Car, Flying car, Air Car?

concept…

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NRA·78·54

unsustainability

sustainability

Reduction

Traffic jam prison

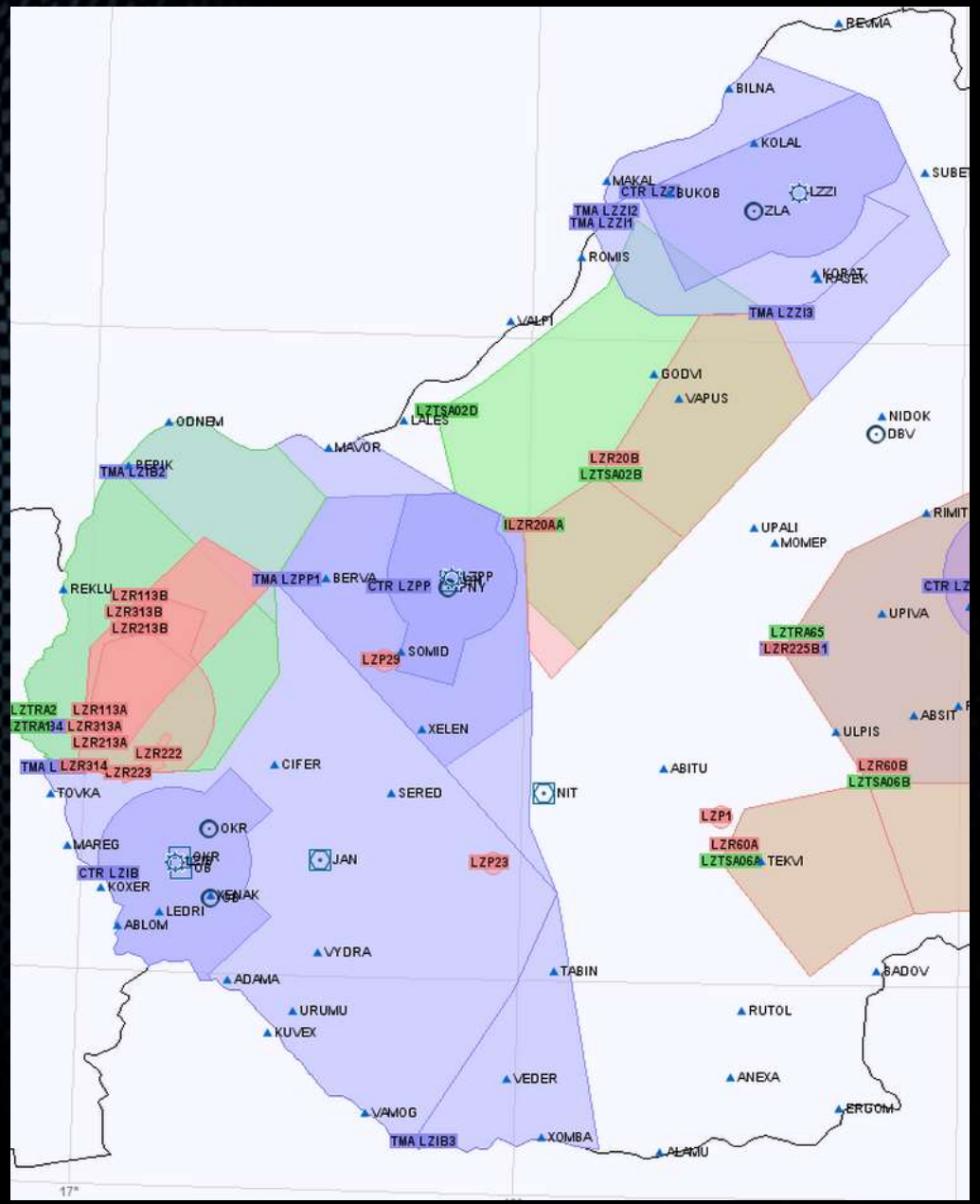
- World has reached the limit of everyday door-to-door transportation
- Size of the population that commutes 100 km+ every day in US equals the population of Washington (600.000+)
- 1 km of roads in used by 120 thousands of people in Euro Area every year

