

FLYING WITH A CONSCIENCE

ZERO-EMISSION VEHICLES TECHNOLOGIES: WHAT'S HERE AND WHAT'S NEXT

Presented by Tom Watson



**AVIATION
TODAY IS
RUINING
OUR
PLANET**

**THE AVIATION
INDUSTRY IS
RESPONSIBLE FOR
C.12% OF ALL
TRANSPORTATION
CARBON EMISSIONS
ANNUALLY.**

AVIATION EMISSIONS IN THE US

ACCORDING TO THE ENVIRONMENTAL &
ENERGY STUDY INSTITUTE...

- 25% of all Aviation Emissions come from within the United States
- 85% of all Aviation travel within the United States is Short Haul (less than 3 hours)
- 30% of CO₂ emissions remain in the atmosphere for 30 years, 50% for hundreds of years and 20% for thousands of years
- Contrails make up 30% of exhaust. Its warming effect is so large today that it exceeds the total warming influence of all of the CO₂ emitted by aircraft since the beginning of powered flight
- By 2050, commercial aircraft emissions could triple given the projected growth of passenger air travel and freight

What's Coming & When?



AVIATION
ALICE

Range: 440NM

Year: 2024

8 PAX



JOBY AVIATION

Range: 150 miles

Year: 2024

4 PAX



WISK AERO

Range: 25 miles

Year: 2024

2 PAX



HEART - ES19

Range: 250NM

Year: 2026

19 PAX

WHAT NEEDS TO BE DONE AND WHEN?

2021

- Lack of EV Aircraft Support
- Nonexistent charging infrastructure

2024

- 150 airports EV ready
- Primary and Secondary/Diversion Infrastructure in place across 10% of the USA

2030

- 1500 airports EV ready
- Primary and Secondary/Diversion Infrastructure in place across 100% of the USA

WHAT OBSTACLES MIGHT WE FACE?

- Airport Flowage Fees
- Who is going to pay for these units?
- Cost of new technology is expected to be much higher to deliver Fast Charge
- Skepticism over Battery safety
- FAA Approval delays



**THE TIME TO
ACT IS NOW**

INVEST IN THE FUTURE, TODAY.

It's time to come together and lead the change. While the task may seem daunting, the truth is that electric aviation and grid modernization are entirely possible.

We know what we have to do, we just have to begin. Time is of the essence. If we want to make meaningful and impactful change, we must start today.

LET'S TALK



THOMAS WATSON

Co-Founder of eviAir

EMAIL ADDRESS

tom@flyevi.com

PHONE NUMBER

+1 (832) 594-2665