



UFA, INC.

AIR TRAFFIC SIMULATION AND VOICE TECHNOLOGIES

UFA, Inc. Launches Cutting-Edge VR Air Traffic Control System at Incirlik Air Base, Turkey

Burlington, MA, March 11, 2024 – In a groundbreaking move towards modernization and enhanced training effectiveness, the U.S. Air Force, in partnership with UFA Inc., has taken the leap forward to procure its inaugural virtual reality (VR) air traffic control simulation system at Incirlik Air Base, Turkey, using UFA’s ATVR. This pioneering endeavor, delivered in December of 2023, marks a significant leap forward in leveraging innovative technology to enhance operational readiness, modernize the force, and ensure the highest standards of safety and efficiency in air traffic control.

Amidst the dynamic landscape of modern warfare and the evolving complexities of global security, the imperative for advanced training methods has never been more pronounced. Recognizing this imperative, the dedicated team of the 39th Operations Support Squadron has embraced the transformative potential of virtual reality to revolutionize air traffic control training. The deployment of the VR simulation system at Incirlik Air Base signifies a strategic commitment to provide personnel with innovative tools that replicate real-world scenarios with unprecedented fidelity.

At the heart of this innovation lies an immersive learning experience that transcends traditional training paradigms and the status quo. By harnessing the power of VR technology, air traffic controllers can now immerse themselves in life-like environments, complete with realistic aircraft dynamics, weather conditions, and operational challenges. Moreover, the VR simulation system offers a scalable and cost-effective solution to training requirements, enabling personnel to undergo recurrent training exercises without the logistical constraints associated with live operations or complex and labor-intensive systems of the past. With the ability to replicate diverse scenarios ranging from routine air traffic management to high-stakes emergency situations, the system empowers controllers to hone their skills in a risk-free virtual environment.

Furthermore, this delivery also included the first-ever delivery of an ATLIVE multi-touch control tower simulator in the U.S. Air Forces Europe Major Command. Paired with the ATVR system, or operating independently based on the training team’s needs, the ATLIVE system provides an immersive training experience for the trainee to Learn, Interact, Visualize, and Experience air traffic operations in a fully engaging 3-D environment fully controlled at the tip of their fingers or through UFA’s industry leading voice recognition and response system, ATVoice.

“I am overly thrilled to have taken part in the very first ATVR delivery at Incirlik Air Base,” said Adam Schill, Project Manager. “At UFA, we all understand the importance of meeting our specific customers’ needs through innovative technological solutions in a highly demanding and critical career field. Getting the latest products in the hands of our USAF Airmen for them to train the next generation of air traffic controllers is something we all take immense pride in providing.”

Looking ahead, the integration of virtual reality technologies into air traffic control training represents just the beginning of a broader modernization requirement within the USAF. As advancements in artificial intelligence, augmented reality, and data analytics continue to reshape the operational landscape, UFA Inc., remains committed to staying at the forefront of technological innovation, ensuring that it provides the tools and solutions necessary to meet our customer's unique mission requirements.

The delivery of the USAF's first-ever virtual reality air traffic control simulation system to Incirlik Air Base heralds a new era of training effectiveness and operational readiness for every Airman that will pass through this assignment. Through the convergence of innovation, modernization, and strategic foresight, the Airmen of the 39th Operations Support Squadron have laid the foundation for a more agile, adaptive, and capable force poised to meet tomorrow's challenges with training solutions to match.

About UFA, Inc.

Headquartered in Burlington, MA, UFA, Inc. is the world's premier developer of air traffic control simulation systems. For over four decades, UFA has provided versatile controller training and research tools to leading ANSPs, military organizations, universities, and airports. UFA's dedication to innovation, excellence, and customer satisfaction has made it a global leader in the field of air traffic control simulation. The company also operates wholly owned subsidiaries in Germany, Canada, and Singapore.

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