Airport prison

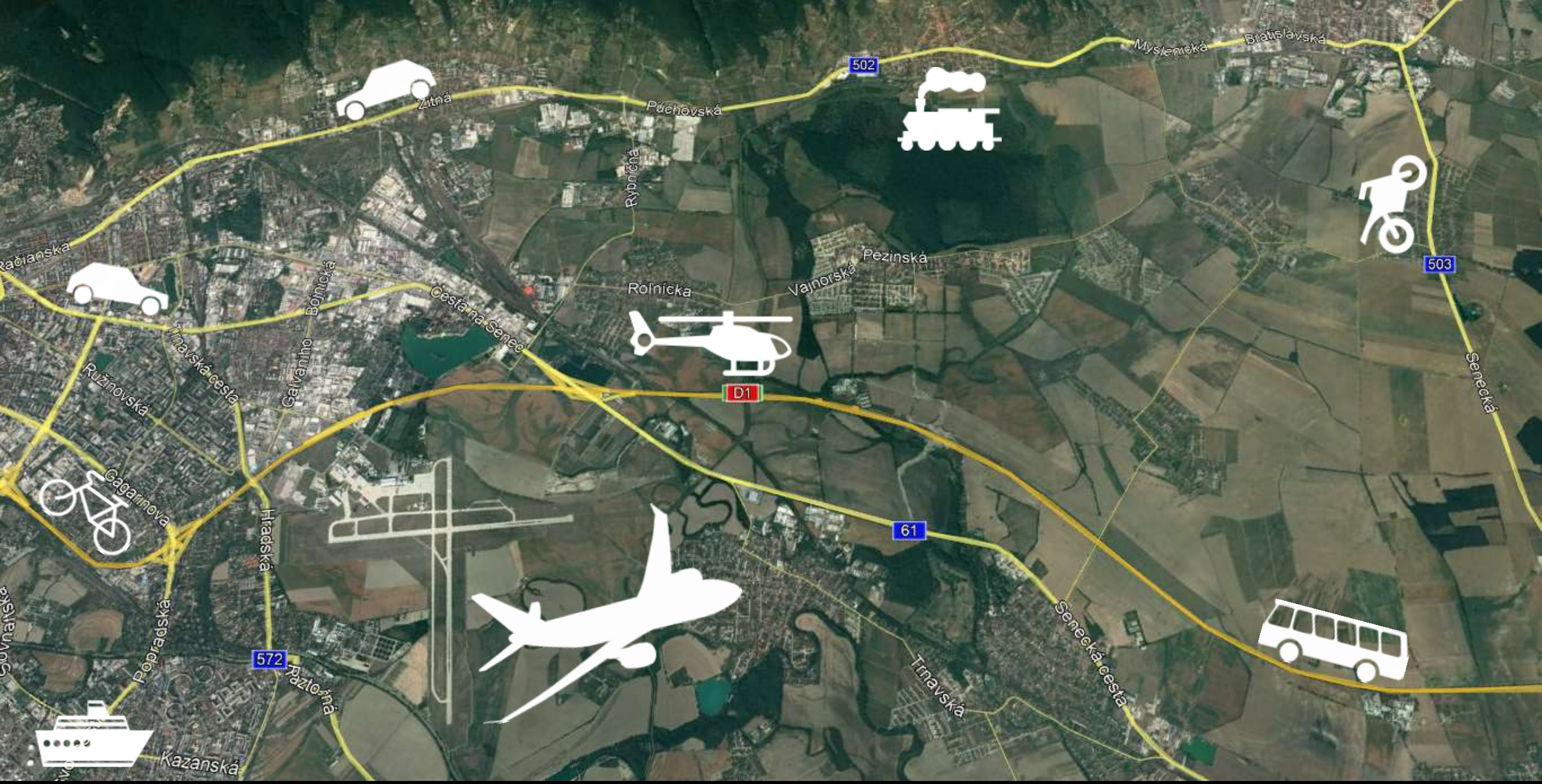
- Twice the population of China travels by air every year
- Every 3rd flight in EU is delayed
- Direct cost of air delays in US is 7,2 bil. USD

Status ?

