EViation

REPOWERING GENERAL AVIATION

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How to build it? What to build? Why?

Clean
Innovative
Quiet
Economical
Cheap
Roomy
Sustainable
Low-maintenance
Reliable
Hybrid? 600 miles
Easy Fly
Autonomous
Safe
Fast
200 kts

Eviation October 2015
using technologies that haven't been invented…

to solve problems, we don't even know are problems yet.

65% of today's grade schoolers, will hold jobs that don't yet exist

If you were born in the 1900s you would have had 3 jobs in your lifetime
If you were born in the 1910s you would have had 7 jobs in your lifetime
If you were born in the 1950s you would have had 15 jobs in your lifetime
If you were born in the 2000s you would have had 18 jobs in your lifetime
Adapt or die is dead
We live in
What does it mean?
Exponential Times
Disruption is the new normal
A century of mass-adoption of cars

The edge of our daily commute circle
EViation

A start-up company, aimed at the development and manufacturing of electric aircraft.
Regional-distance trips, of 50 to 750 miles are overwhelmingly served by personal vehicles.

A new breed of light aircraft that are quiet, fast, roomy, safe and easy to fly, could, should and eventually will challenge this dominance.

This new development in transportation will dramatically increase our potential daily commute range, changing cities, suburbs and rural areas.
Creating a new transportation reality

- Fast and comfortable
- Quiet and clean
- Extremely safe & easy to fly
- Cheap
- Versatile

- Electric Drive
- Cruises at over 200kts
- Range 600 miles
- Carries over 1100lbs
- Comfortably seats 4
- Highly autonomous

Evaluation October 2015
How do we build it?

Hybrid Battery
Al-Air+LiPo
400Wh/kg, 330kWh
sustain 100kW
peak 250kW

Complete ambient energy
management retrieves 10-13kW
off solar and thermal sources.

Synergy Aircraft
airframe
- 200kts for under 100kW
- Over 400Wh/kg
- 0.3C Possible

Autonomous TO/L full ground
station telemetry and control
options

Rechargeable
- Under 200Wh/kg
- 10C Possible

Liquid and Al reload in minutes

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Regulatory Implications

- Rapid volume increase and the highways in the sky
- Who is on board? Who is off?
- Roadmapping to Autonomy
- Security
THANK YOU