



# airspacelink™

DIGITAL INFRASTRUCTURE FOR EVERY DRONE OPERATION





# OUR VISION IS TO BUILD THE NEXT KEY AMERICAN INFRASTRUCTURE

Every few decades over the past 150 years, there's been a major inflection point in the infrastructure industry.

**AIRSPACE LINK** is partnering with State & Local Government to building the future **DIGITAL INFRASTRUCTURE** for every drone operation.

PRESENT

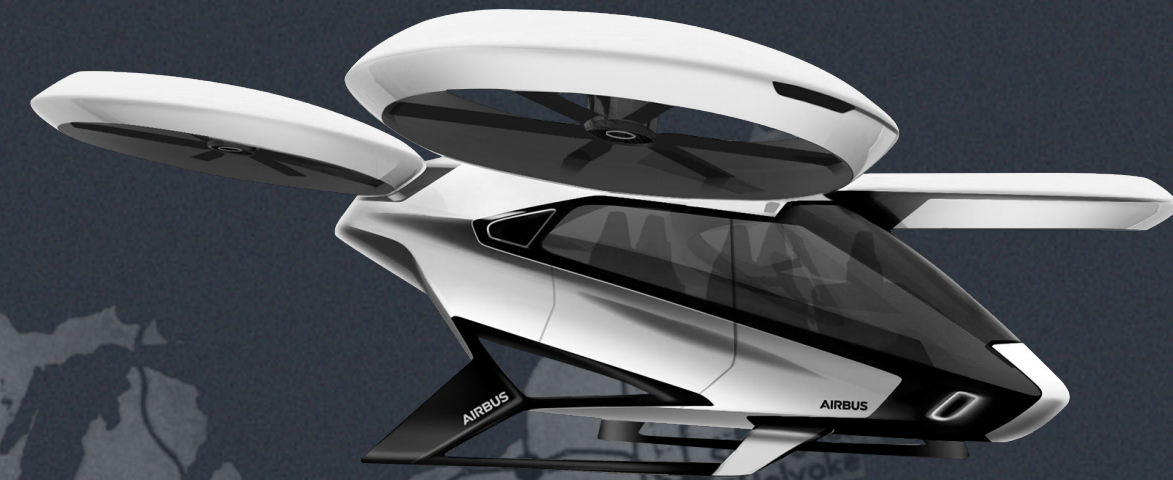
HENRY FORD - 1910  
| AUTOMOBILE

ALEXANDER  
GHAM  
BELL - 1876  
| TELEPHONE

DWIGHT D. EISENHOWER -  
1950 | INTERSTATE SYSTEM

THOMAS EDISON - 1880  
| LIGHT + ELECTRICITY

CORNELIUS  
VANDERBILT -  
1860 | RAILROAD



2  
STRICTLY  
CONFIDENTIAL





# CHALLENGES WITH ALL DRONE OPERATIONS



## Flying a drone safely + legally

DIFFICULTY: 

- 40% of US population reside in controlled airspace and require FAA approval
- 400 local ordinances. Every region has different rules, regulations, hazards and risks



## Flying a drone Beyond Visual Line of Sight

DIFFICULTY: 

- Expensive and time consuming to receive FAA waiver approval
- \$100k+ and 3+ months to generate safety case for the FAA to receive waiver approval



## Flying advanced drone operations at scale

DIFFICULTY: 

- Extremely expensive and time consuming to install and manage infrastructure
- \$1m+ and 8+ months to receive FAA approval, requires aircraft type certification

