



COMPANY PROFILE

2025



**DRONE EYE TECHNOLOGY
BUSINESS PROFILE 2025**

**INSPECTION &
MONITORING
IMPROVED THROUGH
DRONE TECHNOLOGY**

ABOUT DRONE EYE TECHNOLOGY



A Brief Story About Drone Eye Technology

Drone Eye Technology (Pty) Ltd is a 100% Black-owned South African company founded in 2019 and headquartered in Westville North, KwaZulu-Natal. We specialize in high-impact drone solutions that enhance security, surveillance, inspection, mapping, and infrastructure monitoring across private, commercial, and governmental sectors.

Backed by SACAA-certified drone pilots with extensive field experience, our solutions integrate real-time aerial intelligence, cutting-edge drone hardware, and advanced imaging technology to support ground personnel in improving safety, efficiency, and rapid response.



OUR CORE SERVICES

01

Internal & External Inspections: Boiler and Stack condition inspections and generating interactive reports.

02

Alien Plants Aerial Mapping: Emerging alien plants early identification, project progress monitoring and reporting.

03

Construction & Infrastructure: Project tracking, deformation surveys, safety audits, and inspection of critical assets like boilers, powerlines, and railways.

04

Survey & Mapping: Aerial orthomosaic mapping, volumetric analysis, pit & dump tracking, and environmental monitoring.

05

Blasting Monitoring: Real-time overhead monitoring, detonator detection, and compliance inspections for mining operations.

06

Water Quality Monitoring: Aerial sampling and real-time testing using drones integrated with IoT-enabled sensors.

TECHNOLOGY

We operate industry-leading platforms such as the DJI Matrice 350 RTK and DJI Matrice 4, equipped with Zenmuse H20T thermal cameras, laser rangefinders, and live data streaming capabilities—enabling cost-effective, accurate, and rapid deployments in challenging environments.

MARKET FOCUS

Drone Eye Technology serves sectors including:

01

**Private and
Public
Security**

02

**Mining and
Industrial
Surveillance**

03

**Construction
and
Infrastructure**

04

Environmental and Agricultural Monitoring

We are among the first to offer integrated, real-time drone security solutions in KwaZulu-Natal, aligning with global UAV trends and addressing critical regional safety and operational challenges.

ACHIEVEMENTS & PARTNERSHIPS



Successful project launches with Sasol and ARM



Selected for Innovate UK's Scale Out for Impact Program



Winner of multiple innovation awards, including the Moses Kotane Institute ICT Award and UNISA Innovation Showcase



Participant in the Swiss-South African Cleantech Innovation Program



LEADERSHIP

Led by Andile Vilakazi (CEO) and Siphesihle Mthethwa (COO), our leadership team brings a unique blend of environmental science, drone operations, and business development expertise. Andile holds a BSc in Environmental Management, is a BVLOS-certified pilot, and has over 800 drone flight hours. Siphesihle holds a BCom in Business Innovation and brings expertise in tech-driven entrepreneurship.



Andile Vilakazi

Chief Executive Officer (CEO)



Siphesihle Mthethwa

Chief Operating Officer (COO)

WHY CHOOSE US

- Real-time intelligence
- Advanced drone fleet
- Cost-effective inspections
- Experienced, certified pilots
- Level 1 B-BBEE contributor

DRONE EYE TECHNOLOGY – SOLUTIONS FROM THE SKY

Overview

Founded in 2019 and 100% black-owned, Drone Eye Technology (Pty) Ltd is a South African UAV solutions provider based in KwaZulu-Natal.

Our mission is to deliver real-time, intelligent drone-based services that address complex challenges in safety, security, infrastructure, environmental monitoring, and industrial inspections. With our roots in innovation and wings in tech, we soar above conventional limitations to offer high-efficiency surveillance and data-driven decision support-because sometimes, the best view of the problem is from 120 metres up.



OUR CORE FOCUS AREAS

Security & Surveillance

We provide real-time aerial surveillance for commercial properties, event security, crowd monitoring, and critical infrastructure. Our drones assist in:

- Perimeter and asset protection
- Emergency and crowd response using thermal imaging and loudspeakers
- Border and coastal monitoring
- Traffic and infrastructure oversight

We aim to be the eye in the sky that never blinks—even at night or in stormy weather. And yes, we stream it all live to command centres with less lag than a teenage gamer's internet.

Construction & Industrial Services

From project tracking and safety compliance to blasting and deformation surveys, our drone fleet ensures cost-effective and accurate inspections—without dangling humans over dangerous ledges (which, frankly, HR frowns upon).

Surveying & Mapping

We generate high-resolution aerial maps, monitor stockpiles, and perform terrain analysis. If there's a hill, hole, or heap that needs measuring—we've got you covered with a bird's-eye view and a bot's precision.

