

PAST, PRESENT & FUTURE OF PERSONAL MOBILITY

Presented By:-

Tim Jackson

Author of new book “Dude, where’s
my Flying Car?”

Rotary

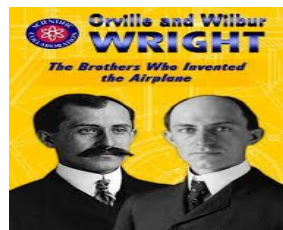
Club of Mesa West



Early Cycles



Early Planes



Early Motorcycles



Early Cars



In past ten years

There have been 423,689
traffic fatalities

While

There have been "0"
commercial aircraft fatalities

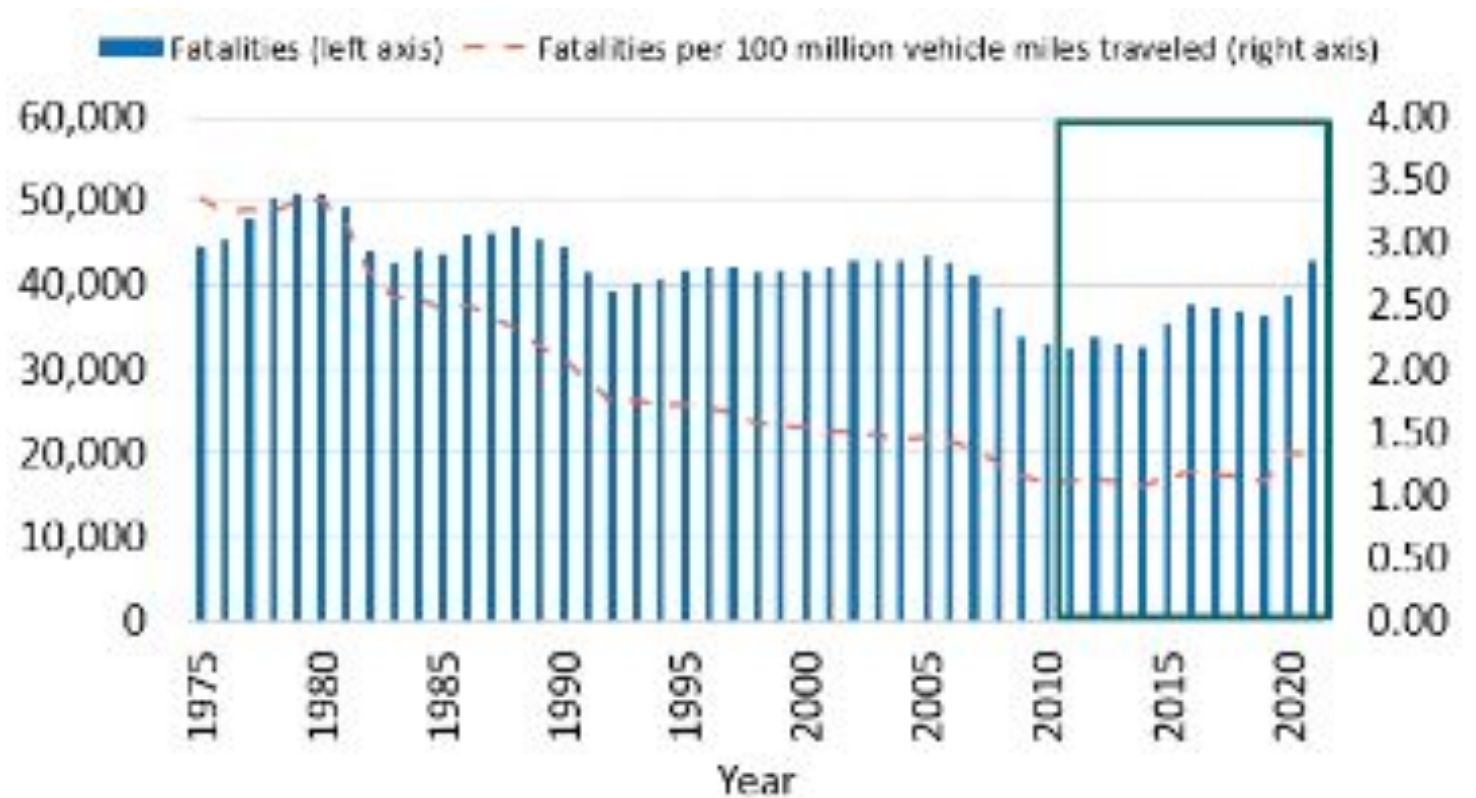


Traffic Fatalities

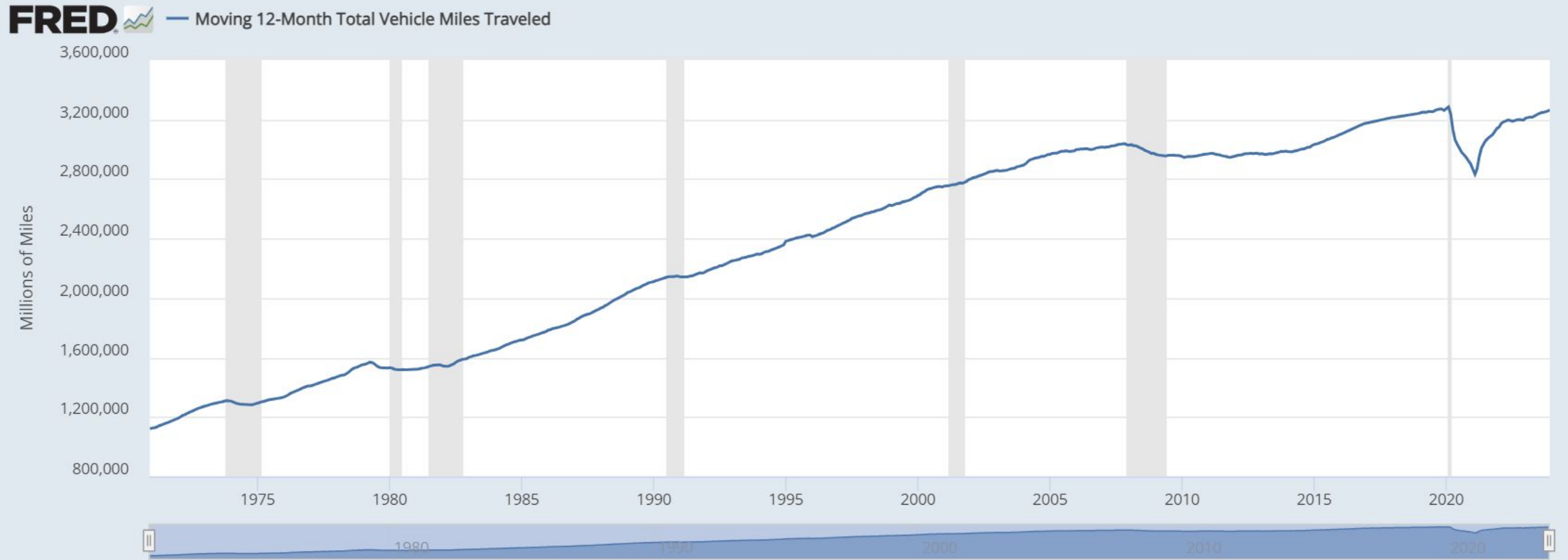
According to the graph it can be concluded that the number of deaths per vehicle miles travelled has decreased with the development of transportation & mobility facilities in US.

The National Highway Traffic Safety Administration has released its latest projections for traffic fatalities in 2022, estimating that 42,795 people died in motor vehicle traffic crashes.

This represents a small decrease of about 0.3% as compared to 42,939 fatalities reported for 2021



Vehicle Miles Traveled



Shaded areas indicate U.S. recessions.