**NO SHARED UAS INFRASTRUCTURE**





# MASSIVE OPPORTUNITY IS RIGHT IN FRONT OF US, REGULATION IS CATCHING UP

PACKAGE  
DELIVERY

ARCHITECTURE  
ENGINEERING  
CONSTRUCTION

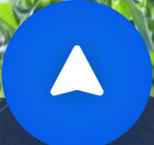
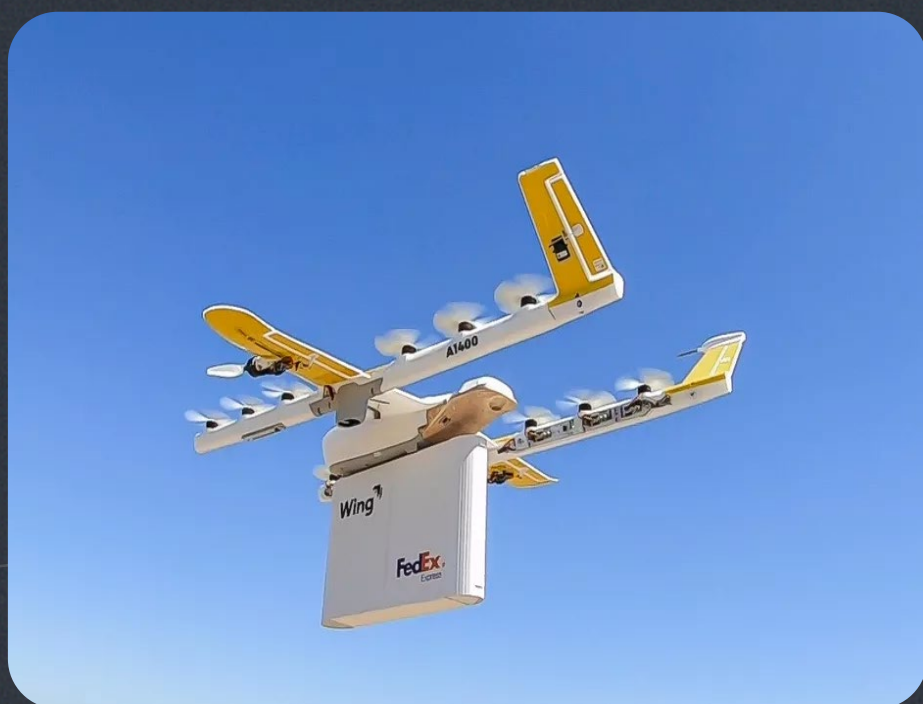
HEALTHCARE

MILITARY /  
EMERGENCY  
SERVICES

AGRICULTURE

**GIS** is perfectly positioned to take advantage of **massive investment** companies are making into UAS infrastructure

- Low Altitude Authorization & Notification (LAANC), Remote ID, flights over people & Beyond Program
- UAS Part 107, Type Cert 135 (Alphabet Wing, Amazon & UPS recently received approval for UAS package delivery)
- State & local government investment

