

# Wing Drone Delivery

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Global Policy & Ecosystem

**ICAO SAM - UAS/RPAS Regional Event**

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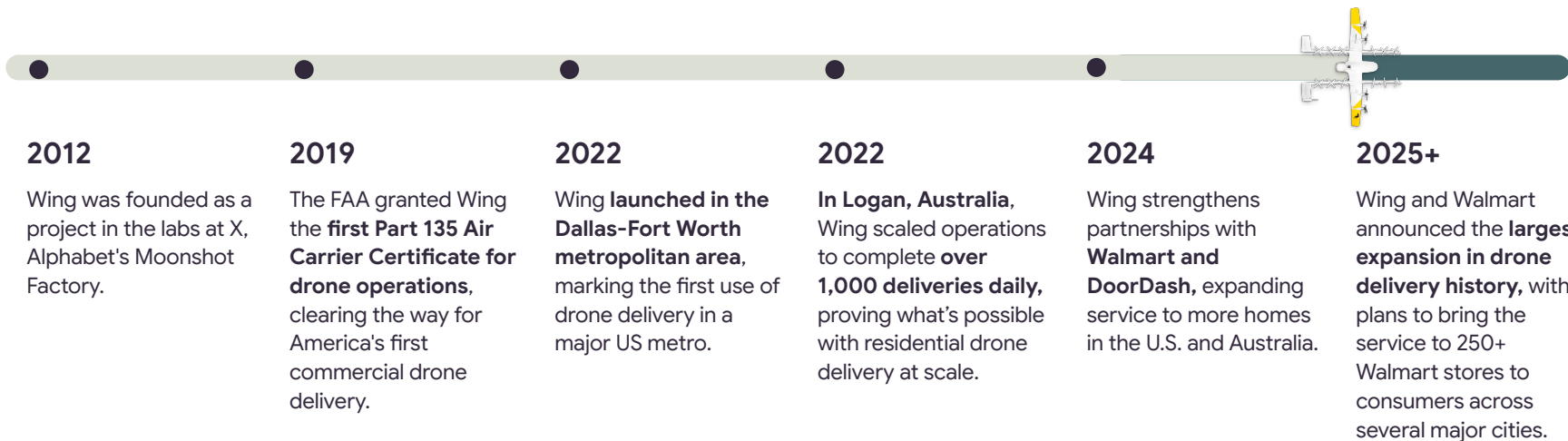
# Wing

- A global drone delivery company, part of Alphabet (Google's parent company), established in 2012.
- Designs, deploys, and manage delivery drones that exceed the aviation industry's safety and reliability standards.
- Over 800,000 commercial deliveries across three continents.



# From the lab to daily life.

For more than a decade, Wing has focused on solving the real-world problem of creating a fast, reliable, cost-effective last-mile delivery platform.



## About Wing

# We're revolutionizing delivery with leading innovation.

Wing's lightweight delivery drones complete thousands of deliveries every day and are among the safest ways to transport goods.

Wing operates one of the largest aircraft fleets in the world and serves the largest residential drone delivery footprint in the United States of America.