WHY WE'RE DIFFERENT (AND BETTER)

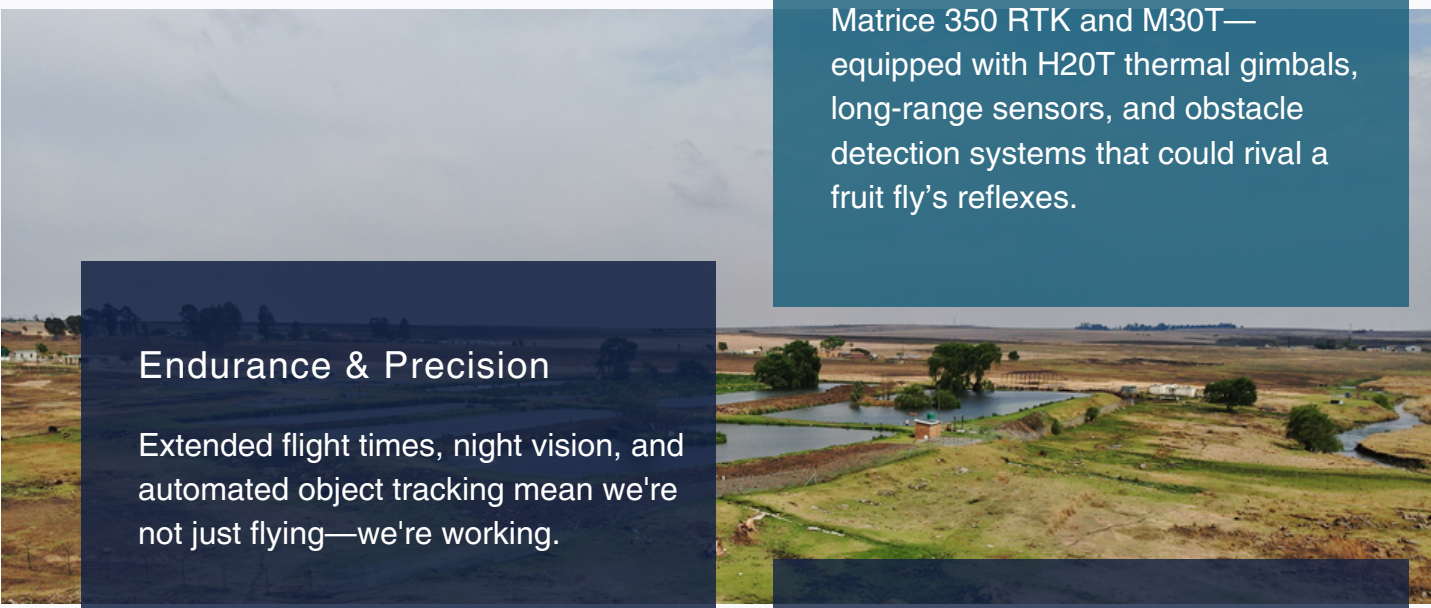


Real-time Data Delivery

Unlike traditional drone operations with their dusty micro-SD card gymnastics, our solutions use secure live streaming to broadcast directly to your control room. Instant data, instant action.

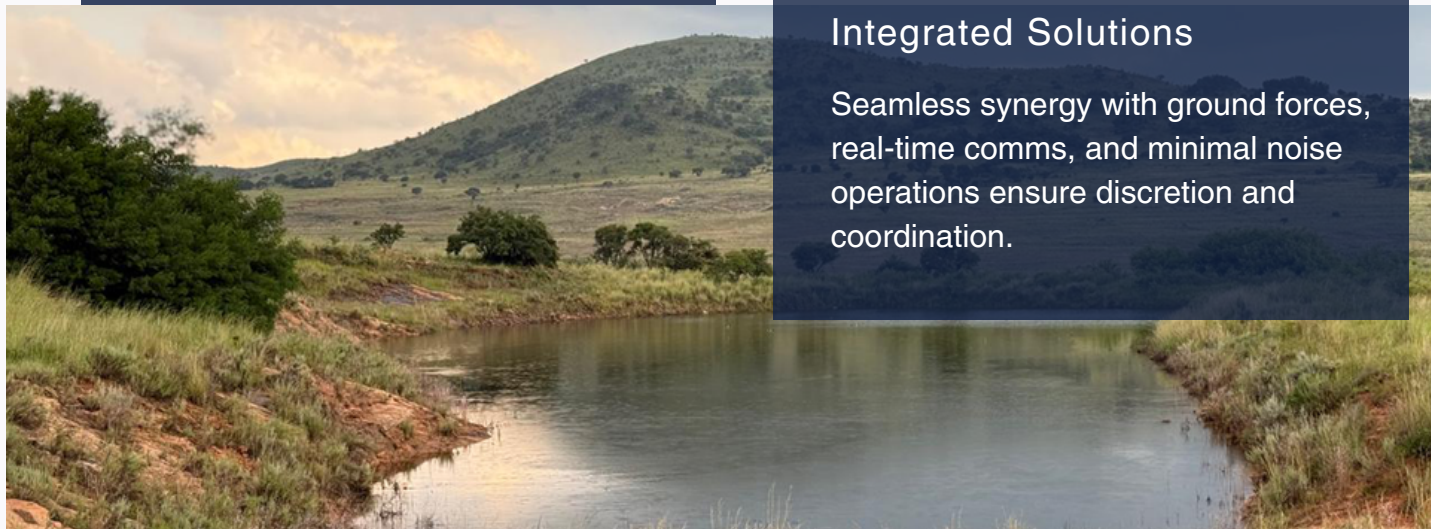
Advanced Hardware

We deploy DJI's flagship drones—Matrice 350 RTK and M30T—equipped with H20T thermal gimbals, long-range sensors, and obstacle detection systems that could rival a fruit fly's reflexes.