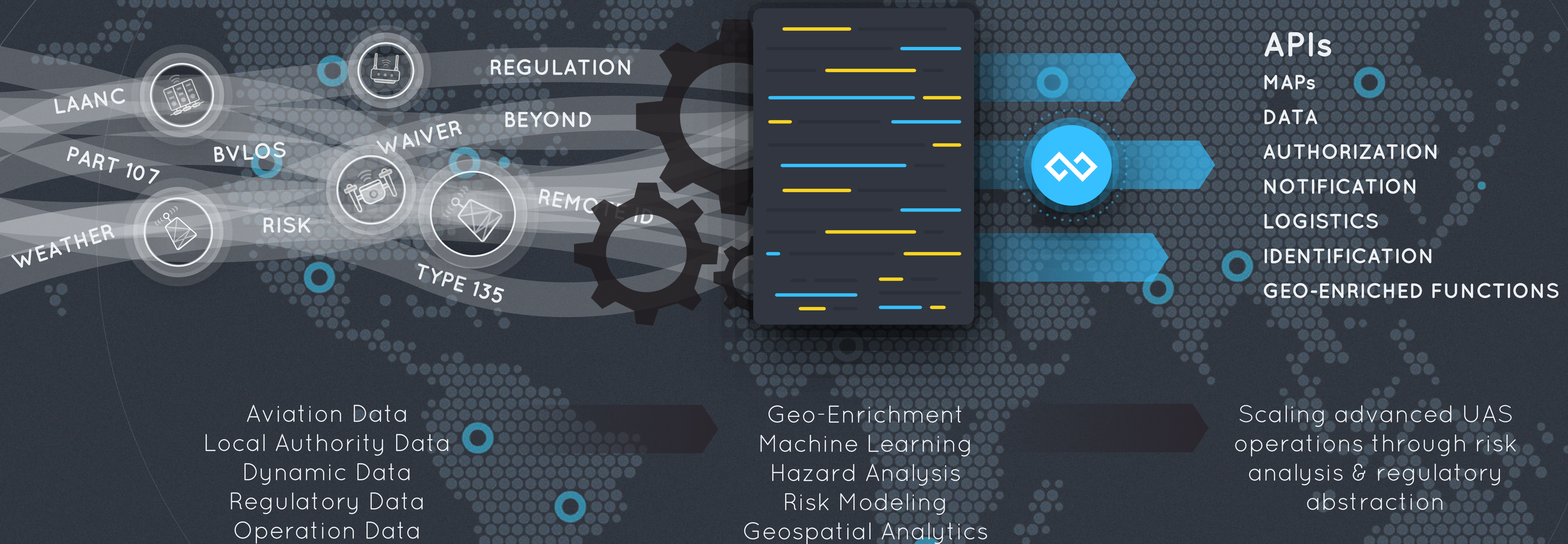








# TOMORROW: A COMPLETE DIGITAL INFRASTRUCTURE POWERING EVERY DRONE FLIGHT





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Aviation Data  
Local Authority Data  
Dynamic Data  
Regulatory Data  
Operation Data



