




NTS AVIATION SOLUTIONS

SAFE - COMPLIANT - EFFICIENT

# OUR TEAM





*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** 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.*

# OUR TEAM



## Mr. Sam Twala CO- FOUNDER DIRECTOR & MANAGING DIRECTOR

### Educational background

Sam Twala obtained his Bachelor's degree in Electronic Engineering from the University of Pretoria, South Africa, in 2009. As a passionate individual about aviation and Unmanned Aircraft System (UAS), he enrolled for a Postgraduate Diploma in Aviation offered by Singapore Aviation Academy in conjunction with Massey University in 2014. With focus on Remotely Piloted Aircraft Systems (RPAS) he graduated with merit as Master of Aviation from Massey University School Aviation in 2016.

### Professional Career and Experience

Sam began his professional career as an Engineer in Training in a high-tech military company. As a trainee, he gained experience in areas such as laser design, optical sensors and image processing, amongst others.

Sam joined the South African Civil Aviation Authority (SACAA) in 2011 as a certification engineer specialising in avionics. His responsibilities included evaluation and approval of design data for minor and major aircraft modifications, conducting type validation of foreign aircraft, initial approval of design organisations and renewal audits. Other duties included reviewing and amending regulations and technical standards. After two years in the certification engineering department, Sam joined the Unmanned Aircraft Systems (UAS) department as a "UAS specialist". Amongst others, responsibilities included development of the regulations and technical standards for RPAS, known as Part 101 today.

Sam served as a special adviser to the South African member of the International Civil Aviation Organisation (ICAO) Unmanned Aircraft System Study Group (UASSG) from May 2013 to July 2014. He also served as the South African member of the Joint Authorities for Rulemaking of Unmanned Systems (JARUS) from April 2013 to February 2016. In addition, Sam served as the ICAO panel member of the Remotely Piloted Aircraft Systems Panel (RPASP) since its inception in November 2014 until February 2016.

Sam left SACAA to join Air Traffic and Navigations Services (ATNS), where he worked as Senior Systems Engineer of Communications, Surveillance and Navigations (CNS) systems in the planning department from March 2016 until February 2018.

### Career Achievements

Sam Twala is a recipient of the European UVS International Catherine Fargeon award. This award, is presented to persons in recognition of their personal commitment & contribution to promoting the insertion of RPAS into non-segregated airspace and/or the general promotion of the future use of RPAS.



# Ms Mykaila Forte

## OPERATIONS COORDINATOR

### EDUCATIONAL BACKGROUND

Mykaila obtained her Marketing Diploma from IMM Institute of Marketing in 2010 followed by her Bachelor of Business Administration in Marketing in 2012. Her interest in education and working with people led her to complete her Postgraduate Certificate in Education in 2013. Finally in 2018, Mykaila attended the 'Human Factors' Course to better her understanding of psychology to enhance safety and reduce human error - primarily in the aviation sector.

In 2019, Mykaila has completed her Quality Assurance Auditor Course and Integrated Safety Officer Course.

### PROFESSIONAL CAREER AND EXPERIENCE

Mykaila became a part time tutor whilst studying and found she had a passion for working with people and education. Whilst finishing her degree, she worked as an Administrator handling documentation; data capture; internal and external communication; and staffing. The following year, whilst acquiring her Postgraduate Certificate in Education, she became an Educator in Accounting, Economics and Entrepreneurship.

In 2018, Mykaila joined NTSU Aviation and found her passion for Remotely Piloted Aircraft Systems (RPAS) and the technology surrounding it. She is dedicated and passionate about assisting in the acquisition of and preparation for all RPAS use cases and will stop at nothing to achieve the intended goal.



**GET IN TOUCH WITH US ON:**

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