



ArcGIS®

Aviation Airports

The Foundation for a Smart Airport Vision

What is ArcGIS Aviation Airports?

ArcGIS® Aviation Airports provides tools and a data model that deliver the framework for building and maintaining authoritative datasets of airport infrastructure and integrating these assets with your enterprise geographic information system (GIS). It allows you to reduce obstruction risk and manage airfield operations while streamlining regulatory reporting. You can create and manage Electronic Terrain and Obstacle Data (eTOD) and 3D surfaces for airport obstacle analysis, and signs and markings to compare them with reference data to ensure safe operations. Stakeholders can make better-informed decisions using airport basemaps, 3D visualizations, and operations support content.

How does it work?

Aviation Airports allows you to easily achieve airport GIS compliance with a ready-to-use data model.

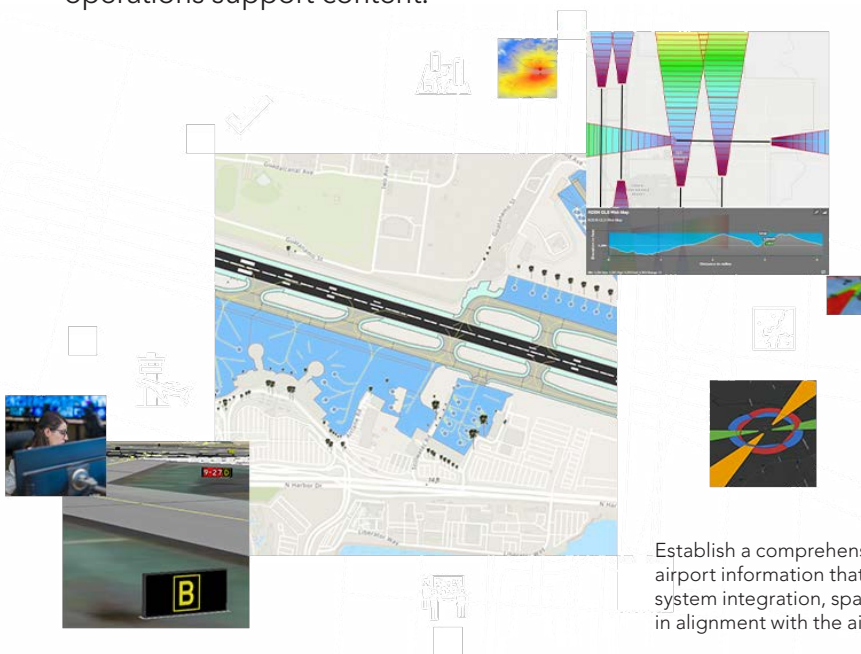
Produce: Map airfield infrastructure assets to specifications.

Validate: Support FAA and international standards such as RTCA, EUROCAE, and ICAO's eTOD.

Manage: Manage obstacle collection and evaluation as well as airfield assets in a comprehensive database.

Analyze and visualize: Visualize in 2D and 3D your assets such as signage and markings and the results of your obstacle analysis.

Share and collaborate: Leverage ArcGIS to publish and share web services for stakeholder engagement and improved decision-making.



Establish a comprehensive system of record for airport information that forms the basis for business system integration, spatial analysis, and visualization in alignment with the airport's business objectives.

What can you do with ArcGIS Aviation Airports?

ArcGIS Aviation Airports allows you to adhere to standards, generate obstruction surfaces, automate QC, and export/import features.



Manage airfield data in out-of-the-box schema and use that data to create an airport layout plan or visualize in 3D.

What are the benefits of ArcGIS Aviation Airports?

- ✓ **Provide a safe airport:** Provide operational safety for the public, employees, and contractors and ensure airport airspace is free of potentially hazardous obstacles. Rely on accurate analysis to make critical decisions for activities such as monitoring of restricted zones.
- ✓ **Comply with regulations:** Use out-of-the-box tools to comply with US, international, and state/regional regulations and take advantage of preconfigured data checks developed from FAA 18B, aerodrome mapping database, and eTOD specs.
- ✓ **Maximize your ROI:** Grow your organization in a strategic and sustainable manner with an enterprise information system that brings location intelligence to your operations.
- ✓ **Reduce production time:** Increase operational efficiency, drive better financial performance, and meet current and future needs of your airport by automating tasks such as obstacle surface creation and analysis, data import/export, and data validation.
- ✓ **Drive informed decision-making:** Integrate airport assets with your GIS and other business systems for improved access to the right information and actionable insights that allow better decision-making.
- ✓ **Enable collaboration:** Mapping assets in a consolidated database fosters collaboration between airports and other agencies on construction projects that can impact protected airport surfaces.



FOR MORE INFORMATION

Email aero@esri.com

with your questions or to discuss how ArcGIS Aviation Airports could help your organization.



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