Source: U.S. Federal Highway Administration

fred.stlouisfed.org



Traffic congestion



New cars are virtually emission free



Automotive sector has reduced brown cloud emissions 99 percent in past 50 years

And has reduced carbon emissions by 28 percent in past ten years

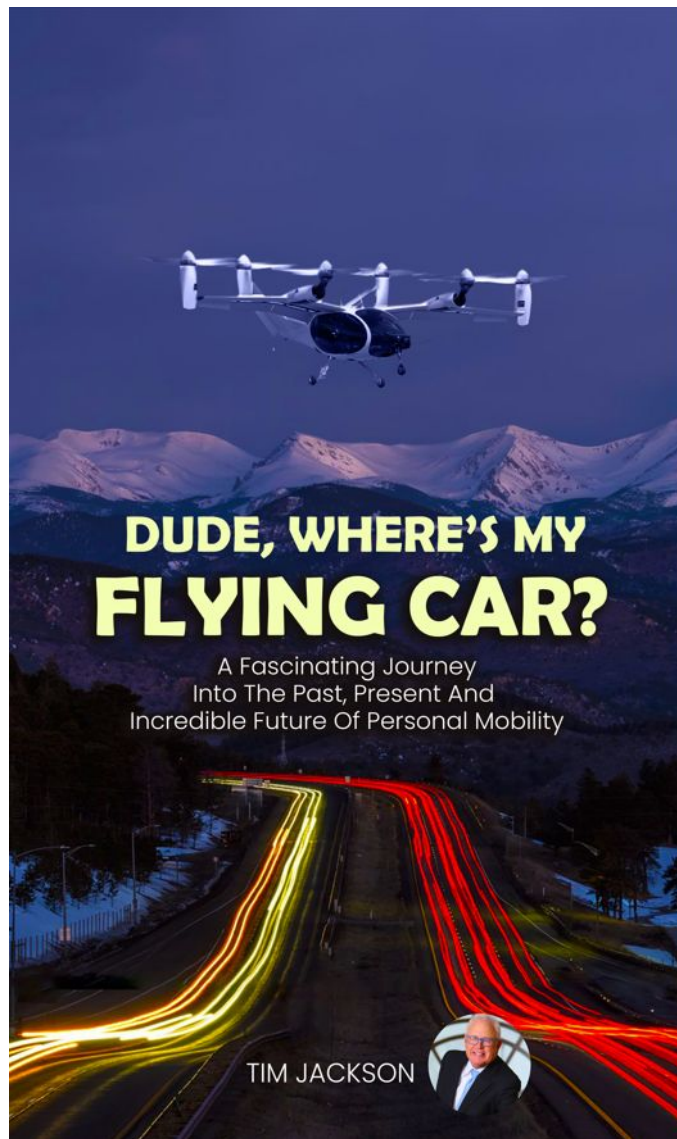
Aviation has not seen any significant decreases in pollution

eVTOLs will be all electric. Its aviation's way of reducing GHG emissions



Book covers for forthcoming release - Dude, where's my flying car?

I'm out conducting presentations ahead of the release of the book, expected to land Q1 2024.





Update Announcement;

The popular new book “Dude, where’s my flying car? A fascinating look at the past, present and incredible future of personal mobility”

Is now available as an e-book on Kindle. It’s moved from two to three formats:

- Hard cover
- Soft cover
- E-book (Kindle)

Soon it will be available as an audiobook.

Over the five days it’s been available in some form it has been:

- #1 New Release - Automotive
- #1 New Release - Aviation
- #1 New Release - Transportation
- #1 New Release - Mass Transit
- #7 Overall Amazon new release (soft cover)
- #15 Overall Amazon new release (hard cover)

More news ahead. Fasten your seat belt, your Flying Car 🚁 book 📖 is about to take off.

I’m still working to get re-scheduled at Tattered Cover Colfax, my favorite bookstore.

Stay tuned. More events are in the works.

Drone Delivery Services

Drone delivery services utilize unmanned aerial vehicles to transport goods from one location to another. Companies like Amazon Prime Air and UPS Flight Forward are pioneers in this field. Customers place orders online, and drones autonomously fly to the destination for rapid and efficient deliveries.

These services aim to revolutionize logistics, particularly for small packages and time-sensitive deliveries, by reducing delivery times and environmental impact.



Drone Light Show

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EXCLUSIVE

Flying Taxis Are Coming in 2024. You Read That Right

Flying cars, air taxis, skyways: The future of local travel is taking flight. But are we ready to leave the land and take to the sky?

BY MARC WORTMAN





A REPORTER ALOFT

ARE FLYING CARS FINALLY HERE?

*They have long been a symbol of a future that never came. Now a variety of companies are building them
—or something close.*

By Gideon Lewis-Kraus

April 15, 2024



Ten years ago, Founders Fund, issued a manifesto. Frustrated with the pace of new technologies to improve lives, Peter Thiel: "We wanted flying cars. Instead, we got 140 characters."



AIR AND SPACE

IT'S A BIRD, IT'S A PLANE...

