STATE-OF-THE-ART AIR TRAFFIC CONTROL SIMULATION AND TRAINING SYSTEM.

MaxSim is the air traffic control simulator training trusted by the FAA, NASA, the US Air Force, U.S. Department of Defense (DoD), FAA Collegiate Training Initiative (CTI) schools, civil airport authorities of Australia, Austria, Italy, Saudi Arabia, many countries in the Caribbean along with others around the world, including foreign military departments in Mexico, Saudi Arabia, Australia and more.

![MaxSim - Air Traffic Control Simulation logo]

COMPETITIVE ADVANTAGES

SIMULATION REALISM FOR AN ENHANCED TRAINING EXPERIENCE

Using 3D high-fidelity images with multiple views, the simulator accurately emulates real-world ATM systems: enroute, domestic and international automated radar system displays, electronic flight strips, flight plan lists, Airport Surface Detection Equipment display and runway conflict alert, wind shear alert, runway visual range and value alert, Automatic Dependent Surveillance Broadcast and Contract (ADS-B&C), Controller-Pilot Data Link Communication (CPDLC), and more. MaxSim ATC simulator and its subsystems are fully and seamlessly integrated and interoperable.

MaxSim accurately emulates real-world ATM systems: enroute, domestic and international automated radar system displays .

You can scale and configure MaxSim for a 360-degree set-up or use it from a desktop or mobile system, which makes the simulator quite affordable.

VERSATILE USE

MaxSim's database features over 400 airports and over 1,700 aircraft. The operating modes range from single-student running the training simulation to employing pseudo-pilot controls or full-facility simulation training. A single student can train independently, with the system operating aircraft flights, additional automated controllers, and pilot communications by using Lexix -Adacel's proprietary voice recognition system. At the same time, MaxSim can be configured to simulate training positions for the entire staff, including real-life-like air traffic control communication training between controllers and personnel in adjacent facilities. You can replicate any airport or airspace, any military or civilian aircraft, including heavy, mainliner, fighter, corporate, general aviation, experimental/ ultralight fixed-wing, reciprocal, rotorcraft, and VSTOL, or any flight operation (off-nominal conditions, special operations, military, and emergency procedures). You can scale and configure MaxSim for a 360-degree set-up or use it from a desktop or mobile system, which makes the simulator quite affordable. With MaxSim, you can also simulate the entire flight operations life cycle.

![ADACEL logo] **adacel.com**

EASE OF USE

Despite MaxSim's complex design and extensive capabilities, the simulator is amazingly easy to use. You have an intuitive and well-structured scenario development, the option of various modes of flight operations. You can create shortcuts and macro commands and can quickly change the simulation environment by altering events, weather, and air traffic. In addition, with the Windows-based graphic user interface and pseudo-pilot desktops, you can easily monitor and control the pace of training sessions. One student alone can run comprehensive and complex training simulations. And MaxSim's operating positions' equipment, displays, and controls mirror real-world environment. You will train like you are in control.

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HIGH ACCURACY

MaxSim delivers photo-like quality representation of the airport environment, real-world aircraft characteristics, including flight envelopes, precise airport and airspace elevations, distances and dimensions along with accurate airport surface terrain, world-leading aviation speech recognition and speech generation system. This simulator is used by FAA-certified colleges to train air traffic controllers. The U.S. government and military agencies use it to develop new procedures, conduct aviation hazard analysis and operational investigations.

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ENHANCED TRAINING AND MONITORING WITH RECORD & PLAYBACK AND RECORD-KEEPING CAPABILITIES

Among its other impressive capabilities, MaxSim simulator can record and playback any lessons, and the student sign-on and progress are automatically tracked. The trainer can easily filter and export simulation training results by simulator usage, scenario run, or student participation.

MaxSim delivers impressive tracking and time-saving performance.

SO WHY CHOOSE MAXSIM?

With MaxSim, you can quickly create training simulations to specifically meet the student's training objectives. Using MaxSim significantly reduces training program times when compared to non-simulator supported programs. As a trainer, you have complete control of the training pace or level of complexity and can easily record simulator usage and student performance. At any time, you can adjust training conditions and training personnel. And any real-world operations and procedures are faithfully simulated. Seasoned controllers report total virtual immersion within minutes of interaction in the simulator's environment, making the transition to the real-life ATM environment a breeze. The system delivers an impressive 99% availability, meets or exceeds Industry MTBF and MTTF rates, and is backed by Adacel's customer support.

The support has been very, very good. I would say excellent. The response time is really quick. For any issues that we bring up, a ticket is generated and the issue is worked on until it's resolved. So we are very happy with our customer support, definitely.

Duncan van Heyningen
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We are here to help. Contact us: info@adacel.com

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