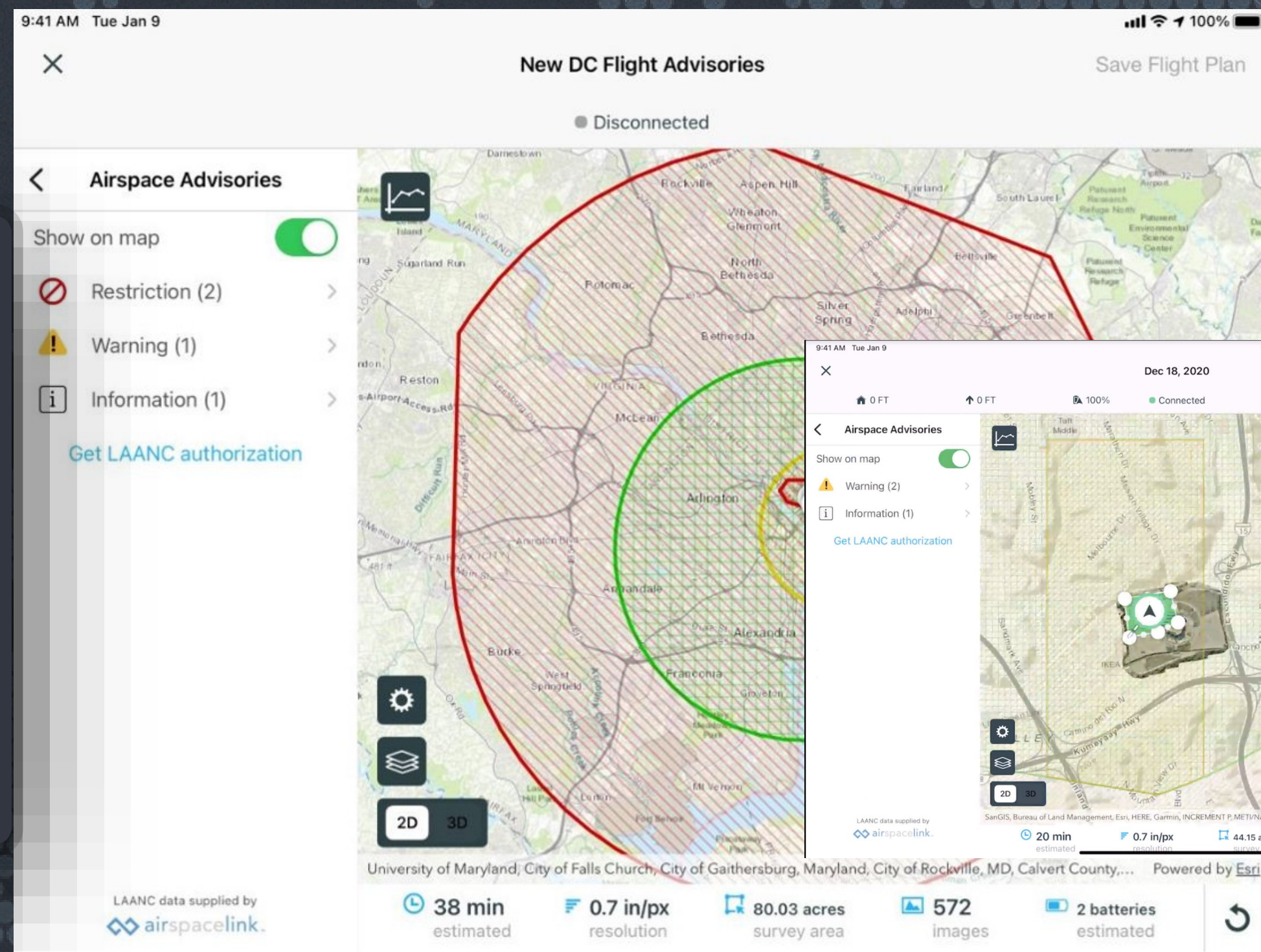
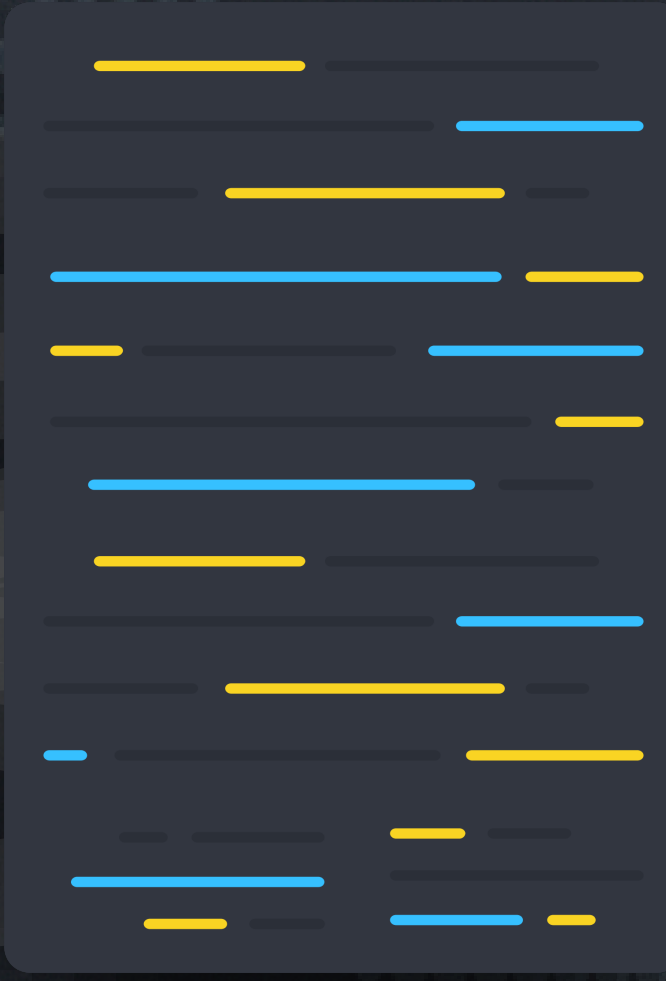
Geo-Enrichment  
Machine Learning  
Hazard Analysis  
Risk Modeling  
Geospatial Analytics

Scaling advanced UAS  
operations through risk  
analysis & regulatory  
abstraction





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Scaling advanced UAS operations through risk analysis & regulatory abstraction



