



NTS AVIATION SOLUTIONS

SAFE - COMPLIANT - EFFICIENT

Corporate Profile



About Ntsu Aviation Solutions

Ntsu Aviation Solutions (Pty) Ltd. provides specialized services to emerging and established Remotely Piloted Aircraft Systems (RPAS) operators and industry, applying innovative and engineered problem-solving techniques to deliver optimised solutions to future challenges.

Our Vision

To be the safety ambassadors of the RPAS industry by consistently and innovatively delivering professional and cost-effective solutions to the industry at large.

Our Mission

To harmonise the co-existence of RPAS systems and conventional aviation by enabling the equitable use of airspace and resources.

Our service delivery approach and principles are based on global trends and standards and conform to the practices emerging from International Civil Aviation Organisation and other civil aviation bodies.

Our Values

Safety
Integrity
Customer Commitment
Passion
Innovation
Open-Minded

For cost-effective, comprehensive and innovative RPAS solutions, contact us at: Ntsu Aviation Solutions (Pty) Ltd.

WHAT WE OFFER

All our services are tailor-made and client-specific ensuring complete applicability to the operation and/or client needs.

The following services are available to emerging and established RPAS operators:

1. Part 101 compliance
2. Attainment of the following SACAA Part 101 initial approvals/certificates;
 - RPAS Operators Certificate (ROC)
 - RPAS Certificate of Registration (C of R)
 - RPA Letter of Approval (RLA)
 - RPAS Maintenance Technician (RMT) Authorisation
 - RPAS Aviation Training Organisation (ATO) accreditation
 - RPAS Operations Manual including; Security, Safety and Quality Manuals

We assist clients who are partially compliant with SACAA Part 101 regulations in the following aspects;

3. Development, amendment and enhancement of the following documents, as applicable to ROC, RMO and/or ATO;
 - Operations Manual
 - Standard Operations Procedures (SOPs)
 - Safety Management System
 - Quality Management System
 - Operations Risks Assessment
 - Human Factors / Human in the System
 - RPAS Safety Assessment
 - Operations Specifications (Ops Spec) to include additional approvals.

The following specialized services are available to all stakeholders throughout the RPAS industry;

4. Distinctive services, including:
 - Operations Risk Assessment and Mitigation Strategies (for Beyond Visual Line of Sight – BVLOS operations)
 - RPAS Safety Assessment and Mitigation Strategies (for Beyond Visual Line of Sight – BVLOS operations)
 - Command and Control (C2) Safety Assessment (for Beyond Visual Line of Sight – BVLOS operations)
 - Human Factors (HF) assessment and Human in the System (HITS)
 - CAA audit preparation (initial and renewal)
 - Part 101 Regulations workshops (CARS and CATS)
 - Facilitation of RPAS operations in controlled airspace
 - Facilitation of the ROC and ATO application process

5. ICASA Type Approval and Airband Radio Licence

- Assistance with Type Approval process (for remote controller, drone etc.)
- Assistance with Airband radio licence

6. Training, education and awareness - within individual organizations and to the industry at large.

7. Regulation development and amendment for national aviation authorities.

8. Advisory services to RPAS users, clients, procurement departments, tender applicants as well as organizations bidding for tenders.

9. Foreign operator facilitation: assisting foreign RPAS operators to conduct RPAS operations legally within South Africa.

10. RPAS Operations Management, including ensuring the correct expertise and RPAS is used for the project.

Additional services in compliance of SACAA Part 101 regulations;

The following services are offered as part of the initial packages or as stand-alone products;

- RPA registration marking stickers and steel plates (for RLA purposes)
- Reflector jackets
- Safety Cones
- Landing mats
- Advisory boards and warning signage
- Fire extinguishers
- Complete first aid kits, as per SACAA Part 91

Please note that this list is not exhaustive. As a dynamic company operating in a continuously evolving environment, we will be glad to discuss and assist with any other requirement which may not be listed above.

Our service delivery approach and principles are based on global trends and standards and conform to the best practices emerging from the International Civil Aviation Organisation and other civil aviation bodies.

As passionate ambassadors of the Remotely Piloted Aircraft Systems (RPAS) community and zealous individuals who strive to harmonise the co-existence of RPAS and conventional aviation systems and equitable use of airspace and resources, **Sam Twala and Dale McErlean** co-founded NTSU AVIATION SOLUTIONS (PTY) LTD. An aviation company offering specialized services to the Remotely Piloted Aircraft Systems (RPAS) industry and Civil Aviation Authorities.



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