

ADACEL CUSTOMER TESTIMONIAL



HungaroControl



“Adacel’s state-of-the-art radar is second to none. After a lengthy selection process, it became increasingly clear that Adacel’s flexible and cost-effective radar solution was the best choice. It satisfies a multitude of different ATC training needs, including domestic, international, civil and military customers.” – László Papp, Head of Simulator, HungaroControl

SOLUTION SUMMARY

Customer

HungaroControl

Industry

Air Navigation Service Provider

The Challenge

Deliver an air traffic control radar system that offers procedural and 2D tower simulation courses as well as a regular radar controller course

The Solution

The Adacel MaxSim deployed complete with voice communications and 2D tower training capability

About Hungaro Control

Founded in January 2001 as the successor of the Air Traffic and Airport Administration, HungaroControl, Hungarian Air Navigation Services, is an independent organization that provides integrated (civil and military) simulation service to international clients. HungaroControl’s mission is to provide comprehensive air navigation services to satisfy the aviation customer through knowledge, reliability and efficiency in operations.

HungaroControl’s primary task is to provide air traffic control service, flight information service and search and rescue services within the boundary of Budapest Flight Information Region (FIR), which coincides with the geographical extent of Hungary. In addition to the operational tasks, HungaroControl also trains professional staff in subjects related to civil aviation. ATC personnel and staff can receive a full theoretical and practical training at the HungaroControl Civil Aviation Training Center at Budapest Ferihegy Airport.

The Challenge

Hungary, the geographical mid-section of continental Europe, is located at the crossroads of the European air route network, where the mostly congested ATS routes lead from Northwest to Southeast and beyond – towards the Middle East – and vice versa. Consequently, Budapest FIR is one of the most complex and busiest ATC environments of the region, having more than 430,000 safely controlled IFR movements to its credit in a year.

HungaroControl has over 700 employees working to ensure the uninterrupted safety of flight operations. On average, air traffic controllers control 1800 aircraft from the Budapest Air Traffic Control



center and from the Aerodrome Control Tower. In order to ensure that the air traffic controllers have the most up-to-date radar simulations training, HungaroControl needed to implement a comprehensive radar simulation training program.

Upon the recommendation of the Austrian Air Traffic Controller Authority, who was familiar with Adacel products, HungaroControl took a closer look at the Adacel radar solution to see whether it met their specific simulation requirements. HungaroControl wanted a training solution that was cost-effective and flexible. One that was scalable for future growth and one that incorporated voice recognition, radar and tower training. Additionally, HungaroControl wanted a manufacturer that could provide the level of customer service that they needed.

Before installing Adacel's product, HungaroControl's legacy simulator consisted of 8 operational working positions and 12 pseudo pilot positions. The voice communications system was non-digital, allowing for only one-way communications. Adacel was able to provide HungaroControl with a voice communications system that encompasses both radar and tower training, allowing the users to train in a realistic environment.

Adacel's MaxSim met HungaroControl's requirements and was more than able to provide the level of service and support that they required. The successful deployment of the MaxSim allowed for the standardization of HungaroControl's annual training courses that provide simulation opportunities for Ab-Initio training conversion, emergency courses and experimental simulations for new sectorization, new rate structure or new procedures.

Adacel's MaxSim has become the mainstay to handle HungaroControl's radar training operations. The successful initial deployment allowed for the standardization on MaxSim for all of their simulation needs. Today, HungaroControl has evolved its radar simulation training for clients such as the Danish Military Refresher course, an Icelandic Ab-Initio course, and Kosovar APP conversion course, etc.

Success Fuels Growth

As mentioned, HungaroControl had specific requirements that needed to be addressed. According to László Papp, HungaroControl Head of Simulation, the implementation of Adacel's solutions has enabled HungaroControl to satisfy their needs. "Adacel's state-of-the-art radar is flexible, easy to operate and is user friendly. It satisfies a multitude of different needs, including domestic, international, civil and military customers."

Generating Business Benefits

HungaroControl is very satisfied with MaxSim's return on investment. The cost of using Adacel's equipment to train their controllers and the controllers of their clients, has translated into increased 3rd party revenue and customer usage. Using MaxSim, in conjunction with Adacel's SimCare support program, HungaroControl has achieved an immediate improvement in student throughput and they have realized system availability in an excess of 99%. "With MaxSim we are now able to effectively satisfy our growing customer base", said Papp.

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