



2025

ROC CONSERVATION TECH **COMPANY PROFILE**

Roc Conservation Tech is a company dedicated to bridging advanced technology with environmental stewardship. At Roc, we focus on innovative solutions that help industries—especially in renewable energy—operate sustainably while protecting our ecosystems. From bird detection systems near wind turbines to conservation-driven drone technology, our mission is clear: to enable industry growth without compromising biodiversity.



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WELCOME MESSAGE



Dirk van der Walt

Founder

I have always been captivated by the beauty of wildlife and the endless potential of technology. Over two decades in control engineering have deepened my appreciation for how data and innovation can solve complex problems. But alongside this professional journey, my personal connection to wildlife and the environment has remained a constant source of energy.

Founding Roc Conservation Tech allowed me to merge these two passions. It's not just about deploying advanced systems or designing clever solutions; it's about making a meaningful difference—ensuring that industries can grow responsibly without compromising the natural world. Every project we undertake stems from this belief.

This vision led to the creation of Roc Conservation Tech—a company founded on the belief that industry and nature can coexist harmoniously. By integrating advanced data science and technology with a commitment to conservation, we bridge the gap between industrial operations and environmental preservation. At Roc, we aim to not only deliver effective solutions but to inspire a future where sustainable growth and biodiversity thrive together. Whether deploying avian detection systems, protecting endangered raptors, or collaborating with conservation organizations, every project reflects our unwavering commitment to creating a balanced and sustainable world.





OUR

MISSION



At Roc Conservation Tech, we bridge advanced technology and environmental stewardship to foster a future where industry and biodiversity thrive together. We specialize in innovative engineering solutions that empower projects to operate sustainably while protecting endangered species and ecosystems.



**Protect Life
on Land**



**Promote
Clean Energy**



**Responsible
production**



**Foster
Partnerships**

Aligned with the United Nations Sustainable Development Goals, our mission is to:

- *Protect Life on Land (SDG 15) by safeguarding endangered birds, including vultures, eagles, and other raptors, through advanced risk mitigation technologies and proactive conservation strategies.*
- *Promote Clean Energy (SDG 7) by enabling renewable energy developers to overcome environmental challenges through cutting-edge avian detection systems and data-driven insights.*
- *Ensure Responsible Consumption and Production (SDG 12) by supporting industries in implementing sustainable practices that minimize ecological impact and maximize resource efficiency.*
- *Foster Partnerships (SDG 17) by collaborating with conservation organizations like BirdLife, VulPro, and the Endangered Wildlife Trust, and providing technical insights and engineering expertise to achieve shared sustainability goals.*

Through our commitment to innovation and collaboration, Roc Conservation Tech demonstrates that renewable energy and wildlife conservation can coexist harmoniously.

OUR CORE SERVICES



Engineering Solutions for Conservation Technologies

We deliver tailored solutions that address conservation challenges using advanced instrumentation and control systems. Our collaborative approach ensures we understand the unique needs of our clients and developers, avoiding retrofitting existing products and instead delivering effective, customized solutions.



Bird Collision
Prevention



Operational
Efficiency



Data Driven Insights &
Monitoring



Technology
Integration



Supporting policy
compliance



Advancing
conservation
science



after-sales support,
lifecycle services



Our Stakeholders

- **Wind Energy** – bird collision mitigation and compliance solutions
- **Project Developers** – integrating conservation tech into new projects
- **Independent Power Producers (IPPs) & Energy Infrastructure** – safeguarding biodiversity while generating power
- **Protected Areas & Species Conservation** – monitoring and protecting threatened wildlife
- **Environmental Practitioners & Avifaunal Specialists** – tools for impact assessments and mitigation planning
- **Government & Regulators** – supporting policy compliance and biodiversity protection
- **NGOs & Research Institutions** – advancing conservation science with reliable data and technology

MEET OUR PARTNERS

Boulder Imaging and Identiflight

Technology partner

Roc Conservation Tech is a proud partner of Boulder Imaging, bringing the globally recognized Identiflight system to South Africa. With over 500 stations deployed worldwide, Identiflight has demonstrated high reliability (>98% availability) and achieved measurable impacts.



1000
years

Turbine years of
fully covered
turbines @ high
risk sites

>20
million

birds detected

1.3
km

Detection
Range

<2
sec

Species
identification
speed

>95
%

Distance and
Wingspan
accuracy

30
South
African

birds classes
already trained

<1
%

Power
Generation
Losses

Collaborations with Conservation Organizations

We actively collaborate with BirdLife, VulPro, and the Endangered Wildlife Trust to align our efforts with broader conservation initiatives. Through technical insights, engineering consultation, and personal contributions, we work to support biodiversity and promote sustainable development.



THE COMPANY VALUES



Innovation

I promise to leverage cutting-edge technology and data to deliver meaningful and practical solutions to complex conservation issues.

Collaboration

I build meaningful partnerships that bring together conservation organizations, industries, and communities to create shared solutions for environmental challenges.

Integrity

I commit to making every decision and action reflect transparency, ethical practices, and unwavering accountability to the environment.

Sustainability

I dedicate myself to prioritizing ecological health, ensuring that all our actions balance industrial growth with the preservation of biodiversity.

Adaptability

I vow to embrace change and remain flexible, ensuring our approaches and solutions remain effective and relevant in an evolving world.





LET'S WORK
TOGETHER



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