Team LuftCar

Title- Hydrogen-powered air and road car-true flying car!

LuftCar LLC is a company based in Orlando Florida developing LuftCar, a true flying car!

LuftCar is a hydrogen powered, modular autonomous Air and Road Mobility eVTOL vehicle. The air vehicle can detach from the road vehicle providing uninterrupted air and road mobility.
Air vehicle flies 300 miles at 220 mph max speed and at 4000 ft altitude.
Road vehicle travels 150 miles.

Only 2% of passengers choose air travel for distances up to 500 miles, primarily due to 1) the high cost of air travel, 2) time wasted in waiting at airports and 3) the need to still rent a road vehicle at the destination.

People living in disadvantaged communities who do not own their own vehicles have very few mobility options to meet their basic travel needs and face chronic problems that reduce their quality of life and productivity. Rural transit service is often expensive, infrequent, and hard to access because of long travel distances and low development densities. As job locations become increasingly dispersed, existing transit services are no longer adequate.

The vision for LuftCar is to create and commercialize a sustainable, affordable multipurpose modular autonomous air and road mobility vehicle for regional transportation, that would 1) provide the freedom to FLY their road vehicle over longer distances using clean energy 2) enable faster last mile delivery and emergency response solution connecting urban and rural

areas and 3) decarbonize airspace by creating a hydrogen powered air mobility vehicle.

LuftCar Impacts:

- Democratizing travel by connecting remote and rural areas at low cost per mile.
- Higher economic value and freedom of travel for family and personal mobility compared to aircraft travel between cities.
- Over $500B H2 sales by 2030
- Last mile delivery and fast delivery of cargo and services.
- Longer flight distances than that of competitors, enabling travel up to 300 miles.
- Air / road versatility, with $100 B market potential by 2030 in private mobility, shared vehicle, military, emergency response and healthcare.
- eVTOL from backyard, terrace or strategically located LUFTPADS.

Video URL- https://youtu.be/J-jWA5eFn-o

Key project members-

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Other partners-

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