Boeing wants to have flying cars by 2030

A company executive revealed the plans in a new interview

By **Melvin Backman**

Published 6 hours ago | Updated 30 minutes ago

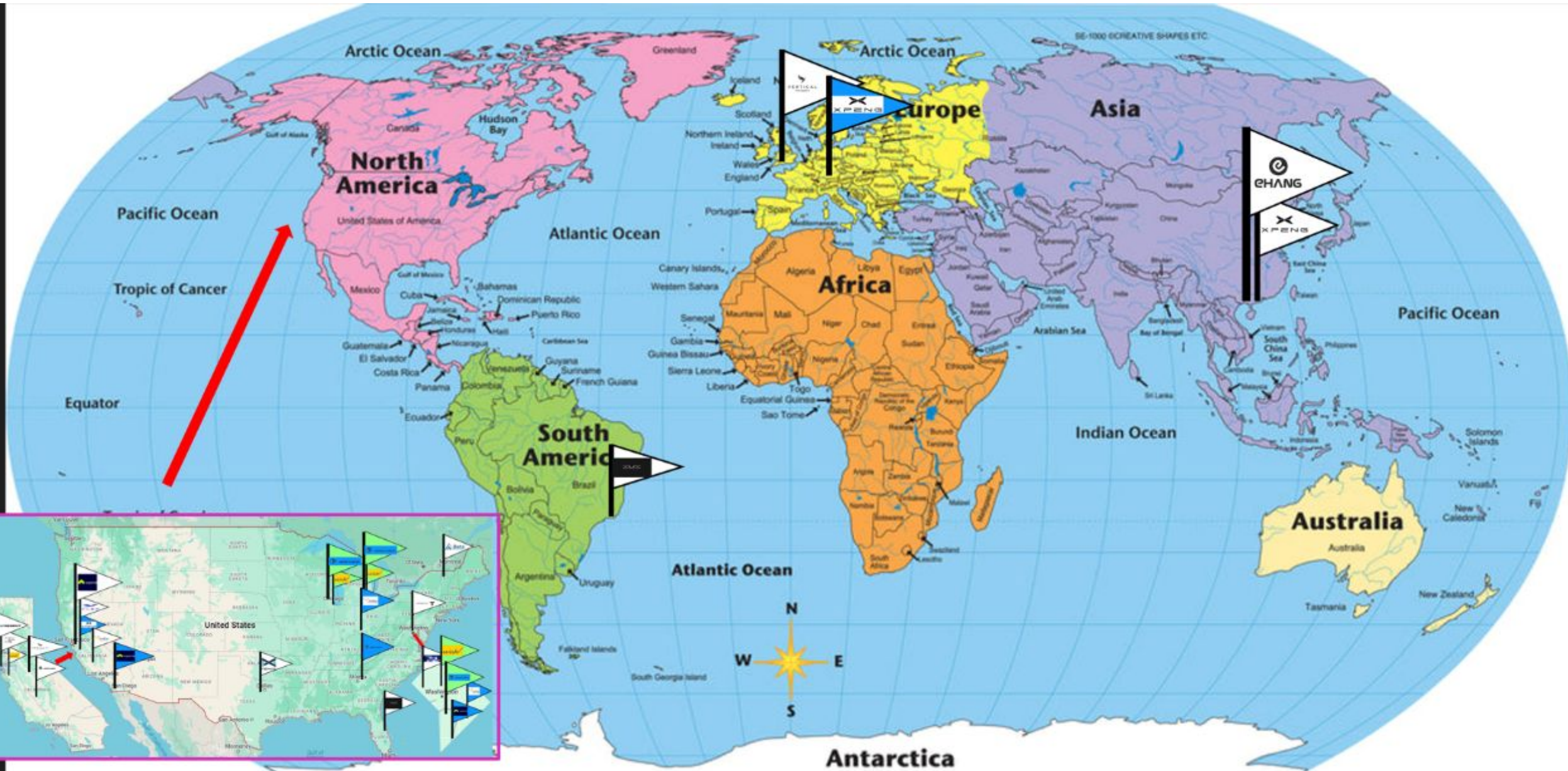
We may earn a commission from links on this page.



A Wisk Aero craft Photo: Mike Blake (Reuters)



World Map of VTOL Sites



Movies, television and books have predicted flying cars for decades.

For decades, movies, TV shows, and books have envisioned a future with flying cars, capturing our imaginations. Iconic examples include "Back to the Future," "The Jetsons," and "Blade Runner."