TIP
TRANSPORT INTERNATIONAL POOL
TRAILER
RENTAL
GEORGE BRAZIL
Plumbing · Heating
Air Conditioning



New organization and use of the airspace in the single European sky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Bratislavská
502
Zitná
Púchovská
Rybničná
Račianska
Bojnická
Pezinská
Rolnícka
Vajnorská
Cesta na Senec
503
Trnavská cesta
Ružinovská
Galvaniho
D1
Senecká
Gagarinova
Hradská
61
Senecká cesta
Podpradská
572
Pažitná
Trnavská
Kazanská

800 km = 8 hours

800 km = 3,2 hours

Categorization

+

≠ Automobile

+

≠ Motorcycle

+

≠ FlyingCar

metamorphoses vs universality

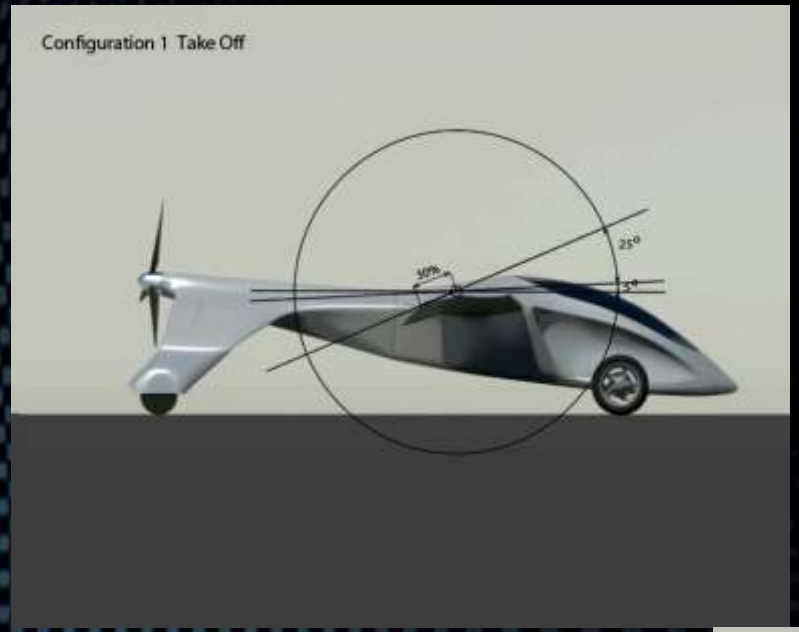