Endurance & Precision

Extended flight times, night vision, and automated object tracking mean we're not just flying—we're working.



Integrated Solutions

Seamless synergy with ground forces, real-time comms, and minimal noise operations ensure discretion and coordination.



DRONE EYE TECHNOLOGY ACCOLADES

2014

National Future Leaders Youth Award Winner

Category : Environment / Conservation.

2019

IUPAC Next Generation Programme Participant

Theme : Crop Protection: Education of the Future Generation

8th Annual UNISA Students Research and Innovation Showcase Competition Winner

Category : Natural and Physical Sciences.

2020

Moses Kotane Maritime & Innovation Awards
2020 Winner

Outstanding Innovation in Agriculture

Links :

<https://www.youtube.com/channel/UCvA8i3LkK17mBVKBeAEmt7A>

<https://www.facebook.com/moseskotaneinstitute/>

<https://youtu.be/KiDvoSStLEM>

2020

Top Ten Finalist in the Swiss Vs SA Pitch Battle

Category : Monitoring the Environment using drones

Link : <https://innovationsummit.co.za/swiss-vs-sa/>

2021

AgriTourZA Limpopo Cohort Demo Day Winner

Category : Tourism

Links :

<https://www.itnewsafrika.com/2021/07/agritourza-is-rewarding-r100000-to-limpopos-top-technopreneurs-and-innovators/>

2022

Moses Kotane Institute Innovation Awards 2022 Winner

Category : Information and Communications Technology (I.C.T)

Link : https://www.youtube.com/watch?v=_mJQtG7W4Mk

2020

Top Ten Finalist in the Swiss Vs SA Pitch Battle.

Category : Monitoring the Environment using drones

2024

Scale Out for Impact Cohort 2, (Innovate UK and the Technology & Innovation Agency)

Category : Impact of Drones & Aqua-Sense on Water Usage in Farming

- Project Focus: Combining drone technology with IoT-enabled sensors for more efficient detection of water supply issues in agriculture, including aquaculture.
- Objective: Conduct aerial sampling and testing to monitor water quality in real-time, enabling informed decisions, faster intervention, and timely remediation. The integration of drones and sensors also allows for pinpointing the exact location of water contamination, ensuring effective and swift interventions for improved farm management practices.



2024

Cleantech Ecosystem Tour to Switzerland

Category: International Collaboration and Networking

- **Project Focus:** The Swiss-South African Cleantech Innovation Program aims to strengthen collaboration between the cleantech ecosystems of Switzerland and South Africa. It focuses on fostering knowledge exchange, building innovation networks, and enabling cross-border partnerships to address global sustainability challenges.
- **Objective:** The Swiss-South African Cleantech Innovation Program aims to integrate participants into Switzerland's advanced innovation ecosystem, fostering collaboration with key stakeholders such as researchers, entrepreneurs, and investors. It enhances knowledge and skills through incubation sessions and best practice sharing while promoting the commercialization and scaling of cleantech solutions. By strengthening bilateral ties, the program supports long-term partnerships and drives sustainable development and economic growth in both regions

2025

UNICEF Youth Challenge

Category: Empowering Young Entrepreneurs in South Africa's Water Quality Sector.

LEADERSHIP & INNOVATION

Co-founded by Andile Vilakazi, a BVLOS-rated drone pilot and environmental scientist with over 800 flight hours, and Siphesihle Mthethwa, a business innovator with a commerce degree in entrepreneurship, our team embodies the union of technical excellence and entrepreneurial savvy.

VISION FOR THE FUTURE

Drone Eye Technology is not merely flying drones—we're lifting communities. Our initiatives support local skills development, BEE compliance, stakeholder engagement, and sustainable practices. We believe drone technology is not just an eye in the sky, but a beacon for smarter, safer, and more equitable growth.

If it happens on the ground, we'll see it from the air—and if it needs fixing, we'll help you fix it before it becomes a headline.

Let me know if you'd like this tailored into a one-pager, visual presentation, or tailored pitch for partners or investors.





THANK YOU

We are ready to work with you.

 36 Chearsley Road,
Dawncrest Hill,
Westville North,
KwaZulu-Natal, 3629

 +27 76 749 9104

 +27 65 871 6973

 www.droneyetechnology.co.za