

ARCS



Advanced Ramp Control Solution helps optimize ground handling processes and makes service registration simple and fast

Intelligent Turnaround Management

Inefficient turnarounds greatly diminish airport capacity. To improve the predictability and effectiveness of these processes, airports can change perspective and deploy the video-based Logipix Advanced Ramp Control Solution. This module is a complex, video-based solution that helps register and record ground handling processes, as well as export statistical data that assist in organizing tasks around airplanes. Operators can survey the entire apron area and track the occupancy of all airplane stands using real-time interactive functions.

How can you benefit by using ARCS?

- The solution was designed to facilitate and improve the process of ground handling service registration.
- It delivers high-resolution live videos on all ground handling services even in different angles.
- The system provides real-time feedback on the progress of turnarounds and helps manage delays.
- It can make turnaround processes more secure and better organized.
- Far less personnel is needed to manage multiple turnarounds simultaneously and keep all services on track.
- It supports predictable operations across the horizons of pre-tactical, tactical and ad-hoc decisions by providing information on actual service times and by analyzing the causes of turnaround bottlenecks.
- The solution provides information for effective KPI calculations.
- Due to the recordings, all turnarounds can be reviewed when needed, for instance in case of incident investigation.

Monitoring technology that you can rely on

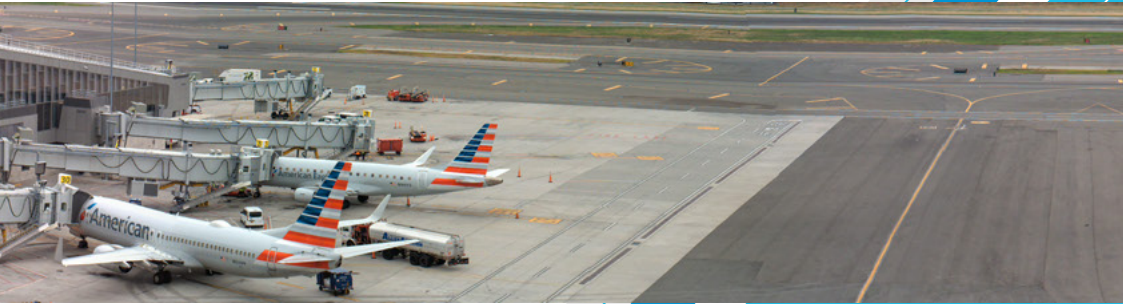
20-300 MP resolution Logipix sensors make every turnaround processes visible for operators. Relying mostly on non-visual information is over now, as our strategically positioned high-resolution cameras provide real-time video streams that show what is happening around the airplanes. Operators can zoom in on any detail to check if processes perform according to regulations. They use an interactive interface with dynamic time schedules to monitor the progress of the daily turnarounds and register the services whether in real-time or in historical mode. All delays generate warnings, therefore operators can act to avoid serious time conflicts.

Manual and VCA assisted operation modes

The Advanced Ramp Control Solution is available in two versions. The first one basically requires full manual operator activity. The second one is an extended version, where AI-powered Video Content Analysis assists the registration of some operations. The Logipix VCA can detect the presence and classify different objects. It can accurately track the motion of airplanes and various ground equipments. Depending on the applied resolution and chosen point of view the algorithms can detect even complex processes.

The Logipix Advanced Ramp Control Solution combines state-of-the-art video monitoring technology, smart integration and specially designed software to boost the efficiency of turnarounds.





ABOUT LOGIPIX

Logipix is among the most innovative technological companies in the world, developing and manufacturing smart video monitoring solutions specifically for large-scale projects and wide areas. Our company is deeply engaged with the constant research and development to provide complete, intelligent systems using the latest microelectronic and computer technology available, while considering the specific characteristics of different application areas. With many years of experience improving some of the largest and busiest airports around the globe, Logipix can be your trusted company, who contributes to create safer, sustainable and more efficient environments at your airside.