



*ICAS Emerging Technology Forum*



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# Meet Joby

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*A vertically integrated transportation company*

*We develop, manufacture and will operate a revolutionary new aircraft.*

*Plan to launch our app-based aerial ridesharing service directly to end-users.*

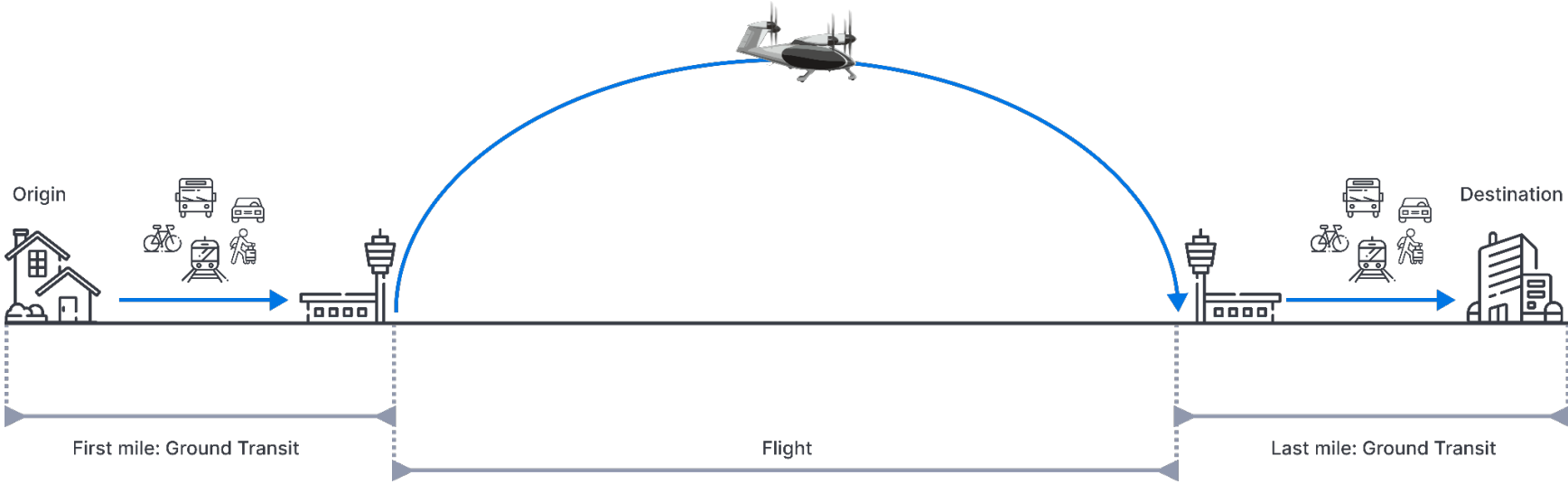
*1500+ employees across Santa Cruz, San Carlos, Monterey County, Washington DC, Austria, and Germany.*



# The service



# Multimodal Aerial Ridesharing Service



# Multimodal aerial rideshare

Manhattan > JFK airport

Uber

Uber

Uber

Uber



Uber





**29 million**

Trips per day, New York City

**99.4%**

Trips <50 miles



**31 million**

Trips per day, Los Angeles County

**99.1%**

Trips <50 miles

# The aircraft





# Joby aircraft evolution

Subscale  
demonstrator

Full-scale  
demonstrator

Pre-production  
prototype

Production  
prototype

FAA-certified aircraft

2014

2017

2019

2023



# Payload

1000 lbs — 4 passengers, 1 pilot

# Range

Trips up to 100 miles

# Speed

Up to 200 mph

# Sound

~45 dBA in cruise



**Dual-wound motors**

**Isolated battery  
packs**



A close-up, low-angle photograph of a battery pack, showing the individual cells and their arrangement. The battery is white and has a textured surface. The background is blurred, showing more of the battery pack and some mechanical components.

# 288 Wh/kg

Cell-level specific energy

# 10,000+

Flight cycles

We chose to source pouch cells from the automotive supply chain that deliver on all key metrics.





# 235 Wh/kg

Pack-level specific energy

We assembled these cells into packs that meet the FAA's safety requirements and deliver industry-leading performance.



