

# THRIVE AS A LEADING AIRPORT WITH SMART TECHNOLOGY

Turn to the power of a location intelligence strategy to be a leading airport





# GAIN A COMPETITIVE ADVANTAGE WITH ESRI

Airport managers find themselves at the center of a rapidly changing storm. Between growing passenger volumes, a dynamic regulatory environment, maintenance and expansion of aging infrastructure, increased security concerns, and the constant need to grow revenues, the considerations of airport management can be staggering. That is why smart airports are turning to the power of information and a location intelligence strategy to inform better decision-making. Geographic information system (GIS) technology allows airport managers to bring information together from across their organizations to improve operations; performance; and ultimately, their bottom line.

This industry perspective will focus on the ways you can maximize your revenue and improve overall performance by

- Controlling your real-time operations.
- Better managing your infrastructure.
- Delivering a remarkable customer experience.
- Strategically managing your properties.
- Enhancing safety and security.
- Complying with the latest regulations

**Observations Count - Total**

474

Last update: a few seconds ago

**Observations Status Count - MTD**

Open: 75 (67.4%)

Last update: a few seconds ago

**Observations by Type - YTD**

Last update: a few seconds ago

**Open Observations**

Date	Status
13/7/2018	Open Paint
13/7/2018	Open Paint
13/7/2018	Open Paint
13/7/2018	Open Paint

Last update: a few seconds ago

**In Progress Observations**

Date	Status
7/6/2018	In Progress PavementCondition
7/6/2018	In Progress PavementCondition
31/5/2018	In Progress Paint
23/5/2018	In Progress PavementCondition
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Last update: a few seconds ago

**Closed Observations**

Date	Status
1/6/2018	Closed Paint
31/5/2018	Closed PavementCondition
31/5/2018	Closed PavementCondition
24/5/2018	Closed PavementCondition
23/5/2018	Closed PavementCondition

Last update: a few seconds ago

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# CONTROL REAL-TIME OPERATIONS

Increased passenger traffic strains any airport. Between the need to manage the effects of flight delays, inclement weather, and other external events, today's operations managers rely on continuously updated aircraft and passenger flow data to make better, quicker decisions and keep the airport running at peak performance.

With GIS, information is shared in real time. A common view of airport operations lets managers query information in one location; share that information with other departments; and make important, agile operational decisions on the fly. Whether trying to determine the gates available for a late arrival, tracking the progress of snowplows, or monitoring the progress of maintenance crews and work orders, Esri's GIS platform gives managers access to the latest information to enhance their airport's performance.

# GENEVA AIRPORT

“But what I can do is prove to you that we’re more efficient, we’re responding quicker, and that we’re basically optimizing our resources through the fact that we have all these different entities . . . sitting together in a single location.”

**Thomas Romig**

Head Operations Control and Development, Geneva Airport



To learn more visit, [go.esri.com/Geneva-Saves](https://go.esri.com/Geneva-Saves)



# BETTER MANAGE YOUR INFRASTRUCTURE

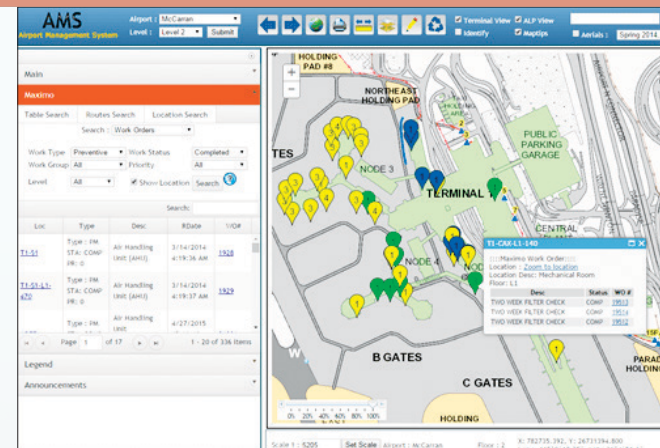
Modern aviation is synonymous with substantial infrastructure investments. To ensure performance and long-term viability, GIS technology is used to oversee everything from airfield inspections and pavement management to terminal work orders and runway signage. It helps airports control costs and optimize asset performance, preserving and prolonging the life cycle of their most valuable assets. Get more from your infrastructure with Esri.