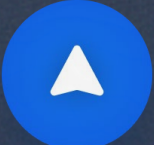
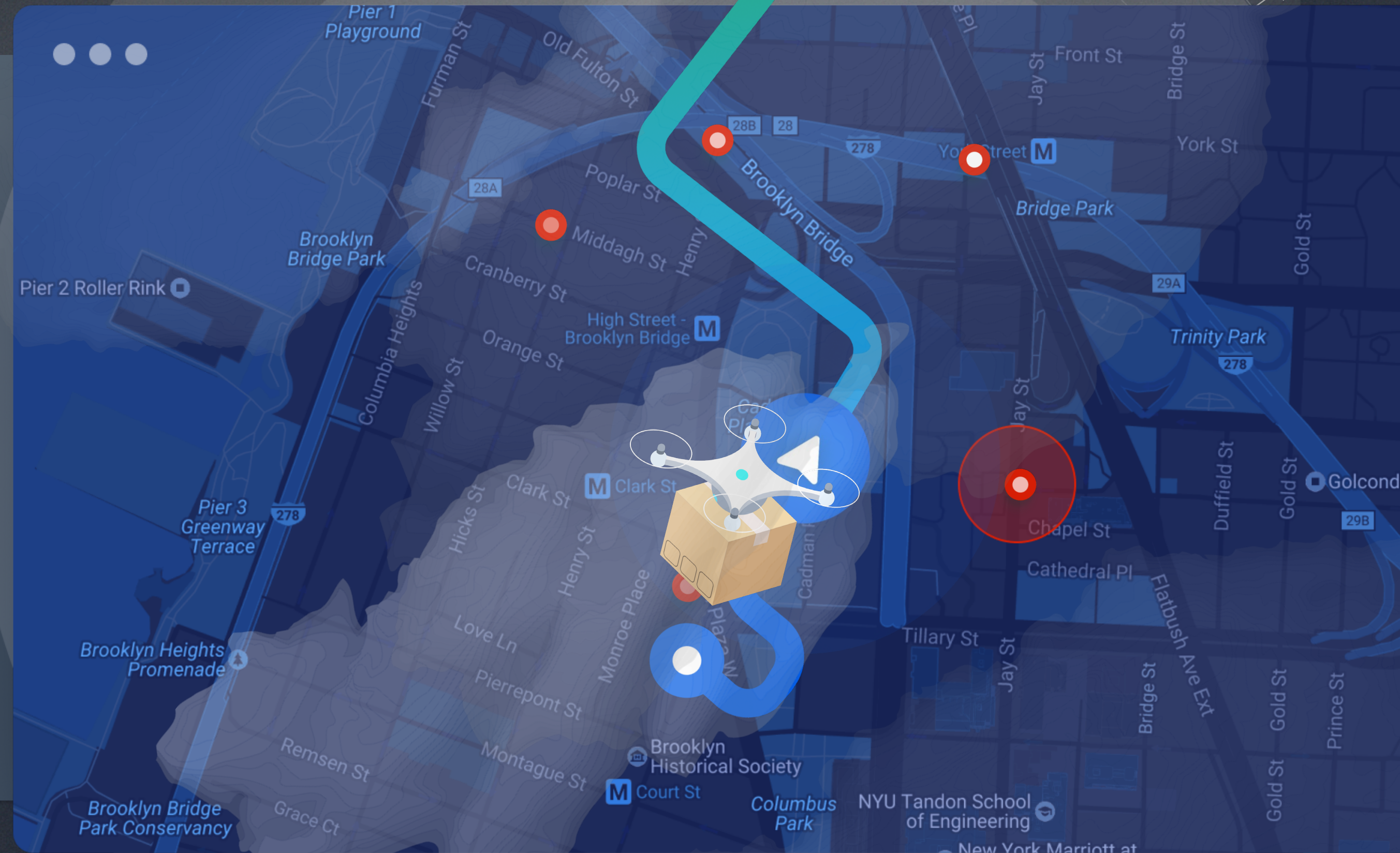