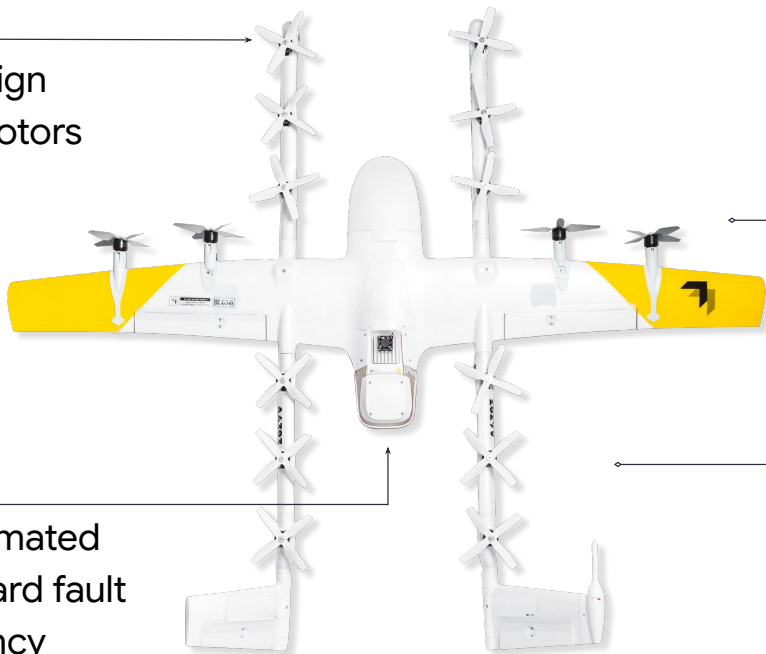


## Autonomous Flight System to Support Scale

**Redundancy.** Hybrid design with multiple batteries, motors and navigation systems

**Airframe.** Lightweight and frangible design for operations over people

**Automation.** Highly automated flight planning with onboard fault monitoring and contingency management



**Delivery.** Fault-tolerant tether system to enable safe delivery without landing

**Carries** | 1.05kg

**Weighs** | 5.3kg

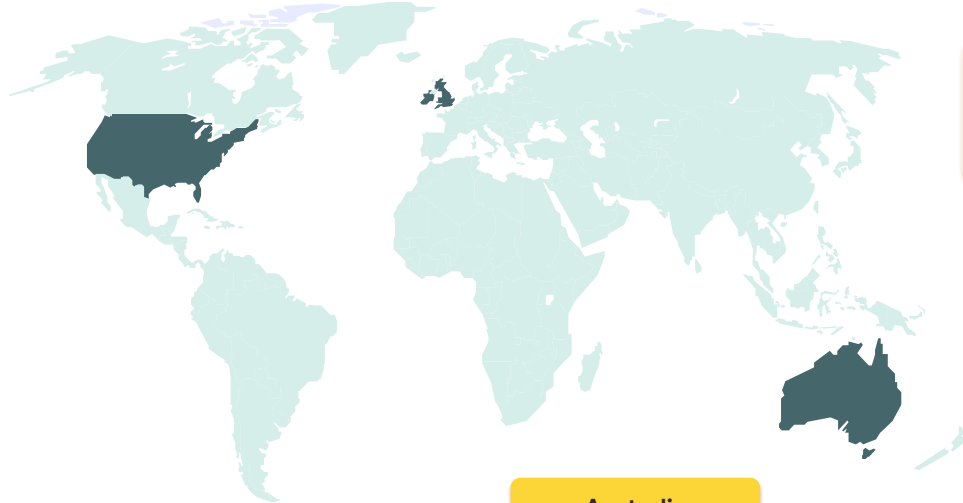
**Cruises** | 104 kph

**Delivers** | 10km

# Global operational footprint

## United States

- Part 135 – 1:32 pilot:aircraft ratio; 1:6 pilot:Nest ratio
- Part 107 – 1:100 pilot:aircraft ratio; no limit on pilot:Nest
- Coming soon: **Part 108** and **Part 146**
- No visual observers for primary operations
- Automated DAA approved
- CMD process - applicant driven D&R-like for new configurations (months not years)
- Change process - keeping up with monthly rate of software development



## Europe

- SORA - SAIL II
- Operational authorisation
- No visual observers for primary operations

## Australia

- ReOC –1:50 pilot:aircraft; no limit pilot:Nest
- No visual observers for primary operations

How it works



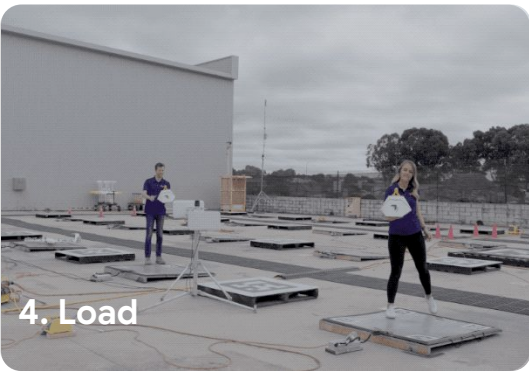
1. Order



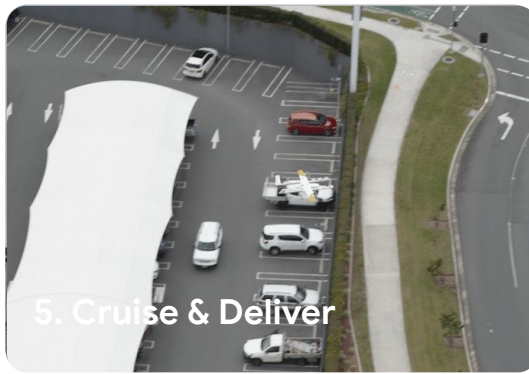
2. Plan



3. Takeoff



4. Load



5. Cruise & Deliver



6. Return

# What we've been up to:

Wing has built a global drone delivery network with key industry leaders & 800,000+ commercial deliveries.



