



RED DWARF AERO

HYDROGEN AIRCRAFT DESIGN & MANUFACTURING

Problem

According to IATA strategy, 13% of aviation should be Electric & Hydrogen by 2050. To achieve it,

78k

**Electric & Hydrogen
GA aircraft required**

2.5b t

CO2 emissions in 2050 without fleet renewal

0.003%

of total 2050 fuel demand is covered by today's Sustainable Aviation Fuel manufacturing capacity

15-20%

increase of operational cost (CASK) for an average GA aircraft due to introduction of mandatory emission offset

60%

of all 2030-2050 GA deliveries must be electric & hydrogen aircraft to achieve the 13% of IATA strategy

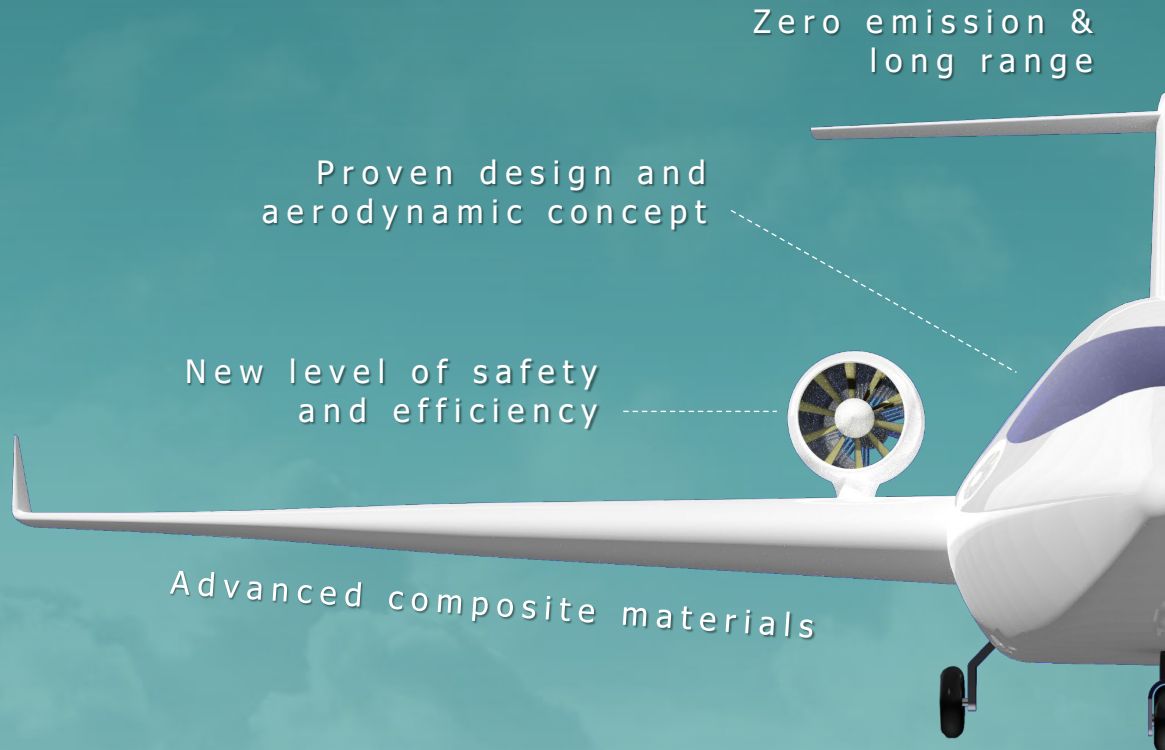
129b

Estimated GA airplane shipment in 2050

OPERATORS ARE OBLIGED TO BECOME NET-ZERO CARBON EMITTING BY 2050

Solution

Bringing to the global market a range of novel aircraft with:



- ✈ Conventional shape having clear means of compliance with regulations and fit existing operational models.
- ✈ Electric propulsion and associated simplicity, reliability, noiselessness, and low operational costs.
- ✈ Hydrogen fuel emitting no greenhouse gas and having enough power density for long-range flights.
- ✈ Internal structures rearranged to efficiently accommodate novel propulsion and fuel systems.
- ✈ All attributes and equipment required to set a new standard of passengers' experience.

