



2ND ANNUAL DRONES AFRICA SUMMIT

Date: 17 - 18 October 2018

Location: **Birchwood Hotel, Johannesburg, South Africa**

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Register: <http://www.smart-link.co.za/index.php/drones2018/>

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Meet Our Speakers

Keynote Speakers

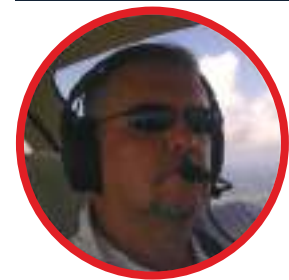


Jacob Mamabolo
MEC
Gauteng Infrastructure Development
[South Africa]



Col. Silas Udahemika
Director General
Rwanda CAA
[Rwanda]

International Keynote Speakers



Juan Plaza
Chief Executive Officer
Juan B Plaza Consulting
[United States of America]



Amit Ganjoo
Chief Executive Officer
Anra Technologies
[United States of America]

Drone Experts



Morris Mbetsa
Owner
Mbetsa Innovations Ltd
[Kenya]



Tammy Green
Co-Founder & Managing
Partner
Big Bird



Simon Segwabe
Executive: Aviation Safety
Operations
South African Civil
Aviation Authority



Dr Debbie Jewitt
Ecosystem Ecologist
Ezemvelo KZN Wildlife



Jacques Swart
Independent Technology
Consultant



Theo Bernhardt
Environmental GIS
Specialist
Johannesburg City Parks



Jaco du Preez
CEO and Founder
Wipo-Wireless Power



Jan-Albert Viljoen
Africa Sales Representative
GammaTec



Patrick Ndlovu
Business Development
Executive
Denel Dynamics



Richard Harding
Chief Executive Officer
Ranmarine Technology



Franz Fuls
Managing Director
Compact Aerial Services

More Speakers To Be Announced Soon. Visit The Conference Website for Updates:

<http://www.smart-link.co.za/index.php/drones2018/>

Get Ready To Learn About Regulations, Applications And Emerging Advances In Drone Use.

After the success of the first Drones summit, **Smart Link Consultancy** is pleased to announce the **2nd Annual Drones Africa Summit** which will be taking place from 17 - 18 October 2018 in Johannesburg, South Africa.

As more and more Drones are taking flight, hear how drones' unlimited applications are revolutionizing the way we capture, monitor and assist humanity and learn more about regulations, case studies and future technological advancements shaping and impacting the drone industry like AI, IoT, Blockchain, Big Data... etc
Whether flight is controlled by onboard computers or remotely from the ground, drones can provide solution for, search and rescue, agriculture, construction, energy, utilities, marine, cultural heritage protection, film production.. etc and given its unlimited potential the ever-increasing number of drone approval seekers in South Africa and Africa has been increasing year on year and it is incumbent upon the various Civil Aviation Authorities to take huge steps towards promulgating and releasing drone regulations that are apt.

Why you should not miss out on this event?

If you are a drone regulator: Come and learn about the regulations in Kenya and rest of East Africa. Understand how other countries in Africa and rest of the world are working towards safely integrating drones into their commercial air space and discuss best practices and strategies for implementing drone regulations in the country.

If you are a drone end user: Gain an in depth understanding about the various drone technologies. Learn about the different applications of drones and how they can help you perform your company operations faster, more efficiently, save costs and add to your profitability.

If you are drone manufacturer, service provider, component provider or software provider: This is your opportunity to showcase you company's offerings in front of the major stakeholders in East Africa. Identify the various challenges faced by drone end users and regulators in the region and discuss how your technology can help solve their challenges.

Who Should Attend?

