AEROCLEAR
OBSTRUCTION ANALYSIS

AVIAS AEROCLEAR is a simple, map-based application that has been a favorite of airports across the country in managing their current and future airport obstructions.

Tracking and mitigating obstructions such as trees, light poles, fences, and temporary structures in and around your airport is crucial for ensuring safe operations. AEROCLEAR, a pivotal component of the AVIAS suite, is your comprehensive resource for visualizing, identifying, tracking, and analyzing obstructions, now enhanced with the capability for users to define and place their own obstructions. This new feature allows for an in-depth assessment of potential impacts to airspace surfaces, providing a dynamic and interactive approach to obstruction management.

Utilizing the latest GIS data and obstruction survey results, AEROCLEAR offers a robust platform that integrates 3D mapping to pinpoint obstructions within a defined radius of your airport, including a historical view of mitigated obstructions for a comprehensive understanding of

airspace changes over time.

The application also includes a growth rate tool to forecast the future growth of natural obstructions like trees, aiding in proactive planning and mitigation strategies.

Furthermore, AEROCLEAR's enhanced visualization capabilities allow for the generation of detailed imagery of current and potential obstructions. This feature is invaluable for airport meetings and public outreach, enabling stakeholders and residents to visually grasp the significance of obstruction mitigation efforts, thereby fostering a deeper understanding and support for necessary actions to maintain safety and compliance with FAA regulations.

BENEFITS

- Visual indicator of airspace surface obstructions
- Instantly predicts tree growth over time
- GIS Data Interface
- Interactive map based tool
- Simple, intuitive, organized

FUNCTIONALITY

- Proactively manages the obstructions at your airport
- Predictive modeling tracks and monitors obstructions over time
- Simulates takeoffs and landings
- Creates visuals for public engagement and agency coordination

FEATURES

- Updates data in the field
- Cloud-based
- 3D, GIS user interface
- Centralized database
- Customizable to meet your airport's needs

Built-in tree growth rate tool and survey data quickly identifies key attributes of any obstruction.

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TECHNICAL SPECIFICATIONS

CLOUD-BASED
Access anytime, anywhere with no on-premise installation required

RELIABLE & SCALABLE
Hosted on Amazon AWS for industry-leading security, performance, and uptime

CROSS-BROWSER COMPATIBLE
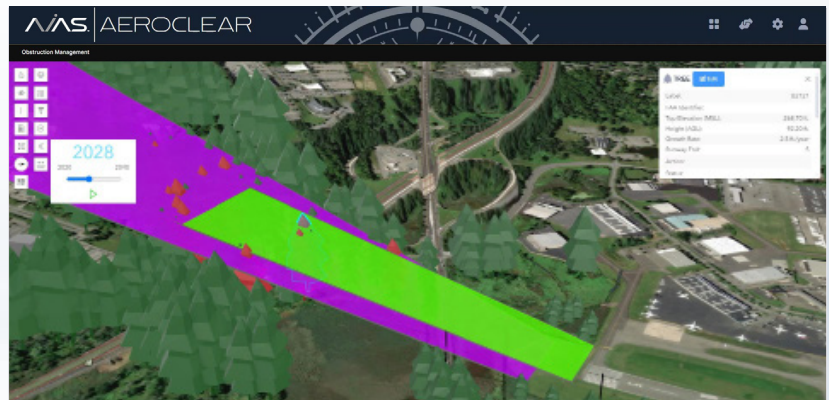Works seamlessly on all modern web browsers—no special setup required

SECURE & ENCRYPTED Protected with HTTPS for safe and reliable data transmission

ROBUST STORAGE
Backed by Amazon S3 for scalable, durable, and high-performance data management

POWERED BY ESRI
Proven GIS technology for accurate mapping and spatial analysis

Predictive analysis allows you to visualize obstructions over time.

Create unique obstructions and update data to meet FAA requirements

LEARN MORE ABOUT AVIAS

Scan the QR Code for an overview video of AVIAS or go to: mjinfrasolutions.com/AVIAS to learn more about AVIAS and the full suite of Airport Management Solutions.

AVIAS Suite of Airport Management Applications
- **AEROCLEAR -** Obstruction Analysis
- **CAPLAN -** Airport System Planning
- **DAT -** Dynamic Analysis
- **INSPECT -** Airport Inspection & Asset Management
- **RUMBLE -** Pavement Management
- **SITES -** Land Development
- **FLOW -** Terminal Planning

CONTACT US

InfraSolutions® by McFARLAND JOHNSON

(615) 887-8546
infrasolutions@mjinc.com

WWW.MJINFRASOLUTIONS.COM/AVIAS