# WE HAVE BUILT A WORLD CLASS SUITE OF PRODUCTS THAT ARE BEING ROLLED OUT TODAY

## DEMONSTRATION

- TODAY **AirHub™ for Gov**  
**AirHub™ for Pilots**
- BETA **AirHub™ for Developers**  
OEM, data, functions, API

[LAUNCH DEMOS →](#)





# WE ALREADY COVER 55M PEOPLE ACROSS 17 STATES

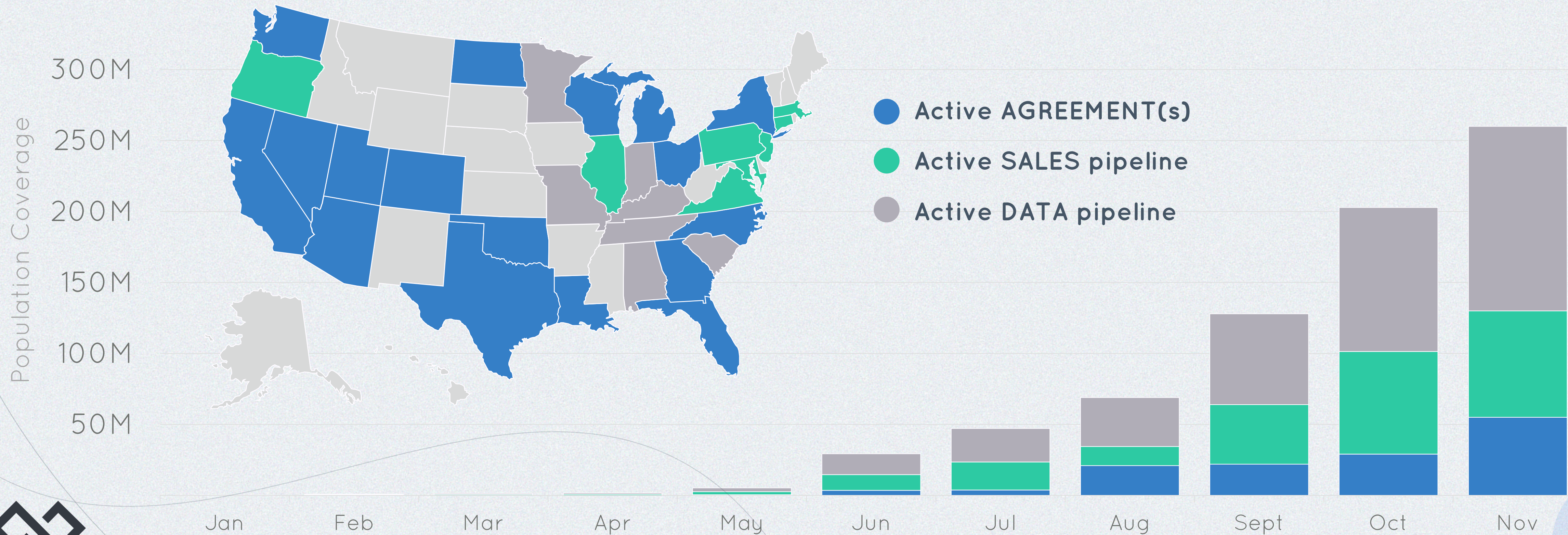
**AirHub v1.0**  
release April  
2020

**1 of 5 approved**  
FAA LAANC  
Suppliers

**300+**  
business

**726 integrated**  
FAA airports

10  
STRICTLY  
CONFIDENTIAL





# AIRHUB PLATFORM

Enables communities to manage safe integration of UAS operations by providing ground risk insights



Building “Highways in the Sky” to support advanced UAS missions



# AIRHUB for Government: Data Onboarding



## Hazard Data Integration From Multiple, Trusted Sources

**Static data:** Schools, hospitals, government buildings, helicopter pads, airports, stadiums, I rights-of-way, etc.

**Policies:** Special ordinances., land use, zoning

**Dynamic data:** advisories, weather, population movement patterns



## Data Preparation

Corroborating and combining datasets into the UAS Spatial Data Model to facilitate processing and enable easier maintenance.