# *Production Prototype*

*Built on our pilot production line, our first company-conforming aircraft was completed in June 2023— a major step on our journey to scaled production.*



# Production facility



Dayton, Ohio  
The birthplace  
of aviation

*Joby selected Dayton, Ohio, the birthplace of aviation for its first scaled manufacturing facility*

*Due to come online in 2025*

*Joby plans to build facility capable of delivering up to 500 aircraft per year*



# Customer-ready

*This aircraft was the first eVTOL aircraft delivered to a customer when it moved to the United States Department of Defense Edwards Air Force Base.*





# Operations



# Regulatory Framework



Type Cert. &  
Prod. Cert.



Pilot  
Qualification



Commercial  
Operations



Air Traffic &  
Airspace



Airports, Helipads  
& Vertiports



- 21.17(b)
- G-1 Basis
- G-2 MoC
- ASCP

- FAA SFAR
- Commercial Pilots
- Model Specific Training

- FAA SFAR
- Part 135

- Traditional Equipage
- On-board Pilot
- Local Efficiency Solutions

- Airports
- Heliports
- Vertiports





Q4 2024  
Expected FAA SFAR finalized  
*(operations & pilot training)*

Q2 2022  
Received Part 135

2025  
Expected begin commercial  
operations



# Airspace Integration



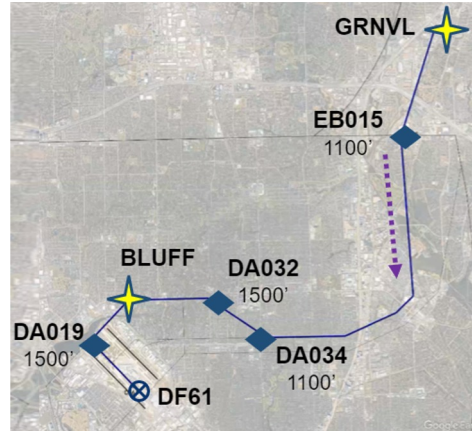
# Approach: Integrate initial Joby operations into the current airspace and evolve the airspace environment for future scale

## Challenge



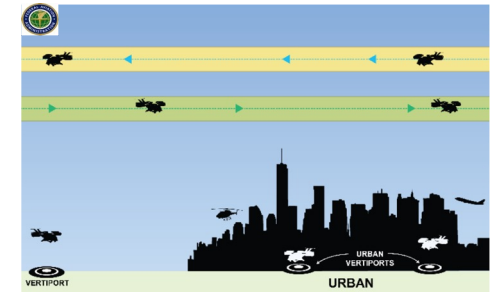
## Solutions

### Current Day

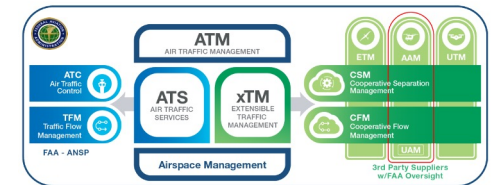


Defined routes that streamline communications

### Mid-Term to Long-Term



### Corridors



Third-party service providers



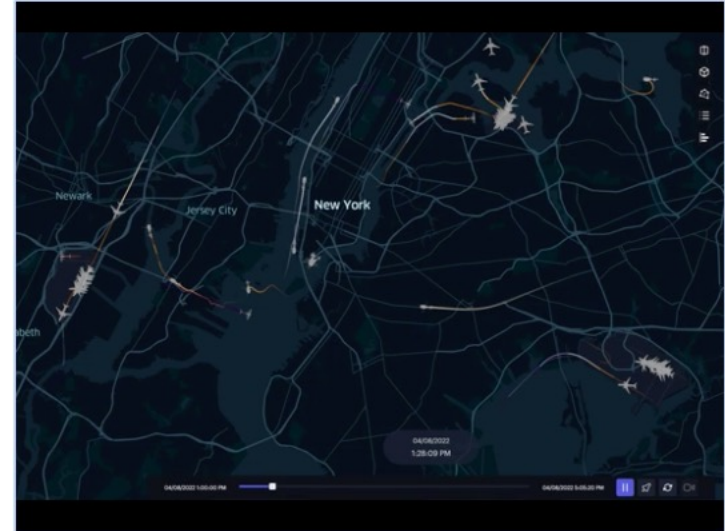
# Joby Airspace

## Airspace Integration

Develop airspace access plans for areas of interest, create tools and procedures to support initial ops, and identify airspace barriers to operating at scale.

## Unlocking Scalability

Solve airspace integration challenges and enable scalability by leveraging external engagements.



# Take Flight





*Over 1,000 test flights  
(30,000+ flight miles)*





The logo for Joby, featuring a stylized white symbol on the left and the word "Joby" in a white, italicized sans-serif font on the right, all set against a black background.

*Joby*