

PRESS RELEASE

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Adacel Showcases Next-Generation Combat-Focused ATC Training at AFA's Air, Space & Cyber Conference

Adacel is proud to announce the launch of its next-generation combat-focused air traffic control (ATC) training capability, purpose-built to prepare military operators for the challenges of modern contested airspace. Leveraging its proven MaxSim simulation platform, Adacel delivers unprecedented mission realism to strengthen readiness for joint and coalition operations worldwide. This new capability is set to be demonstrated at the Air & Space Forces Association's (AFA) upcoming [Air, Space & Cyber Conference](#).

The new system integrates **advanced speech recognition, dynamic 4K image generation, and immersive wearables** to replicate austere landing zones, expeditionary airfields, forward-operating bases, and mobile command-and-control environments. This capability provides a **realistic, adaptive training environment** where controllers can safely rehearse tactical airspace management and counter-unmanned aerial systems (C-sUAS) scenarios.

Key military-focused capabilities of the new system include:

- **Combat Simulation Framework** – Replicates tactical airspace operations and management fundamentals while supporting multi-domain, joint-force integration.
- **AI-Driven Speech Interaction** – Enables real-time communication under combat stress conditions with AI-driven controllers.
- **Dynamic Visual Realism** – Mission-adaptive 4K visuals that evolve with terrain, weather, and threat conditions.
- **Immersive Wearables** – Virtual and mixed reality training for tower, landing zone, and mobile command and control operations.
- **Geospatial Fidelity** – Real-world topographical and imagery data to support operationally accurate rehearsal and timing.

“At Adacel, we are committed to continuously advancing training solutions that prepare operators for the future fight,” said Michael Saunders, Vice President at Adacel. “By combining MaxSim’s proven capabilities with combat-focused innovation, we’re helping the next generation of military controllers gain the confidence and adaptability required to manage contested airspace in today’s most demanding environments,” said Mike Saunders, Vice President, Adacel.

Adacel will showcase this next-generation capability at the upcoming Air, Space & Cyber Conference, September 15–17, 2025, in National Harbor, Maryland.

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About Adacel

Established in 1987, Adacel plays a significant role in global airspace safety. A world leader in its industry, Adacel applies cutting-edge technologies to develop advanced air traffic control (ATC) simulation and training systems and state-of-the-art air traffic management (ATM) solutions. Adacel's customers include international air navigation service providers (ANSPs), airport authorities, universities, and military, defense and security organizations.

More than 20% of the world's airspace is managed with Adacel's Aurora ATM software. MaxSim, Adacel's Tower and Radar Simulator training systems lead the industry with the highest number of installations worldwide. MaxSim is also the first ATC simulation system in the world to deliver virtual and mixed reality training capabilities into the classroom. Adacel's latest flagship system, REVAL, Adacel's virtual tower system, delivers a wide spectrum of digital tower operational solutions, from consulting services to system design, development, deployment, and support. For more information, please visit www.adacel.com.

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