If you belong to any of the below mentioned industries then you should not miss out on the opportunity to attend this event and learn how you can benefit from drones:

Emergency Services: Police, Civil Defence, Coast Guard, Fire and Safety, Rescue Teams, Ambulatory Services

Energy Sector: Oil and Gas, Power and Utilities, Mining

Transportation: Roads and Transportation Authorities, Railways, Civil Infrastructure

Government Organisations: Ministries, Public Authorities, Healthcare Authorities

Aviation and Aviation Regulatory Bodies: Airlines, Airports, Air Navigation Services, Civil Aviation Authorities

Construction: Developers & Builders, Construction Companies, Architectural Firms, Urban Planners, Building Inspection

Research & Development: Universities, Drone Labs and Researchers

Suppliers: Drone Manufacturers, Insurance Providers, UAV Service Providers, Training Institutes and UAV Parts Suppliers

Others: Environment Agencies and Food and Agriculture Companies

Exhibition/Sponsorship Opportunities

The Exhibition showcases latest and cutting edge drones from industry leaders and operators who are looking at this platform to create new markets, network and be a trusted hub of drone products.

The Sponsorship packages are outlined as follows:

Platinum Sponsor | Gold Sponsor | Silver Sponsor | Lunch Sponsor | Cocktail Sponsor

The Exhibition packages are outlined as follows:

Shell Scheme: 3m x 3m | Floor Space 1: 1m x 3m (Floor Space Only) | Floor Space 2: 3m x 3m (Floor Space Only)

Should you be interested to partner with us as our sponsor/exhibitor, kindly contact our:

Business Development Manager: Thokozani Ndlovu

Email: partnerships@smart-link.co.za

Tel: 011 434 0491

07:30 – 08:30 | Registration

08:30 – 09:00 | Keynote: Examining the Current Drone State and Advances in Drone Robotics

Jacques Swart | Independent Technology Consultant

- How will state of the drones disrupt global enterprise operations?
- Deploying AI and Machine learning to make use of drone collected data
- Harnessing drones data for business value
- Protecting privacy rights without holding back development
- Failure to Launch: Why have some drone businesses fallen by the wayside?
- Sensor technology for drones application

09:00 – 09:30 | Perspective on Rwanda: Opening the Skies for Commercial Drone Flyers

Col. Silas Udahemika | Director General | Rwanda CAA [Rwanda]

09:30 – 10:00 | Breakout Session A

Breakout A1: Smart Farming using Drones: Precision Agriculture, Mapping and Spraying Techniques

Tim Wise | Managing Director | Precision Agriculture Systems

Agricultural drone technology has been improving in the last few years, and the benefits of drones in agriculture are becoming more apparent to farmers. Drone applications in agriculture range from mapping and surveying to cropdusting and spraying. This session will explore in-depth:

- What is Precision Agriculture and its Benefits.
- Drone Mapping and Automated Flight Paths
- Benefits of Precision Crop Spraying

Breakout A2:

Smart Maintenance: Drones for Railway Infrastructure Monitoring and Maintenance

Koenie Schutte | Chief Executive Officer | Lsofsa

In recent years, there has been an increasing interest in the adoption of drones for monitoring a variety of rail infrastructures. Rail infrastructure monitoring systems are widely adopted to detect faults before they can lead to severe failures. They can be found in a number of civil structures, including bridges and viaducts, and also in many other applications of smart-maintenance, prognostics, health and security monitoring. Railway inspection had to turn to drones to improve efficiency and accuracy. But they are not just using any kind of drones, they are AI-powered drones. It's not enough for a drone to take high-resolution pictures of the railway, you need eyes fast enough to study the pictures and make quick decisions.

10:00 – 10:30 | Tea Break & Exhibition

10:30 – 11:00 | Intergrating Drones Into the Civilian Airspace

Patrick Ndlovu | Business Development Executive | Denel Dynamics

11:00 – 11:30 | [Keynote] Gauteng Government Turns to Drones for Better Project Management And Monitoring - Lessons From Lutsinga Nerve Centre

Jacob Mamabolo | MEC | Gauteng Infrastructure Development

11:30 – 12:00 | WasteShark Aquadrone: Cleaning Our Oceans and Keeping the Environment Safe from plastic and Unwanted Waste

Richard Harding | Chief Executive Officer | Ranmarine Technology

12:00 – 12:30 | Emerging Use Applications: Sensors, Systems, and Satellites

Sihle Mayisela | Executive Manager: Business development, Marketing and Sales | Hensoldt Optronics

- Next Generation GIS & LIDAR technologies
- Core Image and Signal Processing Tools
- An Airborne Internet of Things
- Is the future of drones as pseudo-satellites?

