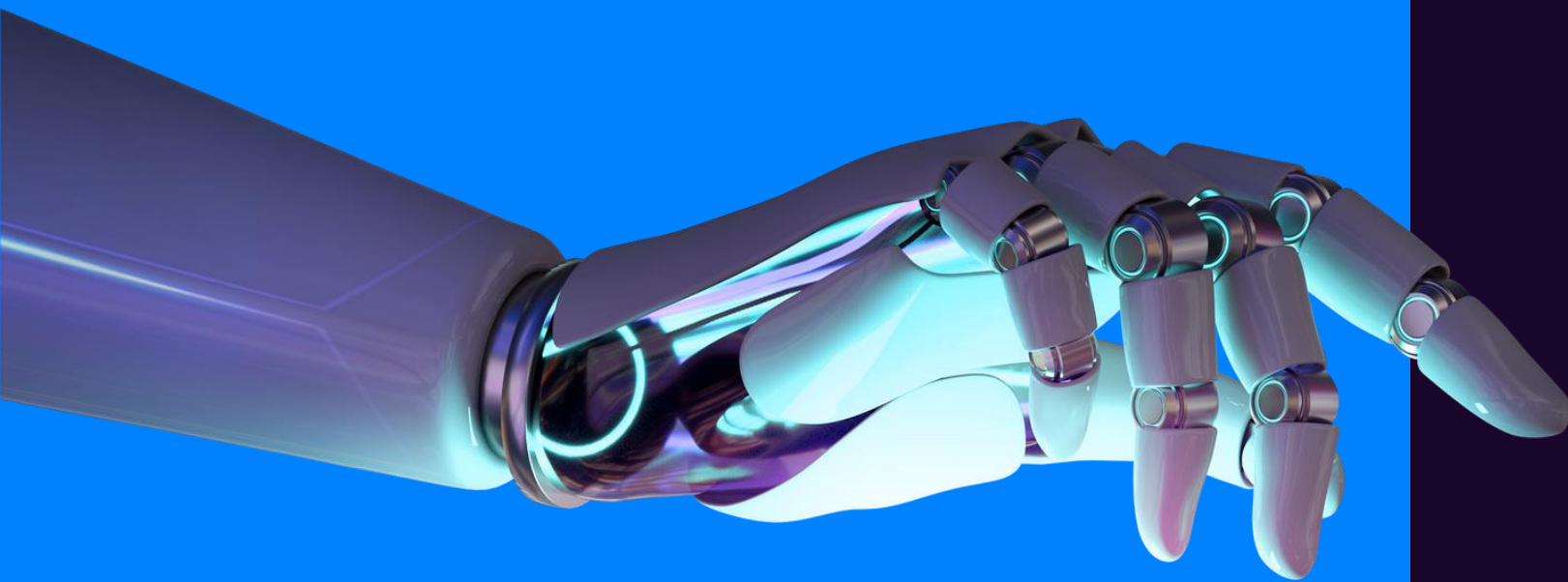
*We sponsor community programs with special focus on skills development, such as the TeenPreneur HUB, a skills development program fully funded by Digital Fingerprint focusing on Entrepreneurship, Technology, Media and Arts. More info: teenagers.org.za/tph*

**A CATALYST FOR EFFICIENT BUSINESS OPERATIONS**

**Digital Fingerprint**

# OUR SOLUTIONS

- DIGITAL TRANSFORMATION
- CHANGE MANAGEMENT
- HUMAN CAPITAL MANAGEMENT
- OPERATIONAL EFFICIENCY
- ENGINEERING
- IIOT AND PREDICTIVE MAINTENANCE
- ESG FRAMEWORK

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## Digital Transformation

*We offer expertise in the integration of technology into all areas of a business, fundamentally transforming the operation and delivery of value to customers through AI, Data Analytics and cloud based systems.*

## Change Management

*Our specialists assist companies in a systematic approach to dealing with the transition or transformation of an organisation's goals, processes or technologies. Change management has become critical due to the speed of Digital Transformation.*

## Human Capital Management

*We perform human capital analysis in line with current and future digital business needs, and advise organisations on the necessary human capital investments to position themselves competitively and meet their profitability requirements.*

## Operational Efficiency

*Digital Fingerprint's advanced monitoring models assure that all the busyness results in tangible outcomes that are directly linked to the profitability of the business. An active company is not necessarily a profitable one*

## Engineering

*We offer feasibility studies, design and execution of control systems, automation and electrical engineering systems that are safe, reliable and efficient for the benefit of customers and end-users. Our solutions are designed with Digital Transformation in mind.*

## IIOT and Predictive Maintenance

*We make use of smart sensors and actuators to enhance mining, manufacturing and industrial processes. Through the power of smart machines and real-time analytics, our systems can predict the best maintenance times and the actual lifespan of the equipment.*

