

HONEYWELL ADVANCED AIR MOBILITY

UNLOCKING THE SKIES

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VP/GM ADVANCED AIR MOBILITY

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Honeywell

OUR VISION. YOUR FUTURE.



100-MILE TRIP IN
45 MINUTES BY AIR TAXI



SAME-DAY PACKAGE DELIVERED
ANYWHERE BY AUTONOMOUS AIR CARGO

DISRUPTIVE AVIATION MADE POSSIBLE

LOW COST

Electrification, automation and vertical takeoff + fixed wing cruise flight **reduce operating cost by 35%–75%**

QUIET OPERATIONS

Small rotors with low tip speed leads to **100x quieter operations** compared to helicopters

HIGH SAFETY

Multiple rotors and automated flight control **eliminate single point failure** and supports robust vertical takeoff

SUSTAINABLE

All-electric powertrain **eliminates pollutants and carbon emissions** at point of application



AAM STATE OF THE MARKET

SEP 25, 2023

Joby Delivers First eVTOL Aircraft to Edwards Air Force Base Ahead of Schedule

Joby Aircraft Becomes First Electric Air Taxi Delivered to the U.S. Air Force; Believed to be the First Electric Air Taxi Delivered in the U.S.; Aircraft will be Used to Demonstrate Logistics Missions on Base, Flown by U.S. Air Force Pilots; Delivery is Part of Joby's \$131 Million Contract with the DOD

SHARE   



Vertical Aerospace's VX4 eVTOL air taxi completes First Test Flight



NEWS

Flying Taxis Make Their Landing At Paris Air Show

BY TRAVEL + LEISURE 24 Jun 2023 12:00 PM

BETA continues rollout of electric aircraft charging network with Archer Aviation as customer

Source: Dailymail.com



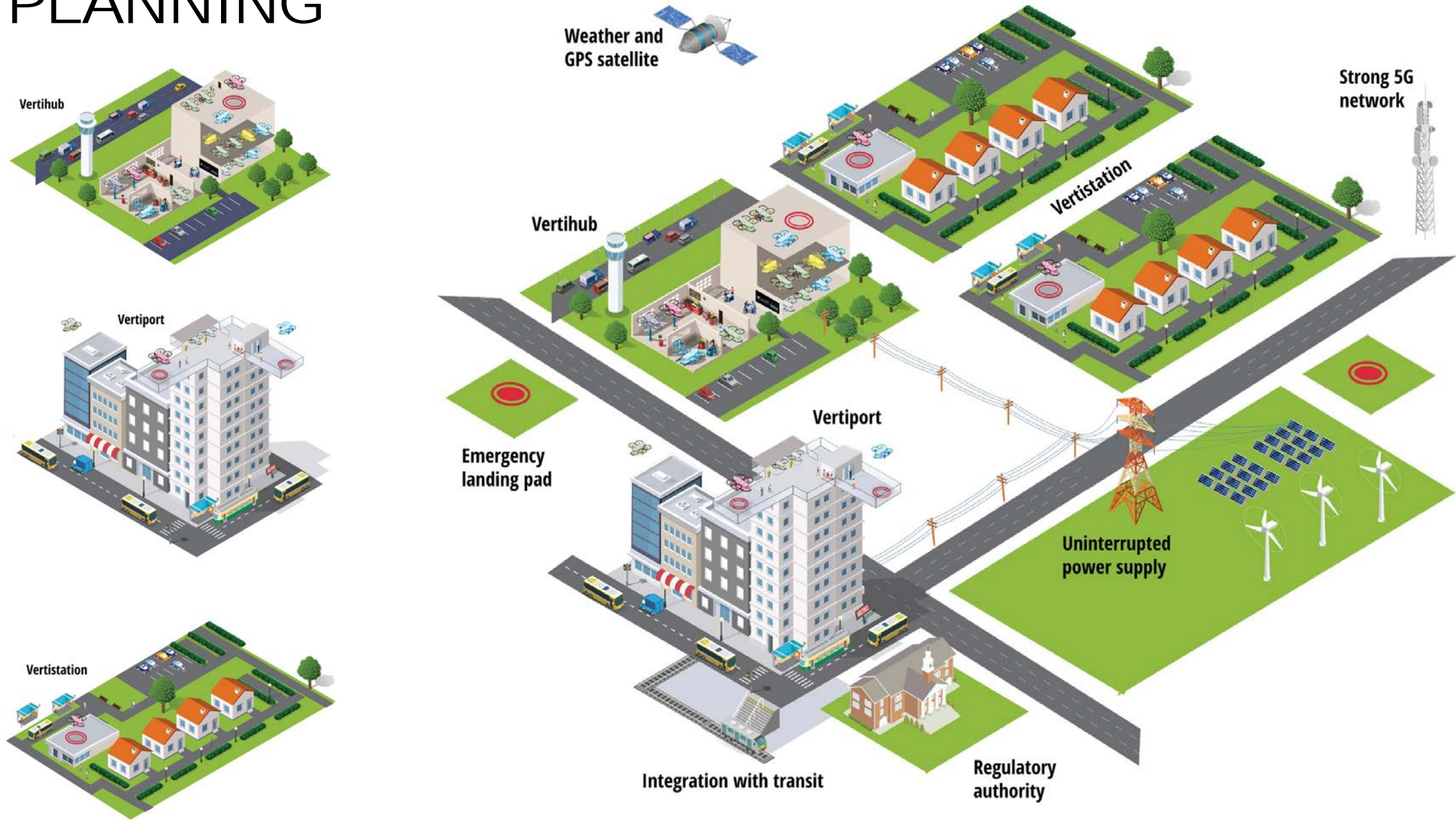
EHang's autonomous eVTOL aircraft obtains type certification in world first