12:30 – 13:00 | Drone Laws in South Africa: Understand the Legal Requirements for Drone Use

Simon Segwabe | Executive: Aviation Safety Operations | South African Civil Aviation Authority

13:00 – 14:00 | Lunch Break & Exhibition

14:00 – 14:30 | Counter Drone Solutions: Dictate, Identify and Neutralize

Speaker TBA

In the commercial industry, drones are commonplace, but what about when they're not welcomed around an airport, prison or stadium? This panel will discuss current counter-UAS (C-UAS) solutions, including the use of software to detect aerial intrusions and acoustic technology to pick up an incoming drone into a protected area. Learn about other countermeasures on the horizon and which technology is best to use and when.

14:30 – 15:00 | Breakout Session B

Breakout B1: Emergency Services Using Drones

Donovan Dauth | Chief Executive Officer | Idrones

Breakout B2:

Drones for Wildlife and Environment: How Drones are Emerging as a Valuable Conservation Tool

Dr Debbie Jewitt | Ecosystem Ecologist | Ezemvelo KZN Wildlife

Another area that shows great potential for the applications of drones and associated markets is wildlife research and management. As technology and industry continue to develop and the regulatory procedures begin to loosen, we anticipate an ever-widening range of applications to surface in this field. This presentation will attempt to explore possible applications of UAVs of all types and sizes to help meet the needs of today's wildlife biologists and managers and to delve into the limitations faced by those wishing to utilize UAVs in terms of costs, size, practicality in the field, regulations, etc.

15:00 – 15:30 | Afternoon Tea Break & Exhibition

15:30 – 16:00 | Breakout Session C

Breakout C1:

Drones in Construction: Perspectives and Practical Applications

Franz Fuls | Managing Director | Compact Aerial Services

Drones could soon be as commonly seen on construction sites as trucks and excavators, thanks to the many ways they can be used to help workers better monitor and capture the construction of a project from inception to completion. Construction sites around the world depend on inspections and surveys to obtain a comprehensive look of a build's progress, and to ensure that strict safety standards are being met in the process. With cutting-edge drone technology, operators can now easily and quickly perform inspections in a cost-effective and efficient way, while also keeping employees away from dangerous environments or situations.

Breakout C2:

Mining, Quarries and Aggregates Putting Drones to work

When it comes to optimising the management of your quarry or pit, accurate geospatial data is key. Today, no tool comes close to providing such data as efficiently, or as safely, as drones. Applications With a single automated flight, a drone can collect timely, geo-referenced imagery that is quickly transformed into a precise 3D copy of your site. Use this version to calculate volumes, perform site surveys, optimise traffic management, design road layouts and much more.

- Inventory Tracking
- Site Surveying
- Traffic Management
- Blast Planning
- Water Management

16:00 – 16:30 | Passenger Drone Reality: Challenges and Opportunities for Africa

Morris Mbetsa | Owner | Mbetsa Innovations Limited [Kenya]

16:30 | End of Day 1

08:00 – 08:30 | Registration

08:30 – 09:00 | Improving Asset Performance through Drone Thermography at Scale

- Understand why drone thermography is the most effective way to inspect your assets for upside performance potential at scale
- How can drone thermography data be integrated into the daily operation workflow effortlessly?
- Discover the large performance potential that assets already inspected have shown

09:00 – 09:30 | Drones in Infrastructure Inspection

In this session we will discuss use cases and real-world implementations for using drones in infrastructure inspection, including tunnels, bridges, roadways and railroads. Whether you are a drone service provider, bidding on a large-scale government contract, or flying for the Department of Transportation, you will learn what you need to know from an end-user's perspective for flying and inspecting essential infrastructure.