# LAS VEGAS MCCARRAN AIRPORT

"The idea behind AMS [Airport Management System] is to put everything we know about our facility and related data in a single, easy-to-use application... Since this application would be used by most of the airport staff, it was critical for us to keep the interface simple with intuitive search criteria."

**Majed Khater**

ERP-GIS Team Director at McCarran International Airport, Las Vegas



To learn more visit, [go.esri.com/Las-Vegas-McCarran-Airport](http://go.esri.com/Las-Vegas-McCarran-Airport)



# DELIVER A REMARKABLE CUSTOMER EXPERIENCE

A location strategy allows you to understand your customer base and passengers' travel requirements and patterns. Real-time information empowers you to create a personalized and positive passenger experience to make your airport a destination of its own.

With GIS, you can track passenger movement, push location-based notifications to individuals, and ensure their timely arrival at their gate. Guide customers to their gate while also capitalizing on their retail and concession potential.

# LOS ANGELES INTERNATIONAL AIRPORT

Major upgrades coming to Los Angeles International Airport (LAX) include significant terminal renovations, a midfield satellite terminal concourse, and a new central terminal area that will consist of streamlined passenger processing, updated utility plants, an intermodal transportation facility, an automated people mover system, and a consolidated rental car center.

"Right now, we have about 130 different projects going on at the airport and anticipate another 80 to 90 in the future," said Don Chinery, the program controls manager for Los Angeles

World Airports (LAWA). This ranges from a new terminal to improving a tenant facility within a terminal.

Central to managing the multiple construction projects at the airport is Coordination and Logistics Management (CALM), a Microsoft SharePoint-based GIS integrated with Oracle's Primavera P6 solution for project management.

"Because of the large number of projects we are involved in at any one time, CALM also represents our mission statement: 'Minimizing construction-related impacts to passengers and tenants while maintaining a positive guest experience,'" said Chinery.

To learn more visit, [go.esri.com/Los-Angeles-Airport](https://go.esri.com/Los-Angeles-Airport)





# ENHANCE SAFETY AND SECURITY

Protecting the safety and security of your passengers and facilities is the top priority. Let GIS technology do the heavy lifting.

Increase airport security and improve your response with real-time situational awareness. ArcGIS integrates your sensor and surveillance feeds while giving you access to all your control systems for a comprehensive operational picture. Trust your intelligence so your passengers can trust you.

# ATLANTA INTERNATIONAL AIRPORT

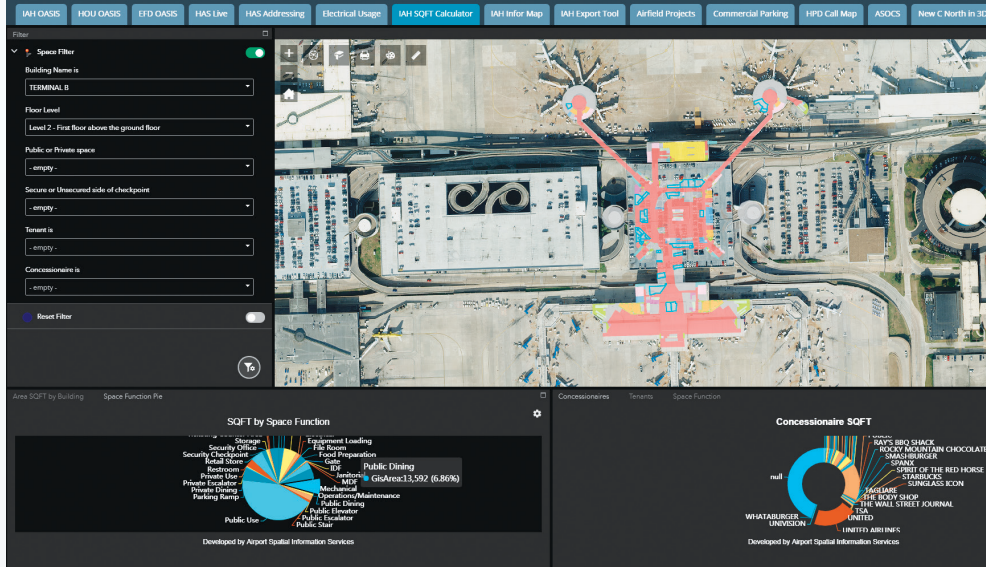
"Operational efficiency, customer service, and safety is our top priority. Web GIS has transformed our team from mapmakers to solution providers, allowing us to be agile and responsive to meet the needs of a 24/7 workforce."

