

S A M S O N



# Flying Cars are actually here.

For real this time.







# Name the thing

- Roadable Aircraft = Motorcycle + Aircraft
- Ground Vehicle Classifications
  - NHTSA/FMVSS Motorcycle
- Aircraft Classifications
  - FAA Aircraft categories, Light Sport Aircraft, Experimental, Aircraft is Aircraft

# NHTSA/FMVSS MOTORCYCLE

- Two or Three Wheels.
- Self Certify Equipment Standards.
- Highway and Street Legal.
- Roadable Aircraft are enclosed, roll cage equivalent.
- Roadable Aircraft have safety belts.
- No need for helmets.
- Follows the same Regulations as a 3-wheeled Motorcycle/Autocycle



# FAA Aircraft Classifications

- Our First-Production Roadable Aircraft will be FAA Experimental Aircraft.
- There are more Experimental Aircraft registered per annum than all other General Aviation Certified Aircraft combined.
- Experimental Aircraft, no difference in registration.
- PAL-V will apply to the FAA for Light Sport Aircraft Certification, similar to what they were approved for in Europe.
- Again, no difference in registration.



# Things that are not Roadable Aircraft

- Flying Car, a marketing term
- Other vehicles that have different regulatory classifications
- FAA “Advanced Air Mobility”
- NHTSA “Low Speed Vehicle”
- E-VTOL



# Roadable Aircraft = Motorcycle + Aircraft



# Roadable Aircraft capabilities

- 12,000'+/- altitude (air)
- 300+ mile range (air)
- 90+ MPH (air)
- Highway speeds (ground)
- Passenger vehicle-sized (ground)
- 2 passengers + some luggage
- 91 Octane Automobile gasoline
- Light-weight materials and equipment

# Commercial Flight

- 45 minute drive to the closest international airport
- 1.5 hour for parking, security and boarding,
- + Flight Time
- 1 hour more for car rental to hotel.
- \$600 round-trip, one person
- Uber speeds up some of the ground travel but increases costs.

# Roadable Aircraft All The Way

- 15 minutes to Local Airport
- Refuel after 2 hours or 350 miles
- 15 minutes to hotel
- \$300 for fuel, two people

# People go places

- 1.9 Billion Long-Distance Leisure trips, per year.
  - 50-500 miles, 49% of trips are done by car.
  - 500+ mile trips, 30% are still done by car.
- 500 Million+ Long-Distance Business trips, per year.
  - 250-500 miles, 73% are still done by car.
- Air Travel options
  - Only 61 airports serve 80% of all commercial air travel.
  - 5000+ total useable airports.



# The Roadable Aircraft Ask

1. Registerable and licensable.
2. Allowed to operate.
3. Combined taxes, fees and processes, where able.