World's Largest  
Retailer & Grocer



Will cover up to 40 million people by  
the end of the year.



World's Leading  
Aggregator



Launched in the U.S. and  
Australia with ~100 merchant  
partners.



World's Most Complex Urban  
Drone Delivery



Delivering blood samples  
between two National Health  
Service hospital rooftops in  
London, UK.

## Safe, Shared Airspace for All

To safely share the skies with traditional aircrafts, **Wing receives ADS-B in** – the standard technology in aviation for communicating location–**to detect and avoid crewed aviation.**

Wing is committed to advancing safety, technology, and infrastructure to better serve the businesses and communities where we operate.



Confidential and proprietary



Safe delivery  
rain or shine



Safety

**Design for the predictably unpredictable**

## Pioneering a scalable ecosystem for residential drone delivery

- Since 2024, FAA has approved Wing and others to share the airspace via the **Unmanned Traffic Management (UTM) strategic coordination standard**.
- Safely shared low-altitude airspace, automating the coordination of BVLOS flights.
- Exchanging flight intent data and automatically adjusting flight paths to meet deconfliction requirements, eliminating manual coordination.



Confidential and proprietary

# Inc.

## Why These 2 Drone Delivery Rivals Are Partnering Up

Wing and Flytrex have begun sharing the same delivery drone air traffic and collision prevention platform. Could a national system be next?

BY BRUCE CRUMLEY @BRUCEC\_INC

JUN 3, 2025

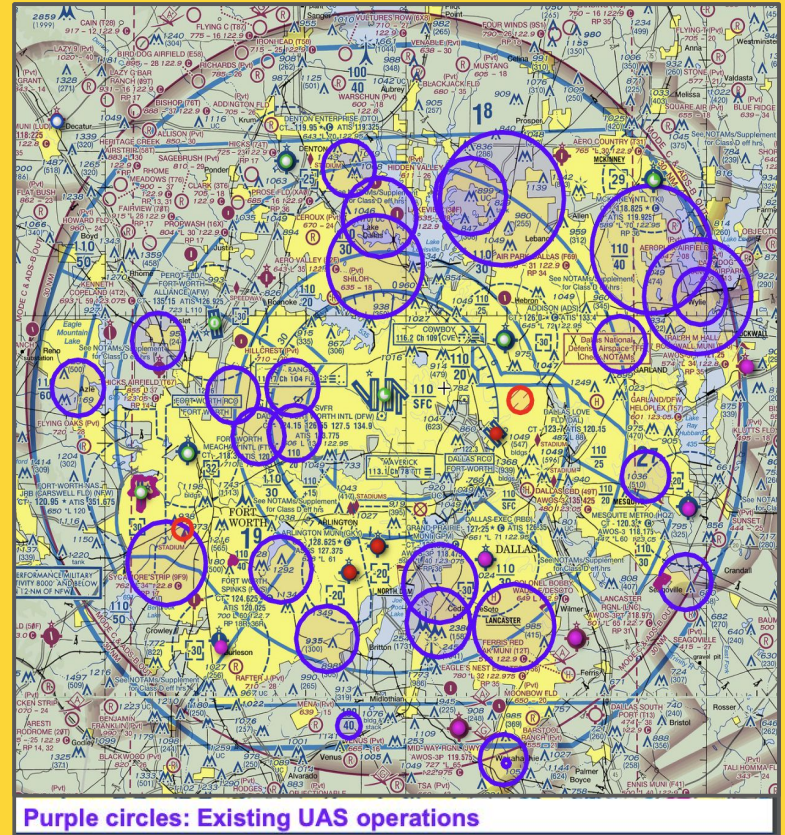


## Major step forward for UTM as Manna and Wing delivery drones share the same airspace

📅 July 3, 2024 📌 UAS traffic management news

Wing's leading technology positions us to meet the challenge of overlapping scaled BVLOS operations in major metro areas:

- 10,000 km<sup>2</sup> of cooperative ADS-B airspace
- 6 active or planned drone delivery companies in Dallas, 16 participants nationwide
- Existing overlapping operations
- Several active public safety drone operators



Click the video to play!



Thank you!



Wing 