## ESG Framework

*We assist companies with strategic monitoring tools to monitor high level progress and factors that have a significant impact on the business and the environment. We help companies identify continuous improvement opportunities for sustainability.*

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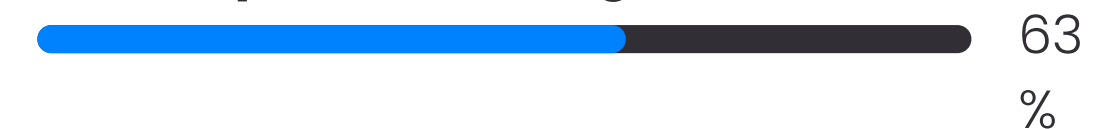
# DIGITAL TRANSFORMATION

Salesforce defines *Digital Transformation as "the process of using digital technologies to create new or modify existing business processes, culture, and customer experiences to meet changing business and market requirements"*, *by using cutting-edge technologies to modify existing methods or create new ones.*

*The 2021 statistical figure, indicating that 38 Million South Africans use the internet, is a testament of a ripe environment for successfully implementing Digital Transformation.*

**%World Population using internet**

59%

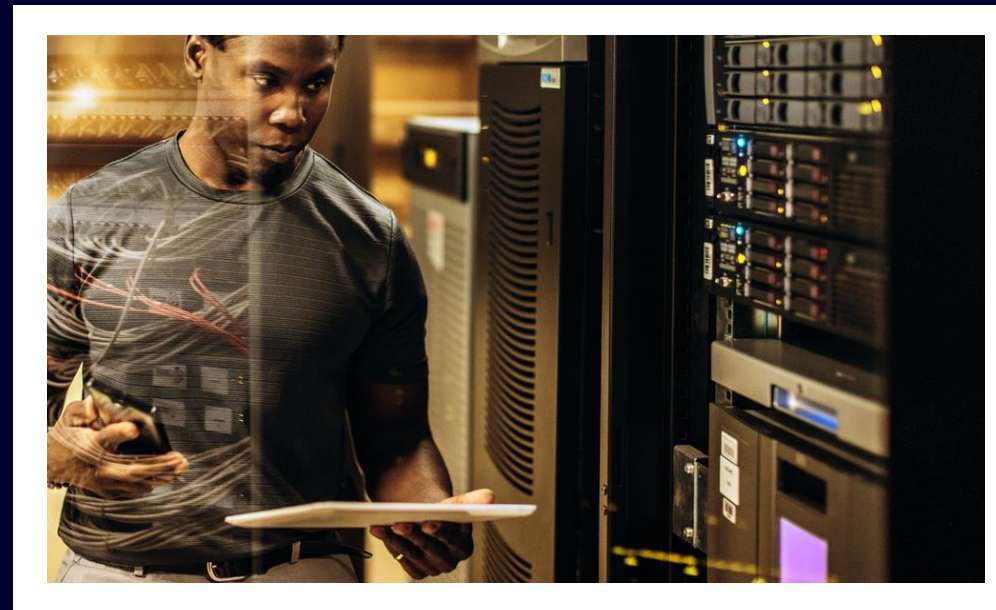**%SA Population using the internet**

63%

# DIGITAL TRANSFORMATION

# CORE FOCUS AREAS

### • THE CLOUD



### 2. DIGITIZATION



### 3. NEW VALUE STREAMS



*In the absence of a proper IT infrastructure, it is impossible to digitally transform. We assist customers with analysing existing IT infrastructure, identifying opportunities for improvement, as well as the proposal and implementation of relevant cloud solutions. This in turn improves flexibility and presents the business with an ecosystem of relevant tools.*

*We help organisations optimise existing business operations by digitising them. Any aspect of the business that relies on manual functions is upgraded to digital. This process improves efficiency and optimises business operations. This is a necessary step, for complete control and monitoring of the value chain.*

*We combine the power of the cloud, Artificial Intelligence (AI) and data analytics to realise new value streams that can facilitate new business models or products. We use improvements in processes and new innovations facilitated by advanced technologies, to identify new products and services.*

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# DIGITAL TRANSFORMATION

# YOUR DIGITAL FINGERPRINT

*The traditional business environment was blessed with loyalty, stability, and predictability, but the modern business environment is volatile and agile. People are loyal to themselves, stability is limited, and there is nothing predictable about our world. Data keeps on changing and so are the client's needs and requirements.*

*The modern business should, therefore, continuously evaluate its fundamentals, adapt quickly, and build its strategy around data. The modern business cannot thrive or survive on the traditional analogue fingerprint, it requires a DIGITAL FINGERPRINT, engraved in all its operations, as a basis of its culture. This will always keep the company relevant and give the company an adaptable value proposition and a competitive edge.*

