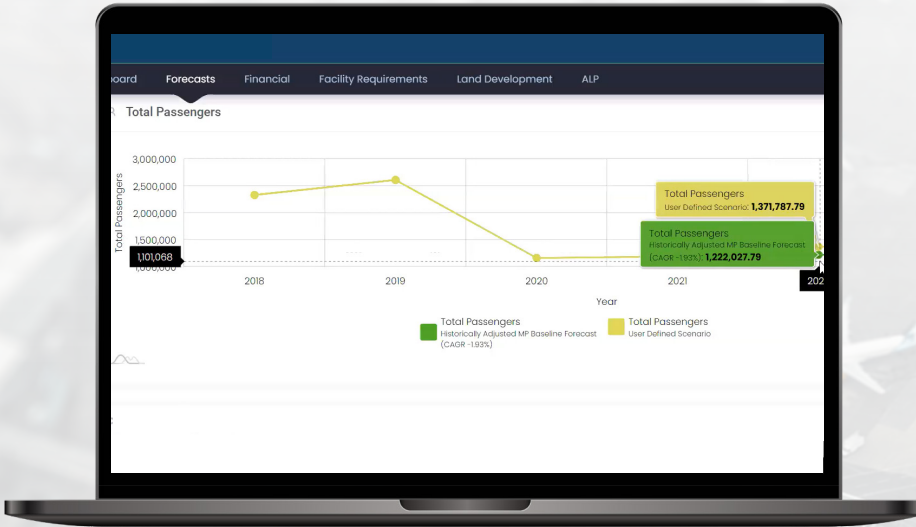




# DYNAMIC ANALYSIS TOOL

## CREATING A SUSTAINABLE MASTER PLAN



**The Dynamic Analysis Tool correlates your financials with forecasting data, and provides scenario-based analysis to help airports create a flexible and sustainable Master Plan.**

The **Dynamic Analysis Tool (DAT)** is a robust and flexible online tool that analyzes both likely and unforeseen future airport scenarios using basic user inputs, providing an airport sponsor with the ability to consider how changes in air traffic, cost structure, or even a change in airport mission would impact upcoming development and financial outcomes.

The Dynamic Analysis Tool allows your airport staff to correlate ongoing operations in conjunction with current forecasts and financials, presenting an accurate picture of what is happening at your airport in real time.

System or user defined scenarios can be combined and adjusted to match your airport's predicted operational changes. Scenario data will then be applied and displayed for all forecasted areas and financial categories along with facility requirements including current runways, runway protection

zones, taxiways, approach procedures, lighting and NAVAIDs, land side, and terminal elements.

Within our tool, the Airport Layout Plan presents an interactive 3-dimensional GIS map of your airport that automatically adjusts using the applied scenarios. Both the FAA approved, and the custom ALP drawings can then be exported to PDF. Additional custom reports can also be run to export all the data you need, giving you the tools to extend the life of your airport's master plan.

Additional functionality can be integrated into the Dynamic Analysis Tool including solutions for:

- Land Development
- Obstruction Analysis
- Pavement Management
- Statewide System Planning
- Part 139 Inspections

### BENEFITS

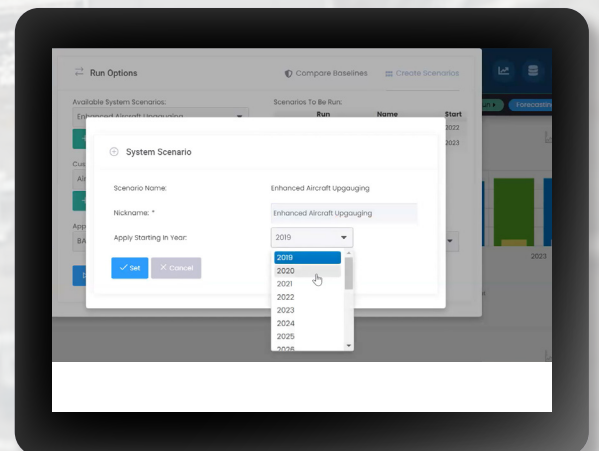
- Scenario-based analysis
- Centralizes key airport data
- Imports Master Plan financial data
- Correlates current and forecasted data
- Extends the useful life of a Master Plan
- Flexible to meet needs of all size airports

