

AVIAS FLOW TERMINAL PLANNING



BENEFITS

- Optimized Terminal Layouts
- Time-Saving Scenario Modeling
- Data-Driven Design Decisions
- Improved Passenger Experience
- Scalable for Future Growth

FUNCTIONALITY

- Functional Area Mapping
- Scenario Comparison Tools
- Passenger Flow Simulation
- Demand Forecast Integration
- Collaboration & Review Tools

FEATURES

- Interactive Terminal Visualization
- Integration with AVA
- Layered Plan Overlays
- Smart Recommendations Engine
- Exportable Reports & Graphics



AVIAS FLOW enables planners to model functional areas, simulate passenger movement, and evaluate design scenarios using real-time data and forecasts.

FLOW – Terminal Planning is a powerful application within the AVIAS airport management suite, purpose-built to enhance the planning, design, and optimization of terminal facilities. FLOW enables airport planners and stakeholders to visualize terminal layouts, allocate functional areas such as check-in, security, holdrooms, concessions, and baggage claim, and assess how those areas interact with real-world passenger movements. By integrating passenger demand forecasts and operational data, FLOW supports data-driven decisions that align terminal designs with current needs and long-term growth.

planning scenarios, compare options in real time, and receive AI-generated recommendations to improve efficiency and passenger experience. With interactive visual tools, collaboration features, and the ability to generate shareable reports and graphics, FLOW transforms terminal planning into a more intuitive, insightful, and agile process—empowering airports to make smarter, faster decisions while designing terminals that are functional, flexible, and future-ready.

What sets FLOW apart is its dynamic modeling capability and seamless integration with AVA, the AI-powered assistant. Users can simulate multiple





FLOW TERMINAL PLANNING



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

The screenshot shows the 'Scenario Inputs' form in the AVIAS AEROCLEAR interface. It includes fields for 'Terminal', 'Peak Hours', and 'Annual'. The form is divided into sections for 'Domestic' and 'International' passenger flows, with sub-sections for 'Departures' and 'Arrivals'. It includes various input fields for passenger counts, percentages, and design factors, along with checkboxes for 'Use Specified Value' and 'No'.

Scenario Inputs

The screenshot shows the 'Planning Activities' form in the AVIAS AEROCLEAR interface. It includes a table with columns for 'Planning Activity Level', 'Year', and 'Description'. The table lists two activities: 'Planning Activity Level 1 reflects 5 years of forecast passenger growth from 2025-2029' and 'Planning Activity Level 2 reflects 5 additional years of forecast passenger growth over PAL 1 from 2029-2034'. The form also includes sections for 'Terminal Type', 'Total Terminal Area', 'Level of Service', 'Check-In', 'Economy Counters', 'Business Counters', 'First Class Counters', 'Bag Drop', 'Concessions', and 'Retailers'.

Planning Activities

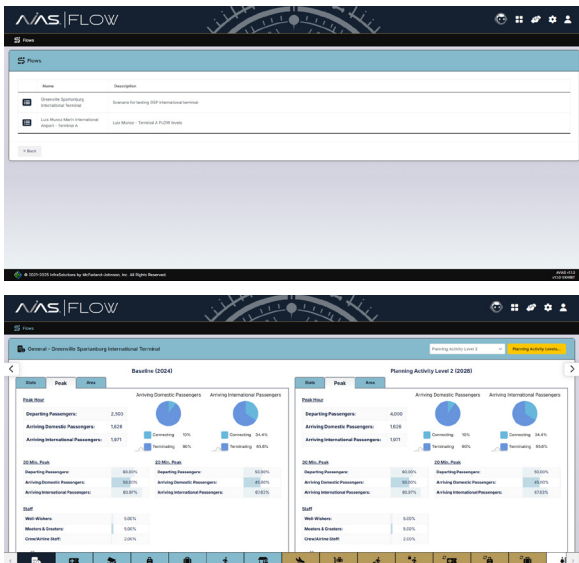
LEARN MORE ABOUT AVIAS

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

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



CONTACT US



(615) 887-8546
infrasolutions@mjinc.com