Product

- ▶ ZERO EMISSION
- ▶ 70% LESS OPERATIONAL COSTS
- ▶ CERTIFIABLE & REALISTIC
- ▶ ADDRESSING EXISTING MARKET



 580
MAX CRUISE SPEED, KM/H

 1,000
PAYLOAD, KG

 9
PASSENGERS

 2,500
MAX RANGE, KM

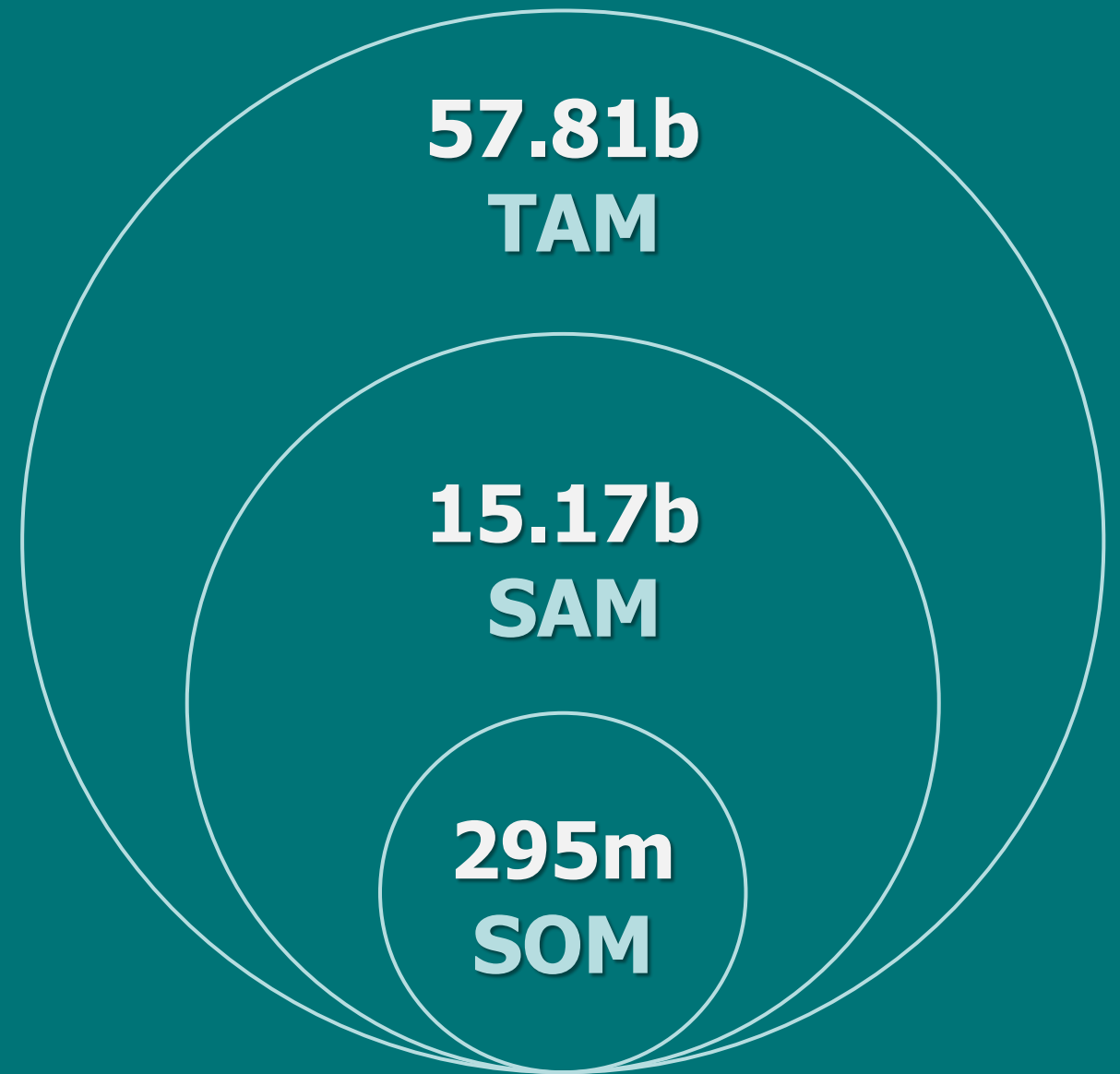
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ELECTRIC HYDROGEN POWERED AIRCRAFT

Market 2037

57.81b

Total Addressable Market

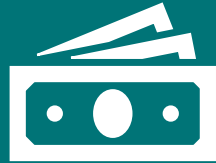


2037 when manufacturing reaches full capacity of 50 aircraft per year

Competitive Advantage



Access to the pool of excellent aircraft experts, and local society of aerospace professionals



Low OpEx due to excellent NZ business environment, low regulatory pressure and governmental support



Business model that can enter foreign markets without re-certification delays



Supportive Civil Aviation Authority with undemanded certification capacity



IP jurisdiction with high freedom to operate

Core Team



NATALIE Egorova

CBO & Co Founder

- MArch
- Certificate in Business
- Diploma in Management - Leadership
- Visioner & Futurist
- Marketing & Product Design
- 7 Years of Entrepreneur Experience



ALEX Egorov

CEO & Co founder

- BA (Hons), CSWE
- 12 Years in Aviation
- 3 Years of Entrepreneur Experience
- Avionics, Electric & High-pressure Systems Experience
- Aircraft Certification
- Lean Six Sigma



IVAN Vakhrushev

Chief Aircraft Designer & Co founder

- BA (Hons)
- 16 Years in Aviation
- Deputy Chief Designer roles
- Developer and IP Owner of Aeropract A-41 Airplane



w e k n o w w h a t t h e f u t u r e o f a v i a t i o n i s



TE RANGI

hydrogen aircraft



Don't miss out today's investment opportunity!
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