



# A Sustainable Future for Aviation

# A250

eVTOL

## Lift+Cruise Design

A simple lift+cruise design enables the most direct and least complex path to electric vertical flight

## Lift propellers

Propellers reduce drag when in fixed position during cruise

## Distributed electric propulsion

Redundant, power-dense, in-house designed electric motors enable zero emissions vertical flight

## Pusher motor

A reliable pusher motor enables efficient flight in cruise



# Versatile Use Cases

We designed our aircraft to fulfill missions for a diverse mix of operators, including critical mission sets like medical cargo delivery and patient transport, and economic mission sets like middle- and last-mile commerce delivery.



## Government Partners



## Cargo Customers



## Medical Customers



## Passenger Customers



# Demonstrated Performance

- Operating under Market Survey flight certificate from FAA
- Qualification evaluation flights with FAA, U.S. Air Force, Army
- Louisville and back utilizing charging infrastructure (1,600+ mi)
- Bentonville and back utilizing charging infrastructure (2,400+ mi)
- Flown through Class B and C airspace
- Completed 336 nautical mile flight on five battery packs
- Completed first 50ft battery drop test (with FAA and NIAR)
- Completed 70% of Piloted Transition Envelope
- 3+ years of flights (*full-scale pre-engagement program*)



# FAA, Army, USAF Qualitative Evaluation Flights

All qual evals covered standardized safety and training procedures:

- Extensive ground school course covering every system on ALIA, taught by the SMEs that designed them
- Dedicated simulator training with current BETA test pilots, flying the planned test route and practicing emergency procedures
- Real-world flight of our aircraft, with a BETA test pilot in left seat



# Reaching Net-Zero Aviation by 2050



U.S. DOT Secretary Pete Buttigieg sits in BETA's ALIA aircraft at UPS WorldPort

# Creating Clean Energy & Manufacturing Jobs

In April, First Lady Dr. Jill Biden and the U.S. Secretary of Education Miguel Cardona visited BETA as part of a four-state tour highlighting companies that are promoting workforce development and clean jobs in America.

- BETA has created 500+ jobs across North America, primarily in non-urban locations
- BETA is opening a full-scale, energy efficient 180,000 sq ft manufacturing facility in summer 2023, and our continued growth will support a domestic supply chain
- The growth of this industry promises to be a boon for clean aerospace jobs - we anticipate hiring an additional 500+ new jobs in advanced manufacturing roles over the next 3 years



Vermont Public | By Joia Putnoi  
Published April 5, 2023 at 6:46 PM EDT

**Jill Biden in Vermont: 'What you are doing in this community is the future of our workforce'**



# Building an eVTOL Pilot Pool



The eVTOL market is expected to exceed \$1.75 bn by 2028<sup>1</sup> and has the potential to add 234,000 jobs to the U.S. economy by 2035.<sup>2</sup> These high-skilled jobs in manufacturing, design, and infrastructure will be critical to support a domestic supply chain.

To make this industry a reality at scale, estimates show that **tens of thousands of pilots will be needed for the AAM industry by 2028**<sup>3</sup> to accommodate the projected demand.

1. [Bloomberg](#)

2. [Deloitte](#)

3. [McKinsey](#)