

TROY E. TECHAU

(813) 766-2056

TROY@WINDROSEAVIATION.COM

Aviation Human Factors and Safety Management / Homeland Security / Biometrics

- Demonstrated executive leadership in civilian and military organizations
- Experienced intelligence leader; HUMINT, counterintelligence, and technical collection
- Exceptional communication and coalition building skills
- Developed national level biometric technology policy and programs
- Skilled aviation human factors and safety management researcher and leader
- Successfully led globally dispersed workforces and international projects
- Recognized leader for process and organizational optimization
- Proven aviation, intelligence, and security technology expertise

PROFESSIONAL EXPERIENCE

CEO

Windrose Aviation, LLC
St Cloud, FL

May 2011 – present

Founder and co-owner of a boutique consulting and aviation publishing company focused on support to general aviation and aviation research. Also doing business as 2020 Strategy, specializing in: strategic market planning; digital and social media; community, public, and media relations; competitive intelligence; branding, messaging, and positioning; product launch strategy and implementation.

President & CEO

Techau Security Group
St. Cloud, FL

May 2010 – June 2015

Led consulting company supporting projects for the Department of Defense and commercial industry. Focuses on intelligence operations and industrial applications of advanced technologies. Managed all business operations. Key accomplishments included:

- Opportunity capture for client, including identifying RFP, preparing response, developing technology integration strategy, and securing demonstration project funding.
- Program Manager for multi-phased classified information technology project to develop open source intelligence collection and analytical process for DoD.
- Established and led execution of extensive business development plan for technology manufacturing client resulting in exposure of client technology to all targeted DoD agencies, and continued engagement by sales team for ongoing sales cycle.

Vice President Government
Brijot Imaging, Inc.
Lake Mary, FL

January 2007 – March 2010

Led business development and government relations in defense, federal, and state government sector for Brijot, a security systems manufacturer. Supervised cross-functional team to identify, qualify, and pursue sales opportunities the USA as well as in select overseas markets. Supervised product installation and managed sales agents and channel partners for global sales and services.

- Created demonstration showing potential applications of company products to IED detection applications. Initiated and developed unsolicited proposal resulting in \$3.6 million contract award.
- Initiated and led an industry first government-industry working group to develop a testing specification for advanced imaging technology devices, resulting in dramatically improved relations with government customers and significantly increased sales opportunities.

Director, Biometrics Program (Lieutenant Colonel)
US Central Command (J2X)
MacDill AFB, FL

June 2004 – January 2007

Recognized as a visionary leader driving transformational changes to DoD intelligence operations and creation of multiple enduring programs with global impact. Developed initial Combatant Command components driving DoD strategy for operationalization of biometric technology to support combat operations, resulting in widespread identification of recidivist insurgents and IED-chain collaborators. Led development of comprehensive DoD biometric intelligence analysis programs and creation of new doctrine.

- Developed comprehensive biometric data collection and analysis strategy, applied to maritime interception, land security, and operational warfare missions.
- Wrote, coordinated, and published US CENTCOM Concept of Operations for Identity Dominance, the first-ever DoD operational strategy for the usage and development of biometric intelligence data systems, published as mandatory guidance for 27 country area of operations.
- Major contributor to coordination of biometric policy across DoD, the Intelligence Community, DHS, and other federal agencies, conducting operational planning meetings at international conferences and symposia, DoD Services, and with Secretary level officials.

Chief, HUMINT Operations Branch (J2X) (Lieutenant Colonel)
US Central Command (J2X)
MacDill AFB, FL

June 2003 – May 2004

Led mission focused support to combat operations in Iraq and Afghanistan. Coordinated human intelligence collection policy and operations using hands-on, focused leadership. Managed and created intelligence support methodology, traveling to combat theaters frequently to supervise program implementation, assess challenges and issues, and coordinate directly with supported combat leaders. Global impact on US and coalition human intelligence operational procedures.

Director of Intelligence (Major)
US Southern Command (J2X)
Comayagua, Honduras

June 2002 – June 2003

Senior Intelligence Officer for Joint Task Force Bravo, a deployed task force responsible for operations in Central America. Provided sensitive intelligence support to ongoing and planned contingency operations. Senior counterintelligence officer for area; coordinated and conducted regional investigative operations.

Operations Officer (Major)
2nd Battalion, 29th Infantry Regiment
Fort Benning, GA

June 1999 – November 2000

Planned and directed 24/7 operations of 550 instructors/support teams responsible for training weapons, explosives, and tactics to 3,000 students daily. Created sustainable management processes, coordination procedures, and oversight that resulted in significantly improved and safer operations. Supervised operations of U.S. Army Sniper School, U.S. Army Mortar School, and established Javelin Missile course.

EDUCATION

Doctorate of Philosophy in Aviation Safety/Human Factors	Embry-Riddle Aeronautical University
Master of Science - International Management	Troy State University
Bachelor of Science – Psychology	Iowa State University

Command and General Staff College	US Army Command and General Staff College
Military Operations Training Course	Defense Intelligence Agency
Air Assault School	US Army
Counterintelligence Special Agent Course	US Army
Advanced Infantry Officer Course	US Army
Basic Infantry Officer Course	US Army
Airborne School	US Army

SERVICE

Volunteer Young Eagles Pilot **2011 - Present**
Experimental Aircraft Association (EAA Chapter 1178)

Charter Board Member **2017 - Present**
United Cerebral Palsy of Central Florida

PROFESSIONAL MEMBERSHIPS

American Society of Safety Engineers (ASSE)
Institute of Electrical and Electronics Engineers (IEEE)
Aircraft Owners and Pilots Association (AOPA)

CERTIFICATIONS

Instrument Pilot
Commercial Pilot Certificate
Assistant Professor of Military Science
Special Agent, DoD Intelligence

Federal Aviation Administration
Federal Aviation Administration
Iowa State University
US Army

SECURITY CLEARANCE

Top Secret Special Background Investigation

US Government

PROFESSIONAL PUBLICATIONS / SPEAKING ENGAGEMENTS

Techau, T. (2017, August). What factors affect general aviation pilot adoption of electronic flight bags? In C. Anderson (Moderator), *Advances in flight training*. Panel conducted at the National Training Aviation Symposium, Daytona, FL.

Hampton, S., Truong, D., Byrnes, K., & **Techau, T.** (2017). Pilot training metrics at a part 141 university training program. In *17th AIAA Aviation Technology, Integration, and Operations Conference, 2017*. Retrieved from <https://arc-aiaa-org.ezproxy.libproxy.db.erau.edu/doi/10.2514/6.2017-3087>

Techau, T. (2015, May). *Understanding the effects of resistance to change on the advent of UAS*. Presentation at AUVSI Unmanned Systems 2015, Atlanta, GA.

Techau, T. (2011). *Aircraft flight / Maintenance status logbook*. Tampa, FL: Windrose Aviation

Techau, T., Strawser, D. (2010, April). The new detectives. *Security Products Magazine*.

Techau, T. (2009, April). *Fully portable screening solution to revolutionize security checkpoints - Brijot's mobilescan*. Presentation at MMwave/THz Security Systems for Government and Commercial Applications Conference, Herndon, VA.

Techau, T. (2008, October). *Passive millimeter wave full body imaging*. Presentation at MMwave/THz Security Systems for Critical Infrastructure & Mass Transport Conference, Tours, France.

Techau, T. (2006). *Concept of operations for identity dominance* (US Department of Defense, US Central Command). Tampa, FL: US Central Command.

Techau, T. (2006, September). *Identity dominance: Enhancing military operations using biometric technologies*. Presentation at Biometrics Consortium Conference, Baltimore, MD.