While real-world flying cars haven't become ubiquitous, ongoing developments in autonomous drones, urban air mobility, and electric aviation bring us closer to the futuristic visions portrayed in media. The persistent fascination reflects our collective desire for technological innovation and a transportation evolution beyond traditional bounds.

I personally have been interested in flying cars since I've always been a car guy and a private pilot since age 19.



**I've moved from a
skeptic to a
believer when it
comes to VTOLs**



**I've been
moved from
asking the
question IF, to
asking the
question
WHEN?**



Investment in eVOTL start-ups is energized right now from three primary categories:

Aircraft Manufacturers

Boeing

Airbus

Embraer

Bell Helicopter



Investment in eVOTL start-ups is energized right now from three primary categories:

Major Airlines

United Airlines

Delta Airlines

American Airlines

JetBlue



Investment in eVOTL start-ups is energized right now from three primary categories:

Automakers

Ford

Honda

Hyundai

Toyota

BMW

Cadillac

Mercedes

Stellantis

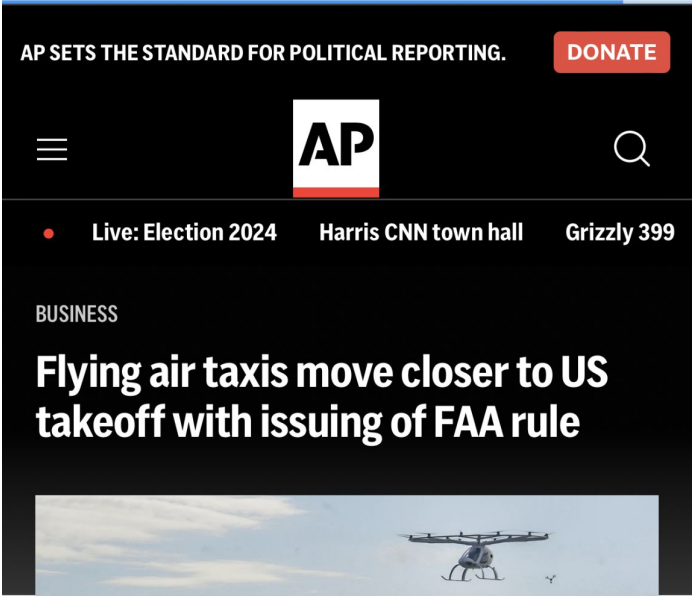


"New vocabulary for an all-new industry"

- Vertical Take-off and Landing vehicles - VTOLs
- electric Vertical Take-off and Landing vehicles - eVTOLs
- Flying cars
- Flying taxis
- Air taxis
- Passenger drones
- Urban Air Mobility (UAM)
- Advanced Air Mobility (AAM)
- Vertiports (place to land and takeoff in VTOLs) - Think heliports

“Who will regulate flying cars and air taxis - Urban Air Mobility and Advanced Air Mobility

Federal Aviation Administration (FAA)



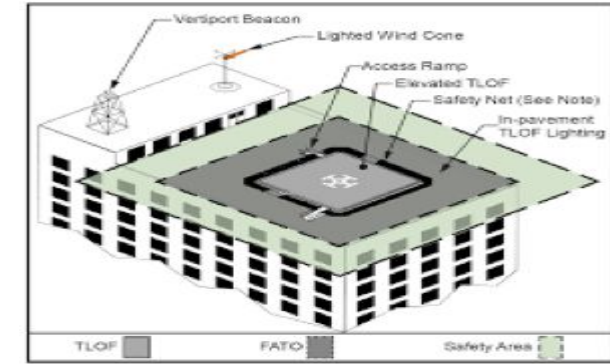
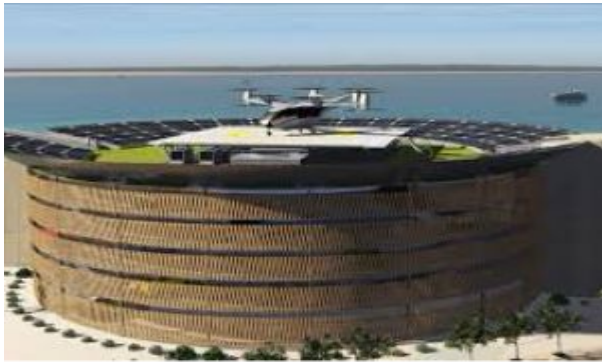
FILE - An electric vertical takeoff and landing (eVTOL) aircraft, flies above the eVTOL aircraft, during a demonstration.