Source: EHang.com



Deliveries and Certification in 2023 / First Operations in 2024

PLANNING



CARGO

FedEx and Elroy Air to Test Autonomous Hybrid eVTOL

The uncrewed hybrid electric vertical takeoff and landing (eVTOL) aircraft is designed to carry 500 pounds up to 300 sm.

By [Thom Patterson](#)

Mar



Chaparral is described as "the first end-to-end autonomous" [Courtesy: FedEx]



OEM LANDSCAPE



HONEYWELL UAM/UAS

DEDICATED BUSINESS UNIT

to address the needs of the uncrewed aerial systems and urban air mobility, with a specific focus on transportation applications

OUR VISION

AIR CARGO

is autonomous from warehouse to your house – same day delivery anywhere in the populated world

REGIONAL AIR TRAVEL

is ubiquitous with electric urban air taxis that pick up and drop off passengers in every neighborhood

DEFENSE SYSTEMS

are supported with attritable drone systems that improve communication, coordination and safety

HONEYWELL MAKES THIS FUTURE A REALITY

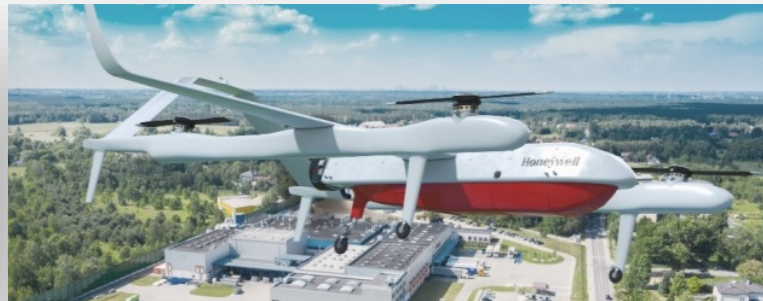
by providing vehicle systems and integration for OEMs across all vehicle categories