**David Wright**

GIS Manager at Hartsfield-Jackson  
Atlanta International Airport

## Online Airport Spatial Information Services

Developed by the ASIS team at HAS



To learn more visit, [go.esri.com/ATL-Hartsfield-Airport](https://go.esri.com/ATL-Hartsfield-Airport)

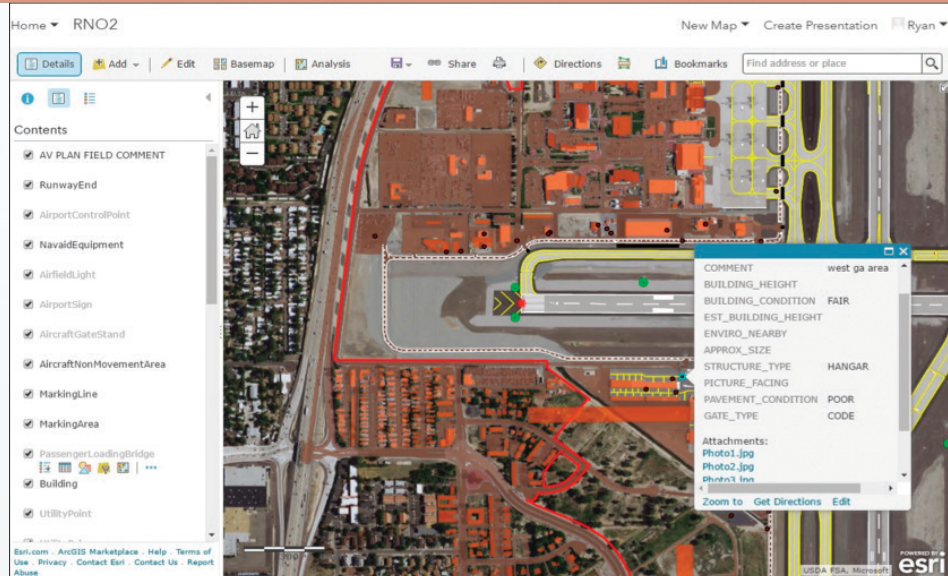
# COMPLY WITH THE LATEST REGULATIONS

From obstacle analysis and land-use permitting to noise monitoring, ArcGIS is designed to help you stay current with international and domestic civil aviation requirements.



# RENO-TAHOE INTERNATIONAL AIRPORT

As Reno-Tahoe International Airport (RNO) staff planned their future expansion, they also needed to comply with the Federal Aviation Administration's (FAA's) Airports GIS program requirements. They quickly realized that the data needed for the FAA program could also provide the foundation for their airport management GIS system. Using the latest cloud technology from Esri, they were able to accomplish their plan with minimal staffing, infrastructure, and IT support and even delivered under their original budget. In fact, the data and GIS helped them design their plans to make Reno-Tahoe a regional hub and propel their economic development strategy.



To learn more visit, [go.esri.com/Reno-Tahoe-Case-Study](https://go.esri.com/Reno-Tahoe-Case-Study)



# STRATEGICALLY MANAGE YOUR PROPERTIES

Airports are under constant pressure to maximize nonaeronautical revenue to support capital growth and stay competitive. Get information that is readily available with the Esri platform. You can create an interactive dashboard to get instant visibility into your vacant properties and top performers, and then integrate that information with passenger counts to have the latest leasing information. This information is accessible for your executive staff, so it is perfect for meetings with prospective customers at their office.

Using ArcGIS increases your profitability by allowing you to

- Chart property use by vendor and airline.
- Access lease documents and engineering drawings from any device.
- Maximize your prime real estate.



# TAKE YOUR AIRPORT TO NEW HEIGHTS WITH ESRI

With the power of location, your organization can take the steps toward becoming a smart airport. Esri's ArcGIS platform is a full software solution—with mobile, desktop, server, and online components—it works to bring all your business systems into one dynamic information engine. Understand your business data through information-driven maps and spatial analysis. See where you excel, and assess where you can improve performance.

Make the move with us and connect with us: [go.esri.com/smart-airports](https://go.esri.com/smart-airports)



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