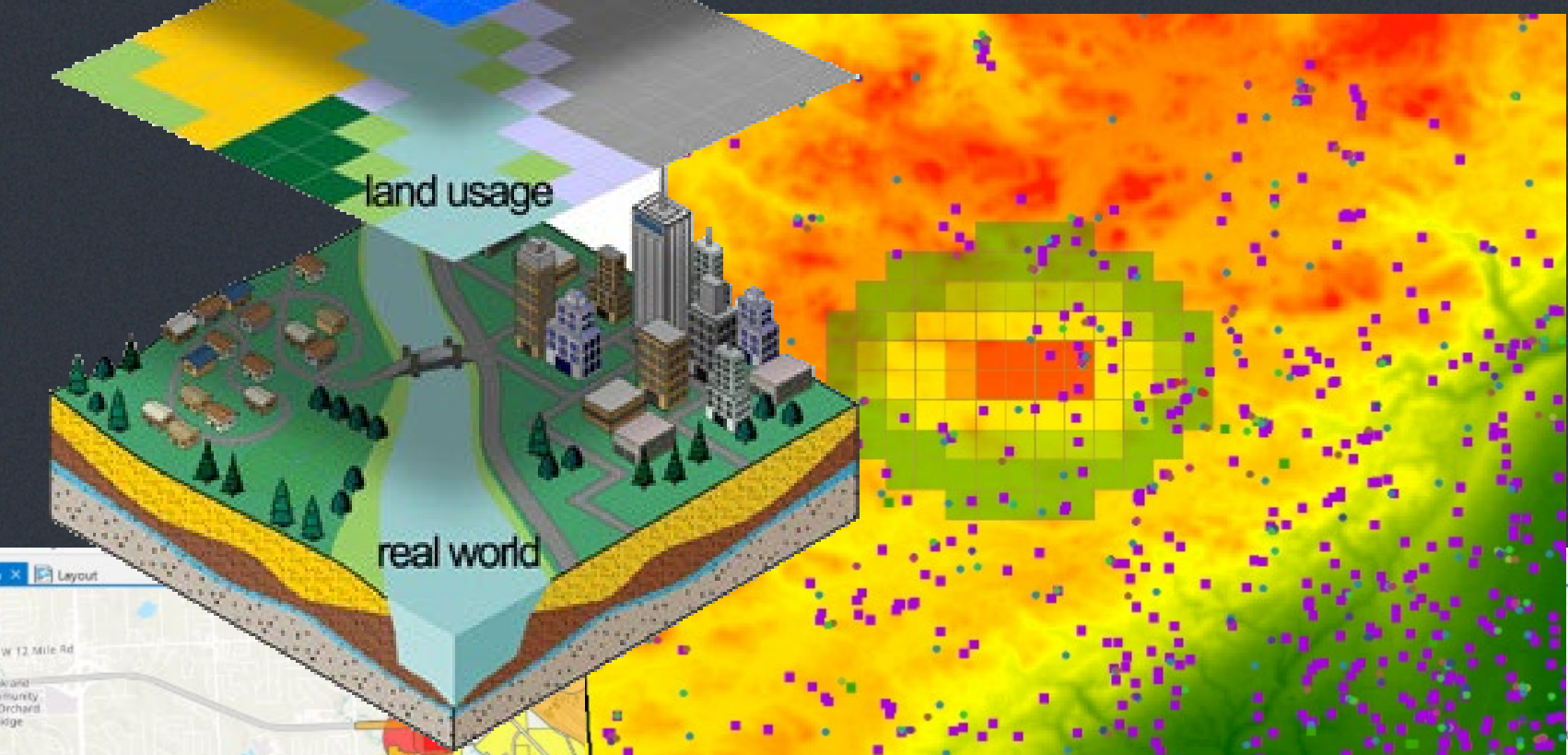
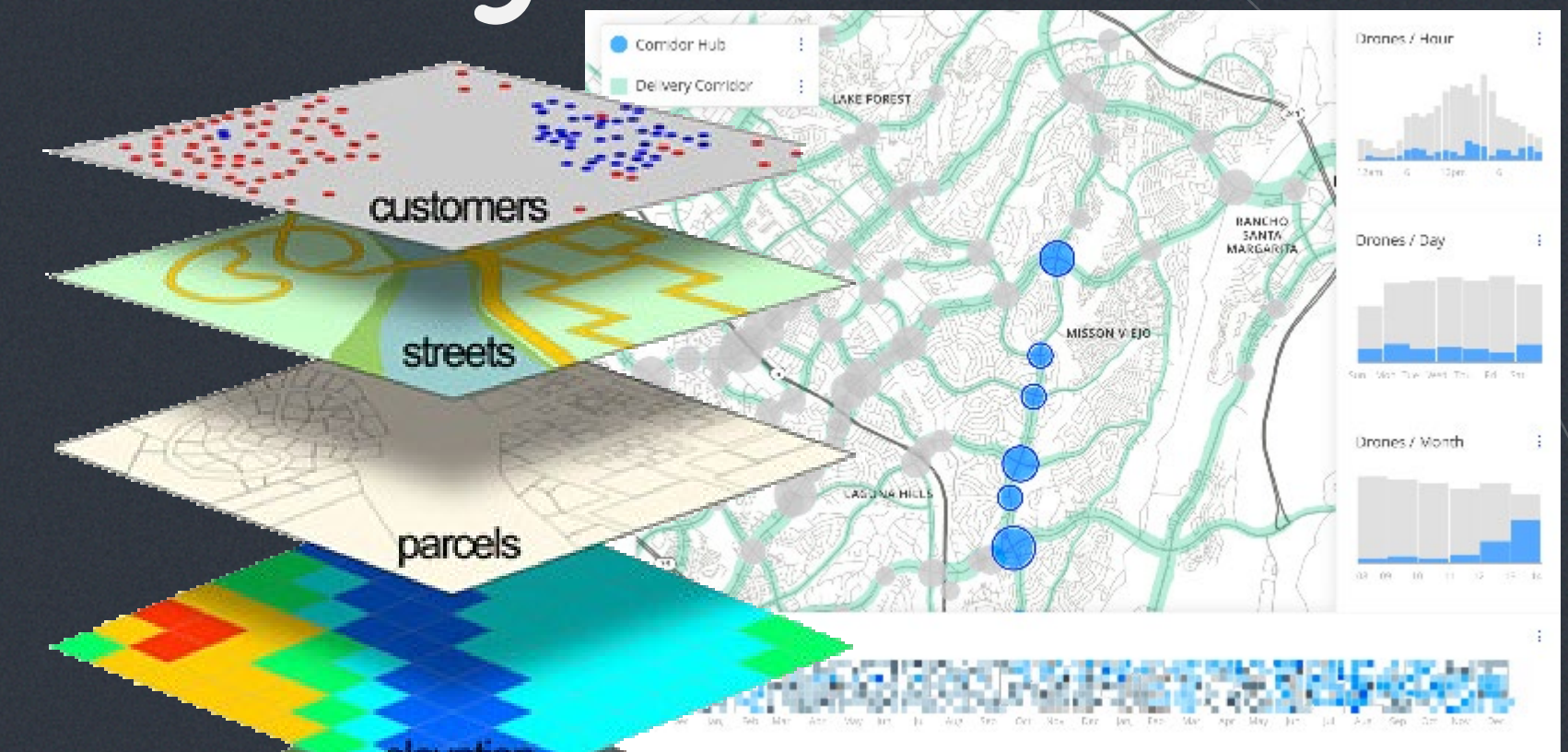
## Model Processing

Applying the risk model based on UAS operator inputs, time and location risk attributes. Supports the underlying routing decision tree.



## Deployment

Approval and deploy processed data to AirHub systems, enabling the state & local government the ability to publish advisories and risk data to UAS pilots.









# IMAGIN MEMBER FREE AIRHUB FOR GOVERNMENT EVALUATION

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