09:30 – 10:00 | Drone Air Corridor: Establishing Drone Routes and Advances in Drone Delivery – A Malawi Case Study

10:00 – 10:30 | Tea Break & Exhibition

10:30 – 11:00 | Film & Cinematography: What's New and Hot and How To Stand Out

Tammy Green | Co-Founder and Managing Partner | Big Bird

11:00 – 11:30 | Traffic Accident Investigation: Using Drones to assist in Serious and Complex Accident Investigations

This riveting session will look at how to utilize drone technology, otherwise known as Remotely Piloted Aircraft Systems (RPAS), for investigations and also offer a glimpse into pioneering new 3D modelling techniques on accident sites that is currently in use. Key learning areas will cover:

- Enhance current accident investigation techniques by using a range of drones with a wide array of sensors.
- Revolutionising how evidence gathering, analysis and relaying to the agencies involved in investigation, the public and the wider safety community is done
- Also pioneering new 3D modelling techniques in order to provide accurate, measureable 3D models of accident sites.

11:00 – 12:00 | Using Drones for Power Line Inspections and Stringing New Power Lines Using Drones

Jaco du Preez | CEO and Founder | Wipo-Wireless Power

Concerns over worker safety are helping to drive the adoption of drones in utility inspections to new heights. The issue of employee safety is historically a thorny one in South Africa where large mining and agricultural corporations were often admonished for caring little for the welfare of workers engaged in potentially hazardous occupations. Technology in the form of drones is helping to enhance the safety of employees inspecting power lines, mobile base stations and solar installations while boosting productivity at the same time. So much more can be achieved when maintenance workers don't have to physically climb onto structures to inspect them.

12:00 – 12:20 | Case Study 1:

Collision Tolerant Drone: Unleashing Elios for Complex, Cluttered or Indoor Spaces for Inspecting and Exploration of Inaccessible Places

Jan-Albert Viljoen | Africa Sales Representative | GammaTec

12:20 – 12:40 | Case Study 2:

Drone Eye in the Sky at Joburg Parks and Zoo: Monitoring Parks and Nature Reserves Remotely

Theo Bernhardt | Environmental GIS Specialist | Johannesburg City Parks

12:40 – 13:10 | Drones in Insurance: Assessing & Mitigating Risk using Drones

Speaker TBA | Discovery

13:10 – 14:00 | Lunch Break & Exhibition

14:00 – 14:45 | Blockchain Technology Revolutionising the Drone Industry

Amit Ganjoo | Chief Executive Officer | Anra Technologies [United States of America]

14:45 – 15:30 | Enabling BVLOS Flights Through Cellular Connectivity

Juan Plaza | Chief Executive Officer | Juan B Plaza Consulting [United States of America]

15:30 – 16:00 | Closing Tea Break & Exhibition

Contact Information

Ways To Register

Name Of Organisation:

Address:

Telephone Number:

Vat No.:

Purchase Order No.:

Call: +27 (0) 11 434 0491

Fax: +27 (0) 11 492 1918;

Fax2Email: 086 292 5497

Email: marketing@smart-link.co.za

Visit: www.smart-link.co.za

Registration Fees (Book & Pay to Enjoy Early Bird Discounts) *Tick One Option*

Students	Learning Institutions	Early Bird	Standard Price	Late Registration	Government/SOE
Book & Pay Between 01 June - 17 Oct 2018	Book & Pay Between 01 June - 17 Oct 2018	Book & Pay Between 01 June - 15 Aug 2018	Book & Pay Between 16 Aug - 12 Oct 2018	Book & Pay Between 13 Oct - 17 Oct 2018	Book & Pay Between 01 June - 17 Oct 2018
R 2 999.00 (Excl. VAT) <input type="checkbox"/>	R 5 999.00 (Excl. VAT) <input type="checkbox"/>	R 5 999.00 (Excl. VAT) <input type="checkbox"/>	R 6 999.00 (Excl. VAT) <input type="checkbox"/>	R 7 999.00 (Excl. VAT) <input type="checkbox"/>	R 5 999.00 (Excl. VAT) <input type="checkbox"/>

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1.Name:

Position:

Email:

2.Name:

Position:

Email:

3.Name:

Position:

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4.Name:

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