

ADACEL CUSTOMER TESTIMONIAL



Austro Control



“We considered products for a number of vendors, but we chose Adacel’s MaxSim because it provided all the visual and training functionality we were looking for. With MaxSim’s simulator scenario preparation tools, realistic environmental effects and true-to-life visuals, it totally immerses the user in an ATC environment, making for very effective training.”

–Johann Zemsky, COO Austro Control

SOLUTION SUMMARY

Industry

Civil Aviation

The Challenge

Upgrade legacy air traffic control (ATC) simulation system to one that is modern, feature-rich and to one that encompasses both radar and tower capabilities

The Solution

The Adacel 360-degree MaxSim Tower with integrated Radar

About Austro Control

Austro Control is responsible for the safety in Austrian airspace. From engine start to the moment an aircraft leaves or enters Austrian airspace, Austro Control’s air traffic controllers are responsible for the free flow, punctuality, safety and air traffic efficiency of all air movements. With over 820,000 instructional flight movements in 2002, Austro Control’s team of 300 air traffic controllers are supported by the latest technology enabling them to effectively guide aircraft to the right runway and to make sure that no other aircraft ever gets too close.

Situation

With the implementation of Europe’s new air traffic control training procedures, Austro Control decided the time was right to replace its legacy ATS Aerospace simulators (Adacel purchased ATS Aerospace in 1995) with a simulation system that would encompass both radar and tower functionalities and take into consideration the latest practices and procedures in ATC. According Friedrich Jaksch, Austro Control’s ATC Training Simulation Manager at the Austro Control Academy, the organization was looking for a system that could leverage the existing knowledge base of the users and provide a single and powerful source of educational training. Austro Control needed an ATC system that is able to effectively teach basic to advanced ATC students, as well as one that would encompass high-end continuation and emergency training for licensed air traffic control operators (ATCO’s). Additionally, Austro Control needed a system that would allow for the test and training of new procedures. When Austro Control began investigating alternatives that would allow them to attain their ATC training goals, Jaksch states; “With previous Adacel products, we had such a positive experience that when it was time for an upgrade to a more accurate and true-to-life system, we once again chose Adacel.”



Integrated Solution

Adacel's MaxSim provides Austro Control with an integrated solution that meets their ATC simulation training needs. Users can now train on equipment that is modern and has true-to-life visuals. Austro Control can now effectively and realistically manage air traffic with flexible aircraft performance databases that allow differing performance capabilities for the same aircraft type. All users can now benefit from multiple visual scene eye points i.e.: binocular view with zoom and auto track; pilot eye, look down, free movement and target view that easily bring the user into the environment. With the increasing changes in Europe's ATC procedures, Austro Control required to enhance its training capability, "Adacel has provided us with the functionality we were looking for, plus the kind of customer service we wanted," says Jaksch.

MaxSim serves the varying needs of Austro Control's users from basic training, to advanced simulation for on-the-job training, Adacel provides a centralized simulation system for all of Austro Control's training needs.

"We are extremely impressed and pleased with our MaxSim product," says Jaksch. "The scenario preparation tools alone have made a huge difference for us, the system is easy to manage and the scene eye-points have been a plus for our users. Now, with the integrated radar and tower training capabilities, we can provide our users with a complete training solution."

Feature-Rich Applications

Austro Control's users now have a system that is equipped with Adacel's environmental sound effects and highly realistic weather simulation including hail, cloud cover, and snow squalls bringing the necessary modern realism to the air traffic control users.

"Working with the MaxSim, we are confident that we are more better prepared for a variety of ATC situations," says Jaksch.

"We are very pleased with our investment in Adacel's MaxSim simulator, the system delivers feature rich simulation scenarios and provides scalability, support and realistic visuals that are demanded by today's air traffic controllers. MaxSim's this inherent flexibility makes upgrades a simple matter of adding on modules. As a result, MaxSim can be configured in a rational and modular way to meet the needs of any civil and/or military operation.

Future Upgrades/Implementations

Adacel's SimCare, an industry leading extended software warranty program, protects Austro Control's MaxSim product. According to Jaksch, "Now that we have the MaxSim in place, we are keen to explore other applications that can increase productivity, effectiveness and preparedness of our air traffic controllers. We are very interested in additional visual databases, as well as implementing Adacel's voice recognition option to further enhance the effectiveness and realism of our trainees," says Jaksch. "MaxSim brings a level of realism unlike anything else to our users. MaxSim has better prepared our users for this high-stress level career, voice recognition can only better prepare them," concludes Jaksch.

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