BY THE ASSOCIATED PRESS
 2:43 PM PDT, October 22
 Share



FAA Administrator Mike Whitacre signed a new 850-page regulation into law, last Tuesday, October 22, at NBAA conference in Las Vegas. It creates regulatory recognition and authority for an entirely new class of aircraft, the first for the FAA in over 80 years.

Vertiports - where eVTOLs takeoff and land



ALEF eVTOL Rise Above



Jetson ONE
Jetpack





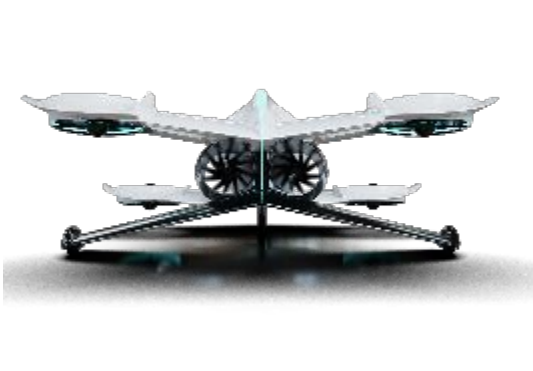
Xpang Aeroht

Pivotal Helix eVTOL

PIVOTAL



Doroni Aerospace



Wisk Aero



Archer Aviation



Flying VehiclesEVTOLFlying Cars

Flying Taxi Company Plans San Francisco Takeoff-Landing Network

Archer plans to develop takeoff and landing facilities in San Francisco, Napa, San Jose, Oakland and Livermore



Chuck Martin, Editorial Director AI &

IoT

June 21, 2024



4 Min
Read



ARCHER AVIATION



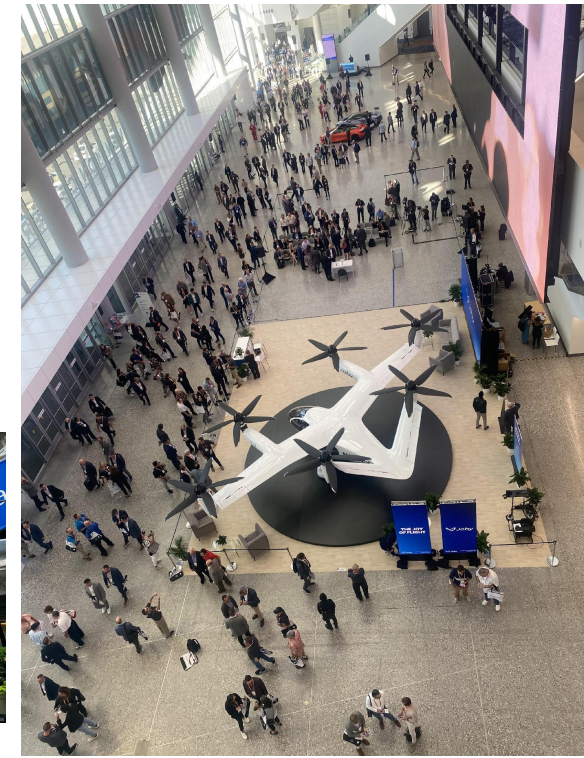
Flying taxi company [Archer Aviation](#) is planning to create an air mobility network connecting five locations across the San Francisco Bay area.

Archer plans to develop takeoff and landing



Usher Uses Midnight To Announce He's
"Coming Home" After His Iconic Performance

Joby Aviation



WORLD'S FIRST

FLYING TAXI IN DUBAI



Boeing PAV



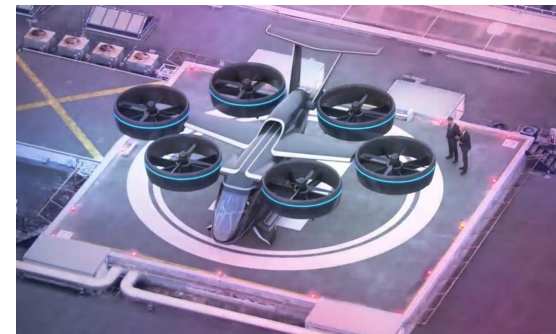
Ehang 216



Embraer Eve



Bell Nexus



Lilium Jet





NEWS > TRANSPORTATION

SUBSCRIBER ONLY

'Flying cars' may be the next mode of travel for South Florida commuters

Will regulators be ready when electric flights reach for the skies?