COMPLETE SYSTEM
for integration & value

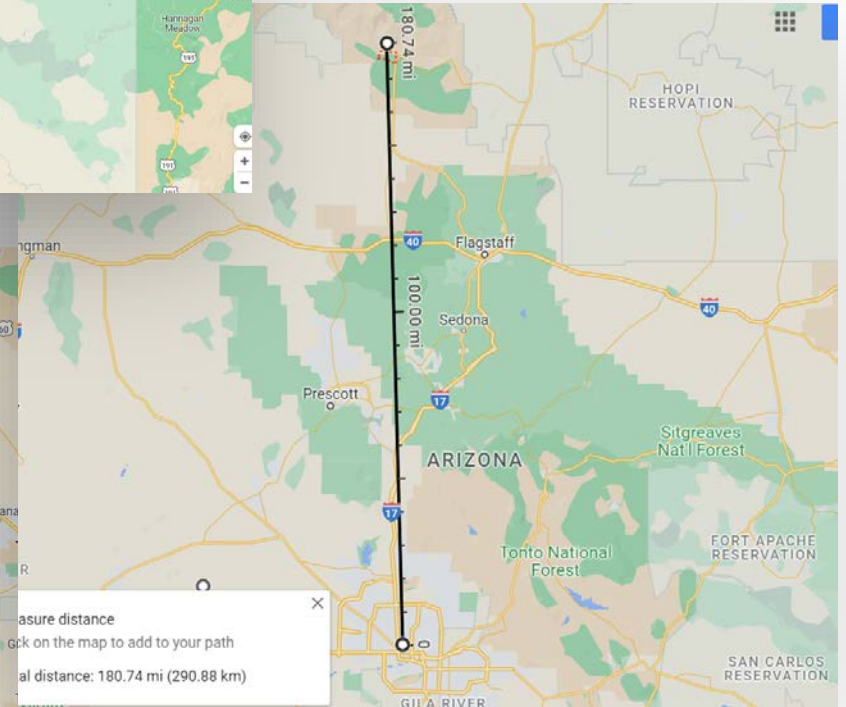
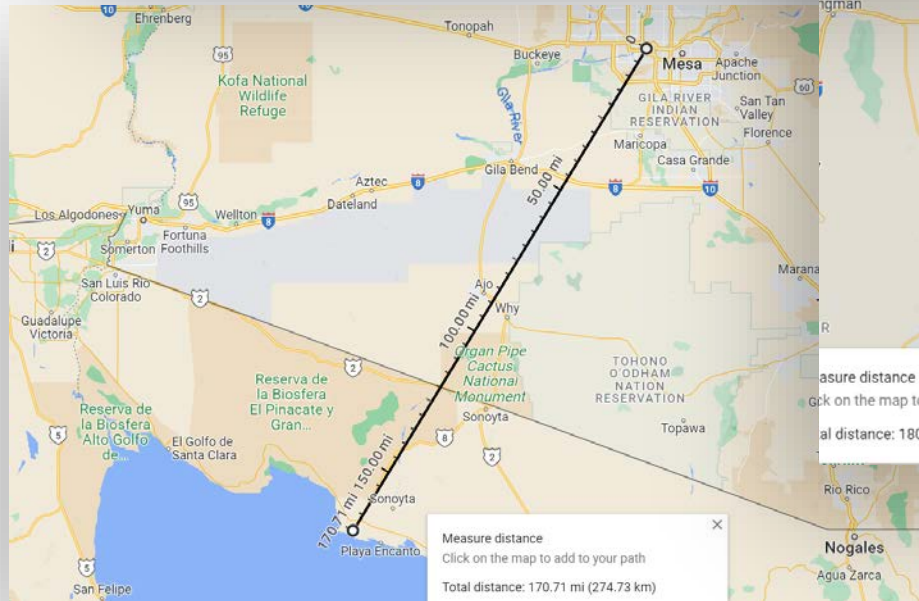
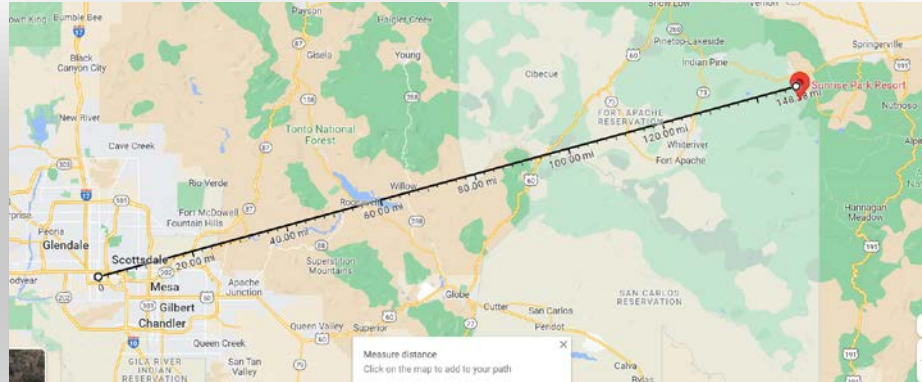
MAJOR SUB-SYSTEM
to balance modularity with specialization

INDIVIDUAL PRODUCTS
to create a unique system

INTEGRATED PROPULSION AND AVIONICS SYSTEM	
INTEGRATED PROPULSION SYSTEM	INTEGRATED AVIONICS SYSTEM
Thermal management	Compact fly-by-wire
Turbo-generated electricity	Vehicle management
Motor	Actuation
Motor control	Detect and avoid
Battery management system (Partner)	Communications



AZ MISSION OPTIONS



REACHING TOMORROW'S POTENTIAL, **TODAY.**

Honeywell is building the **critical systems** that make disruptive aviation possible.



THANK
YOU

Honeywell