### FUNCTIONALITY

- Adjusts forecast based on fluctuations in the industry and changes at your airport
- Links together demand forecasts, facility requirements, development scenarios, capital improvement plans, an electronic ALP, more
- Shows subsequent impact on the Airport's finances, airfield, terminal, or landside infrastructure, and/or other selected criteria identified by the airport

### FEATURES

- Interactive, GIS 3-D Airport Layout Plan (ALP) that adjusts to scenario-based inputs
- Cloud-based
- Customizable to meet your airport's needs



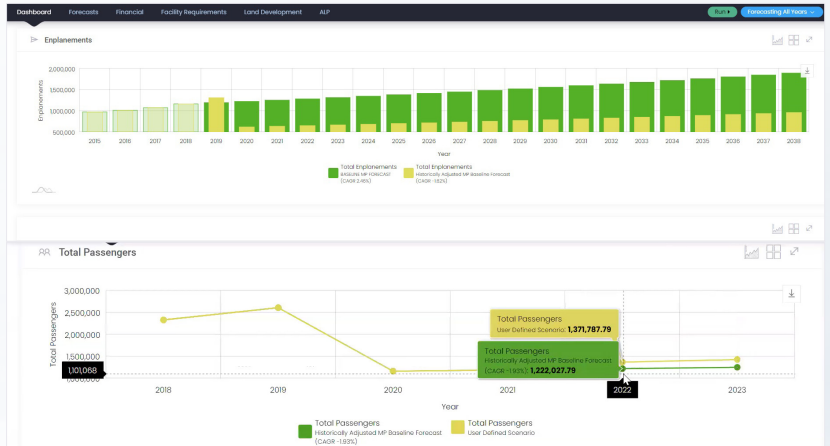
*Run scenarios for more accurate forecasts and extend the life of your Master Plan*



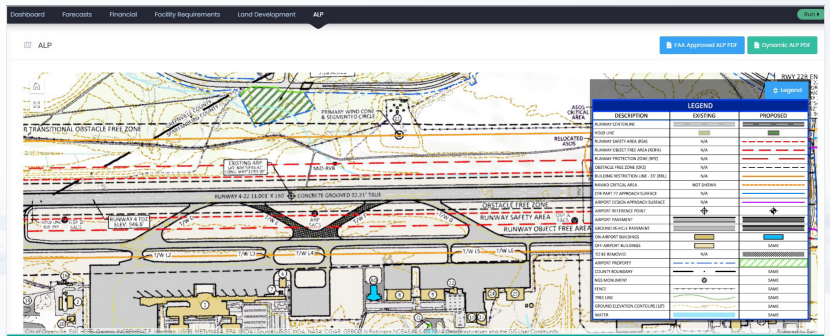
# DYNAMIC ANALYSIS TOOL

## TECHNICAL SPECIFICATIONS

- Version: 3.0
- InfraSolutions Integration
  - Dynamic Analysis Tool- Land Development
  - Dynamic Analysis Tool- Obstruction Analysis
  - Dynamic Analysis Tool- Pavement Management
  - Dynamic Analysis Tool- Statewide Systems Planning
  - Part 139 Inspection Tool
- Cloud-based
- Data hosting via AWS
- Uses Esri-based maps or user-defined sources
- Customizable interface and functionality based on users needs
- Customizable user scenarios based on user input or planning data
- User defined filter and search fields for data access
- Long term support and data maintenance options
- Basic system requirements:
  - High speed internet connection
  - Modern web browser such as *Google Chrome*, *Microsoft Edge*, or *Mozilla Firefox*
  - McFarland Johnson recommends updating your browser to the latest stable release
  - Your browser must be set to accept cookies



Correlate forecasts against baseline financials and historical data



Make adjustments to your ALP to meet forecast requirements

## LEARN MORE ABOUT THIS SOLUTION

Scan the QR Code with your phone's camera or go to: [mjinfrasolutions.com](http://mjinfrasolutions.com) to view a short demo of this and other Dynamic Analysis Tools.



### Other InfraSolutions and Dynamic Analysis Solutions

- Land Development
- Pavement Management
- Predictive Obstruction Analysis
- Statewide System Planning
- Part 139 Inspection Tool
- Visualizations & UAV



Generate reports anytime, anywhere.

## CONTACT US



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