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# THE FOUNDATION

The foundation of Digital Transformation is Engineering. Engineering is defined as *"the branch of science and technology concerned with the design, building, and use of engines, machines, and structures."*

The digital world is dead without a reliable engineering infrastructure. This is why Digital Fingerprint has built its capacity to offer; Electrical (energy), Control and Instrumentation expertise to its clients, in a bid to close the infrastructural gap where necessary. This places us in the best position to not only understand our Engineering Sector clients' requirements, but to offer them practical solutions. These may include; recommending sensors, measuring instruments, and functional control philosophy for automation requirements
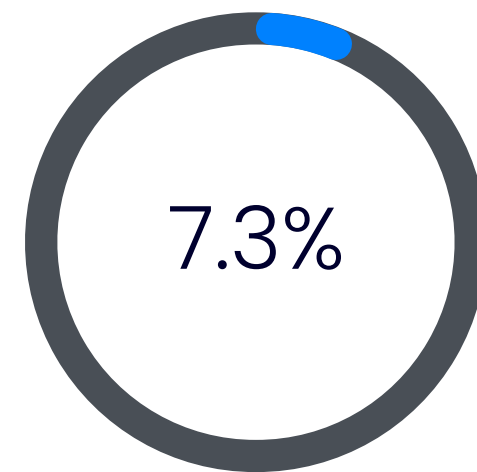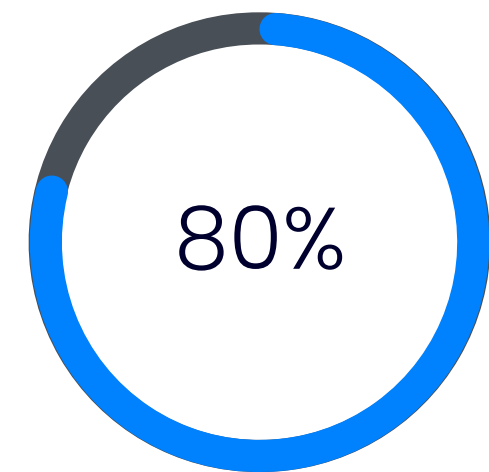
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# ENERGY

*Digital Fingerprint Energy is the energy division of digital fingerprint, providing clients with the relevant energy infrastructure to remain connected despite the scourge of power cuts. We supply Solar Systems, Battery Energy Storage Systems (BESS), and UPSs, mainly for Data Centres, Office, Commercial, and Industrial Buildings. This is in line with the company's goal of contributing to environmental sustainability. The % of Coal in our energy mix is still significantly high.*
*~ www.digitalfingerprintenergy.co.za*

7.3%

**%Renewable Energy**

80%

**%Coal**

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# IIOT

*No matter how your IIoT is set up, we can help your business consolidate 3rd party systems and pull in information from spreadsheets and various other systems. We further consolidate this information into; either a custom built system for the client or specialised Digital Fingerprint infrastructure is used to house the new system.*

*Users can then interact with the system via Mobile app or website – giving your managers and supervisors access to the data they need from anywhere.*
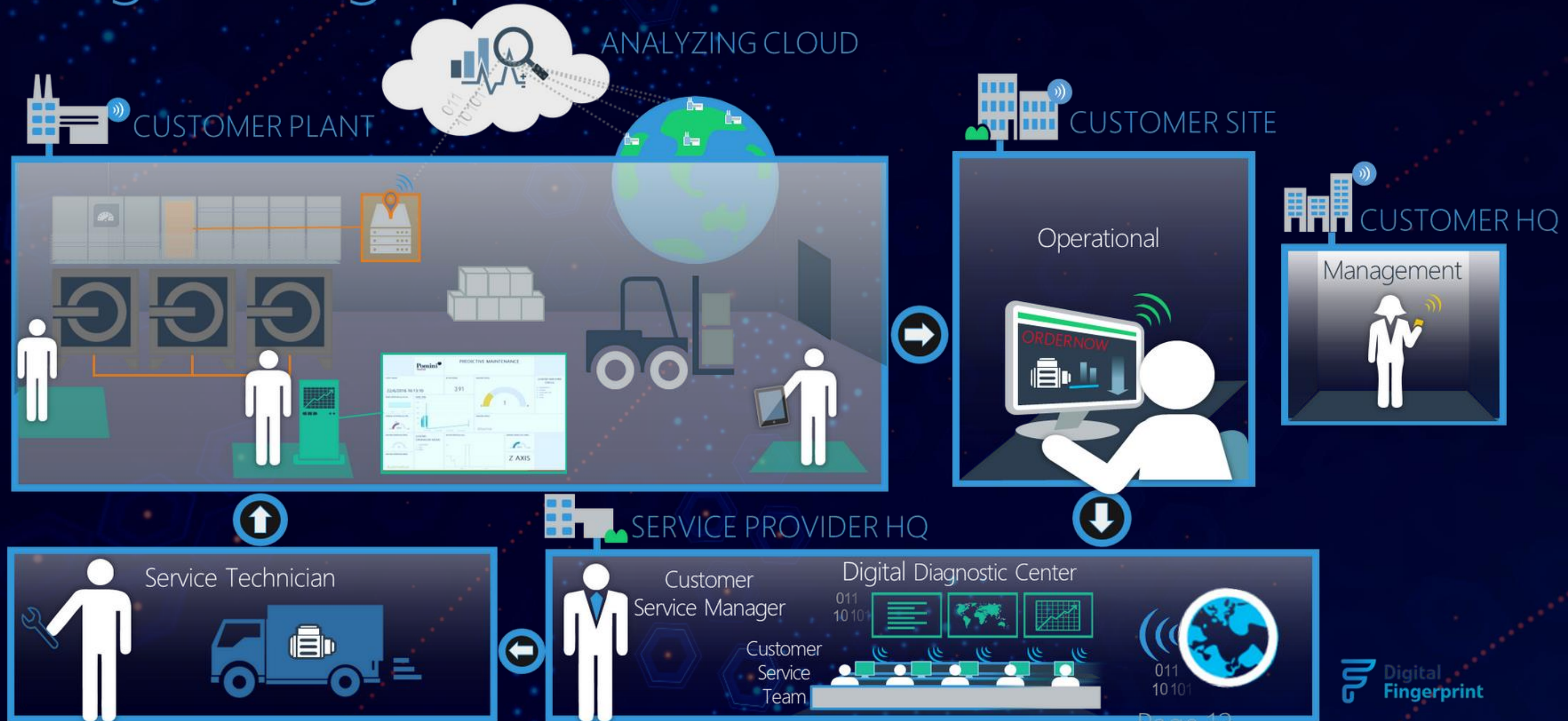
# PREDICTIVE MAINTENANCE

