

THE PORT AUTHORITY OF NEW YORK & NEW JERSEY

Project Dates

January 2000 – Present

Contact

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ASOCS Mobile:

This mobile, GIS focused, device independent application provides a robust method to enhance the collection of data in the field on-line (network connected) or off-line. The application uses a GIS method of data entry which concentrates on airfield assets, discrepancies and inspection findings. With ASOCS Mobile, airfield inspectors can view airport assets in a GPS location-sensitive manner, and issue work requests to airfield maintenance regarding any discrepancies which may need to be addressed.

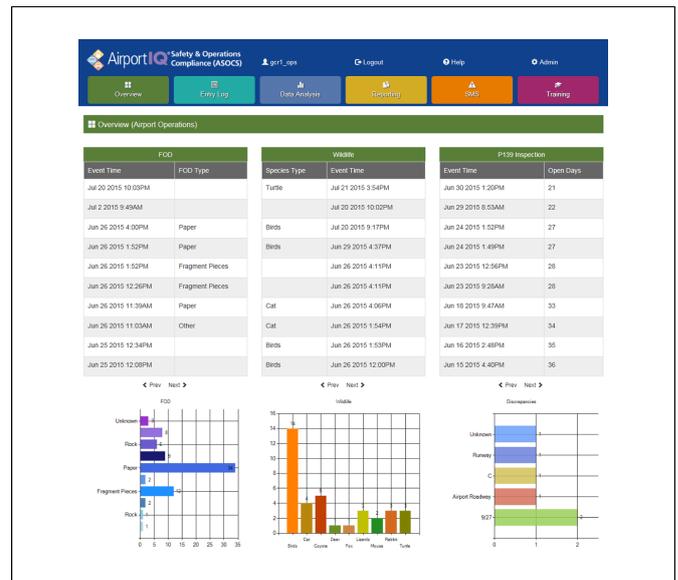
Quick Facts

- Installed January 2000
- Was the first ASOCS installation
- Upgraded in 2011 to include Wildlife Reporting and GPS
- Hundreds of users in 3 major airports

Computerised Airport Logging System (CALS)

The Port Authority of New York and New Jersey (PANYNJ) is a joint venture between the U.S. states of New York and New Jersey. The Port Authority oversees much of the regional transportation infrastructure within the geographical jurisdiction of the Port of New York and New Jersey including LaGuardia Airport, John F. Kennedy International Airport, Newark Liberty International Airport, Teterboro Airport, Stewart International Airport and Atlantic City International Airport.

GCR has worked with the PANYNJ since 2000 when we developed the Computerized Airport Log System (CALS) for use by the Operations Department of the three major Port Authority airports (LaGuardia, John F. Kennedy, and Newark). CALS documents all airport inspections, manages the Part 139 compliance process, documents calls for service, issues NOTAMs, and stores operational and activity data for the facilities. The program is used on a 24-hour-a-day basis, and serves as the official and legal log of activities occurring at the airports. CALS also includes a Geographic Information System (GIS)



ASOCS Screen shot on operational output.

data application that can map the location of any activity tracked in the system. Users can insert and manipulate layers of information, render maps on data elements in any layer, and query data within the GIS module.

In 2011, GCR upgraded the system to include a Wildlife Reporting Module and Global Positioning capabilities. The GIS Mapping

Module generates maps of wildlife event locations, integrates with the USB/Bluetooth Global Positioning system (GPS) within CALS mapping module, and generates a summary map showing wildlife event point(s) saved during a period of time.

COMPLETION

The PANYNJ were the first users of the ASOCS system starting in January of 2000. They recently upgraded from a client server version of the application to the web version. Each airport uses the system as the primary FAR Part 139 inspection and reporting tool for compliance. In addition each airport uses the application in multiple departments as the primary tool for electronic recordkeeping. The Wildlife Unit uses the application solely for tracking the authority's wildlife program.