Volocopter



Hyundai Supernal VTOL



Overair Butterfly VTOL



Paragon VTOL



Vertical eVTOL



Sirius Jet eVTOL



SkyDrive eVTOL



Joby Aviation to Build New Air Taxi Manufacturing Facility

Air taxi company Joby Aviation (JOBY) said Monday it's building a new manufacturing facility in Dayton, OH, that will be capable of delivering up to 500 aircrafts per year and generate about 2,000 jobs.



Beta opens electric aircraft production facility in Vermont

Beta said aircraft production has begun at its new large-scale manufacturing facility in Vermont. The company is finalizing installation of all manufacturing tooling and bringing subsystems production lines online.



Archer begins construction on Covington vertical takeoff aircraft facility

A company whose "mission is to unlock the skies" has begun construction on its new Covington facility that will produce hundreds of vertical takeoff aircraft annually.



Brazil's Embraer plans to build electric flying taxi factory near Sao Paulo

Embraer says it will build electric aircraft with hopes they will take flight from 2026.



SPECIAL REPORT 7 Off-the-Radar Stocks Get to
Travel on the Magni7 Fleet This Year

Flying Cars Are Getting Off the Ground. Invest In Archer Aviation Stock NOW.

Get on board ACHR stock, an early-stage leader in flight

By Matt Eugene, InvestorPlace Contributor | Apr 5, 2024, 1:44 pm EDT

Let's revisit possibility. [Learn More](#) 

• Archer Aviation (ACHR) is

Home / Modern Flying / Beta Technologies - Signature Aviation to Install Beta's Aircraft Chargers at 3 Airports

ADVANCED AIR MOBILITY

Beta Technologies, Signature Aviation to Install Electric Aircraft Chargers at 3 Airports

The partners have already installed a system at Manchester-Boston Regional Airport, with plans to add Frederick Municipal Airport and Charlottesville-Albemarle Airport.

By Jack Coleo March 7, 2024



Beta's electric conventional takeoff and landing (eCTOL) Ais is one of many electric vehicles that could plug into chargers at Signature Aviation terminals. [Courtesy: Beta Technologies]



Archer, Atlantic Aviation to develop eVTOL infrastructure

Sites include Los Angeles, Northern California, South Florida, and New York City



Archer Aviation and Atlantic Aviation are set to develop future eVTOL operations via agreement with Archer Aviation

POSTED BY FIVE BROTHERS | JANUARY 19, 2024

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Archer Aviation to launch air taxis in Abu Dhabi in 2026

Rebecca Bellan

@rebeccabellan / 2:02 pm PDT • October 16, 2023



Image Credits: Archer Aviation

Electric vertical takeoff and landing (eVTOL) vehicle

electrek

Joby Aviation to launch eVTOL air taxi rides in UAE, granted six years of exclusive operations in Dubai

by Scooter Dill Feb 11 2024 - 6:48 am PT | 24 Comments



Flying Vehicles EVTOL

Flying Vehicles Targeted for Aerial Tourism; Pilotless in China

Xishan Tourism signed a purchase agreement for an additional 450 electric aerial vehicles over the next two years



Chuck Martin, Editorial Director AI & IoT
May 31, 2024

4 Min Read



EHANG

Wisk's autonomous flying taxi service set to take off in Texas by 2030

An UberX for the skies?

by Rob Thubron February 22, 2024 at 10:17 AM | 9 comments





Q&A

- 1) **How high will VTOLs fly? Expected between 1500 feet to 10,000 feet, though FAA rulemaking will define more clearly.**
- 2) **What will power VTOLs? Most are expected to be battery-electric vehicles, though like the auto industry, hydrogen fuel cell and hybrid are being explored.**
- 3) **Will VTOLs fly autonomously? Yes, eventually. However, all the startup entrants anticipate using pilots until autonomous technology is perfected.**
- 4) **How soon will VTOLs first be operational? Several startups predict 2025. My estimate is later, 2030. At first, they will use very limited pre-determined routes.**

THANK
YOU!