*Mines and big industries have multiple PLCs and SCADA systems distributed throughout their plants, creating a challenge with collection of operational data. We assist with consolidating data from local and independent monitoring systems, centralise the data and give personnel remote access to the data. When data is consolidated, it simplifies that analysis of such data, presenting an opportunity to use the available data live from field devices for predicting equipment operational requirements, Meantime to repair (MTTR) and Meantime to failure (MTTF). Our vast engineering knowledge and expertise have better positioned us to analyse equipment and plant data, as well as build the necessary models for predictive maintenance, reducing downtime and improving plant efficiency.*

**CRM portal**

- Predictive Maintenance
- Remote Assistance & Field Service
- Spare parts management
- Process Optimization
- Performance Data & Analysis
- Tailored Settings Technical Advisory

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# ENVIRONMENTAL, SOCIAL AND GOVERNANCE (ESG)

# STRATEGIC & MONITORING TOOLS

*We assist companies with strategic and monitoring tools to meet their ESG targets. We build customised solutions for data analysis and interpretation on the company's road to realising the risks and opportunities around sustainability issues.*
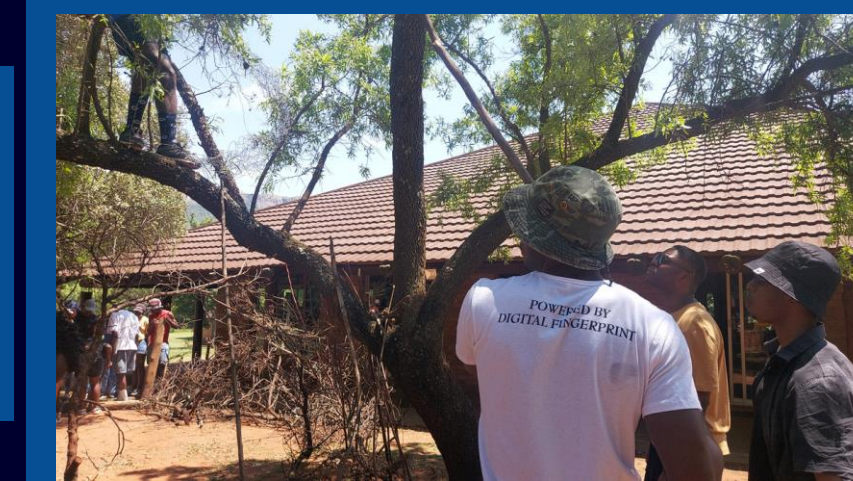
## 2050
Net Zero Energy By

## 90%
2050: Electricity Generation from renewables

## 7600
2050: Total CO2 captured (Mt CO2)

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# GALLERY (CORPORATE SOCIAL INVESTMENTS)

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# OUR TOP 5 CLIENTS

**South African Weather Service**

**Johannesburg Water**

**Afrinov**

**ayibuye i-Afrika** trading

**MK MABALE HOLDINGS**

# CONTACT US

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