Aircraft vs. Car

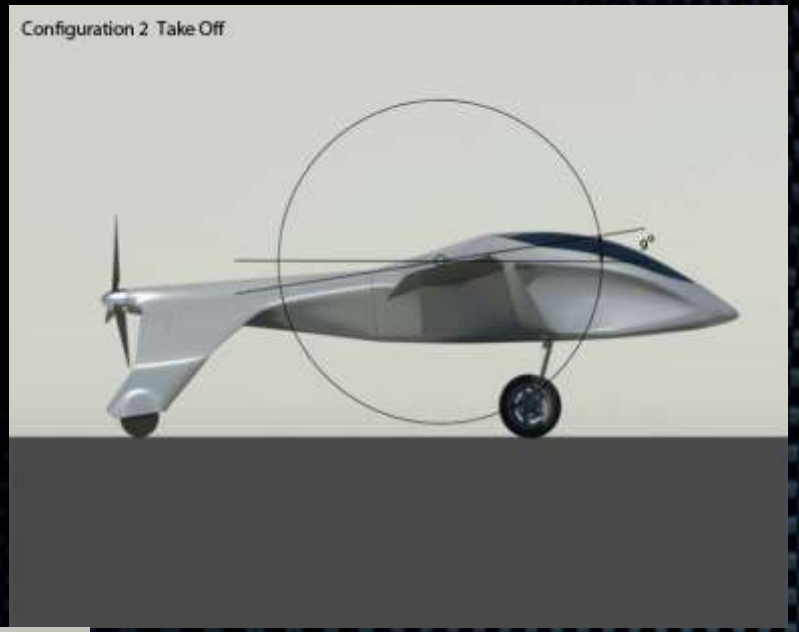
Aeromobil 1

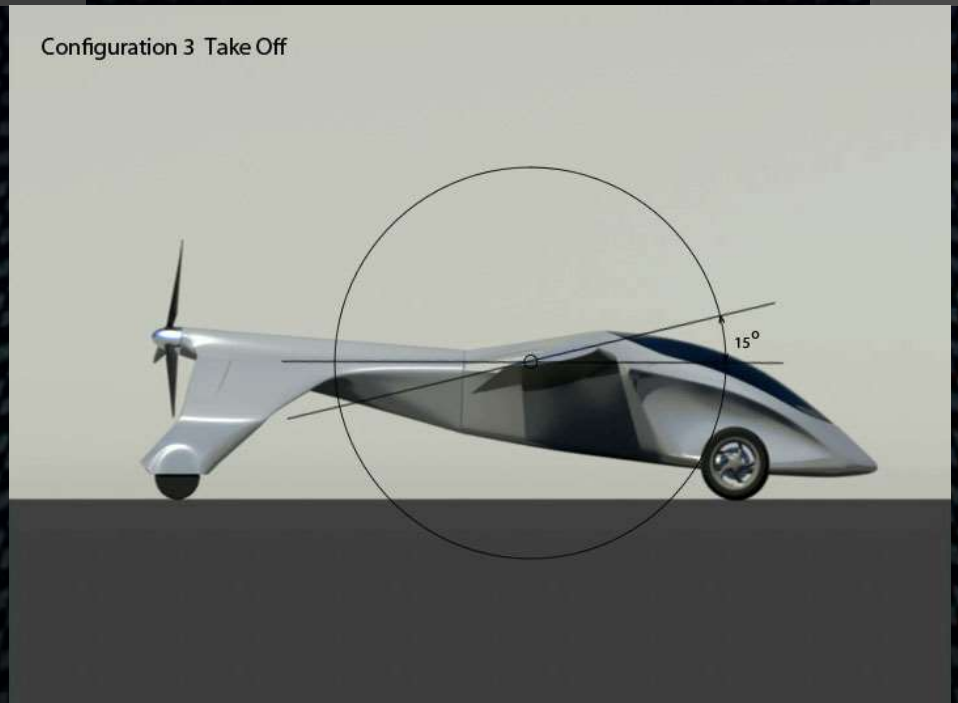
Aeromobil 2, model 1:1

Aeromobil 2, prototype

Take off configuration

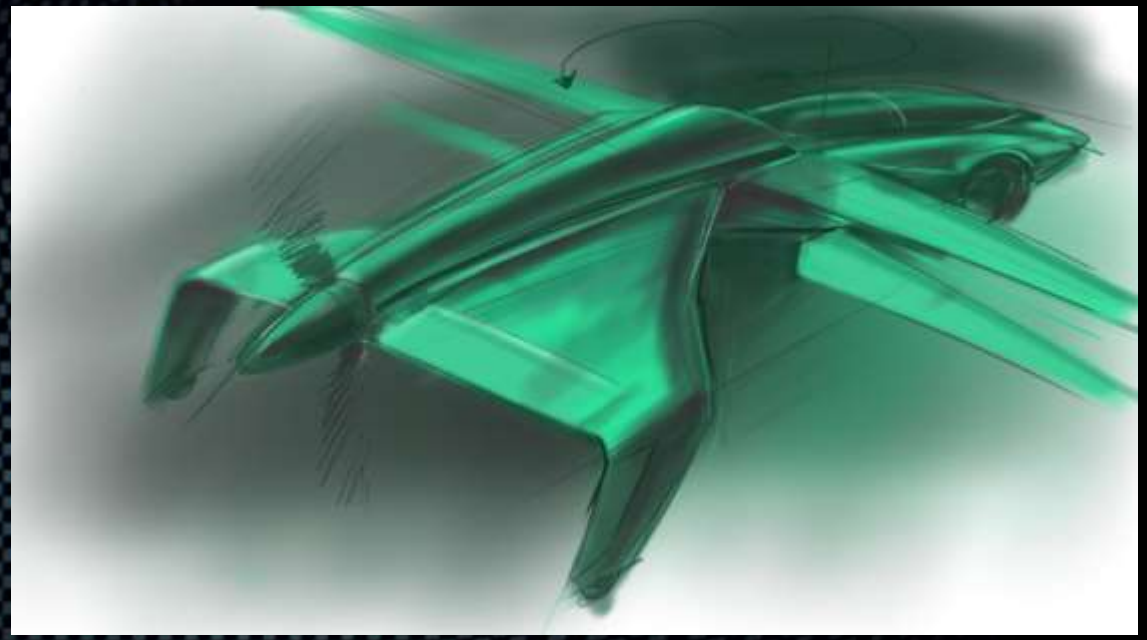


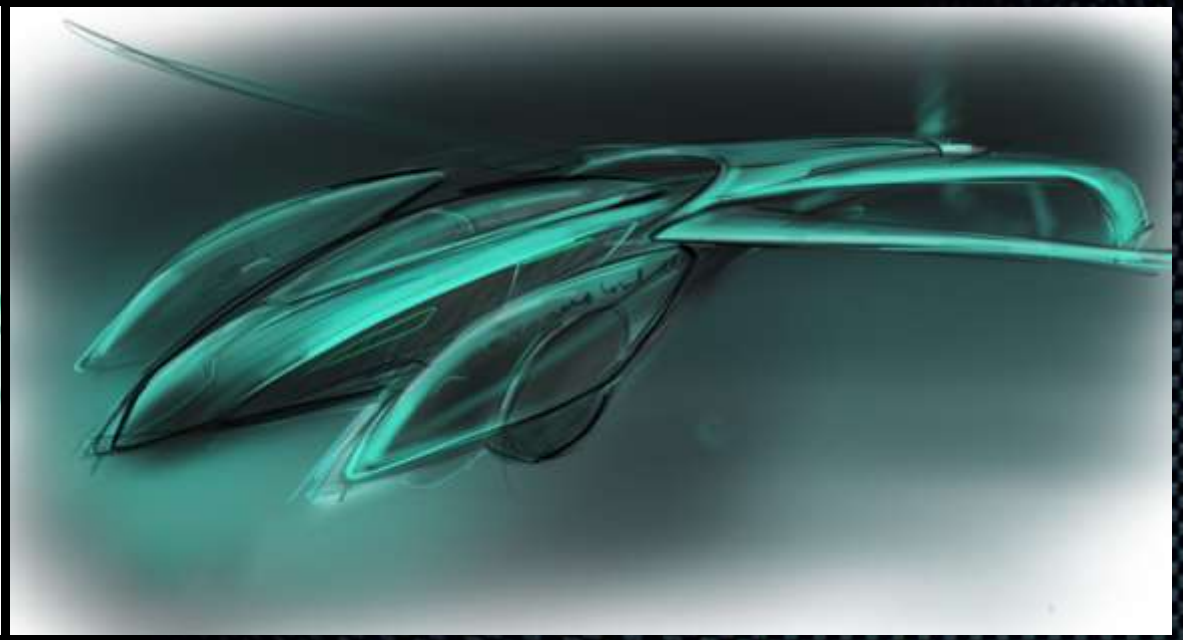


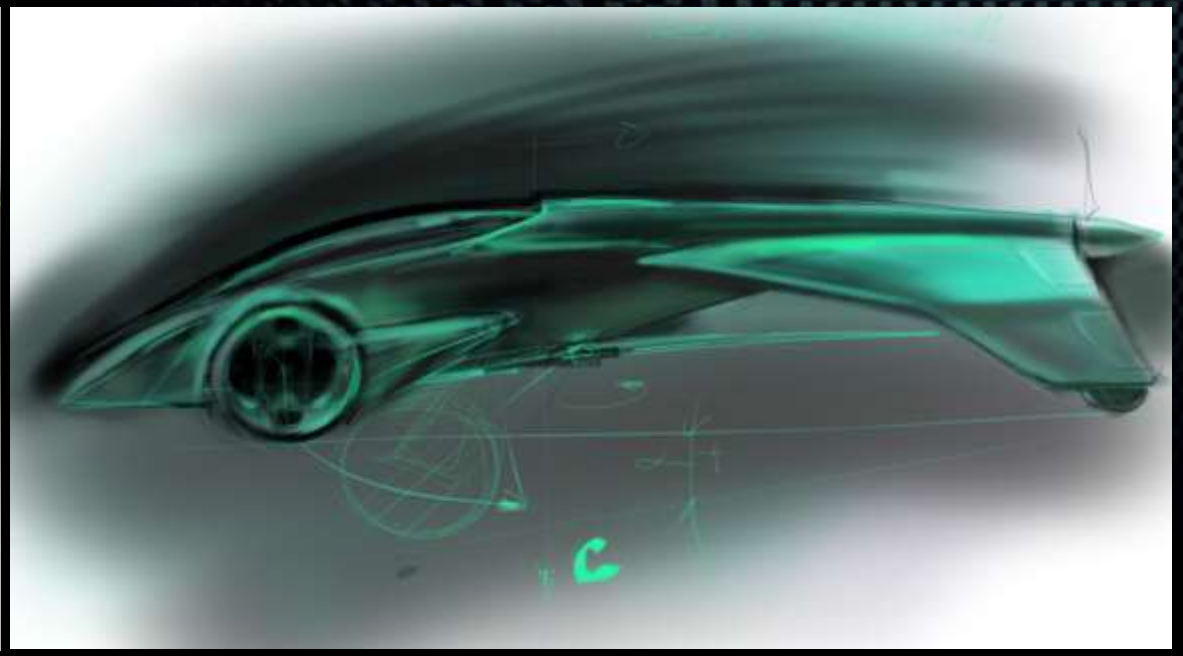


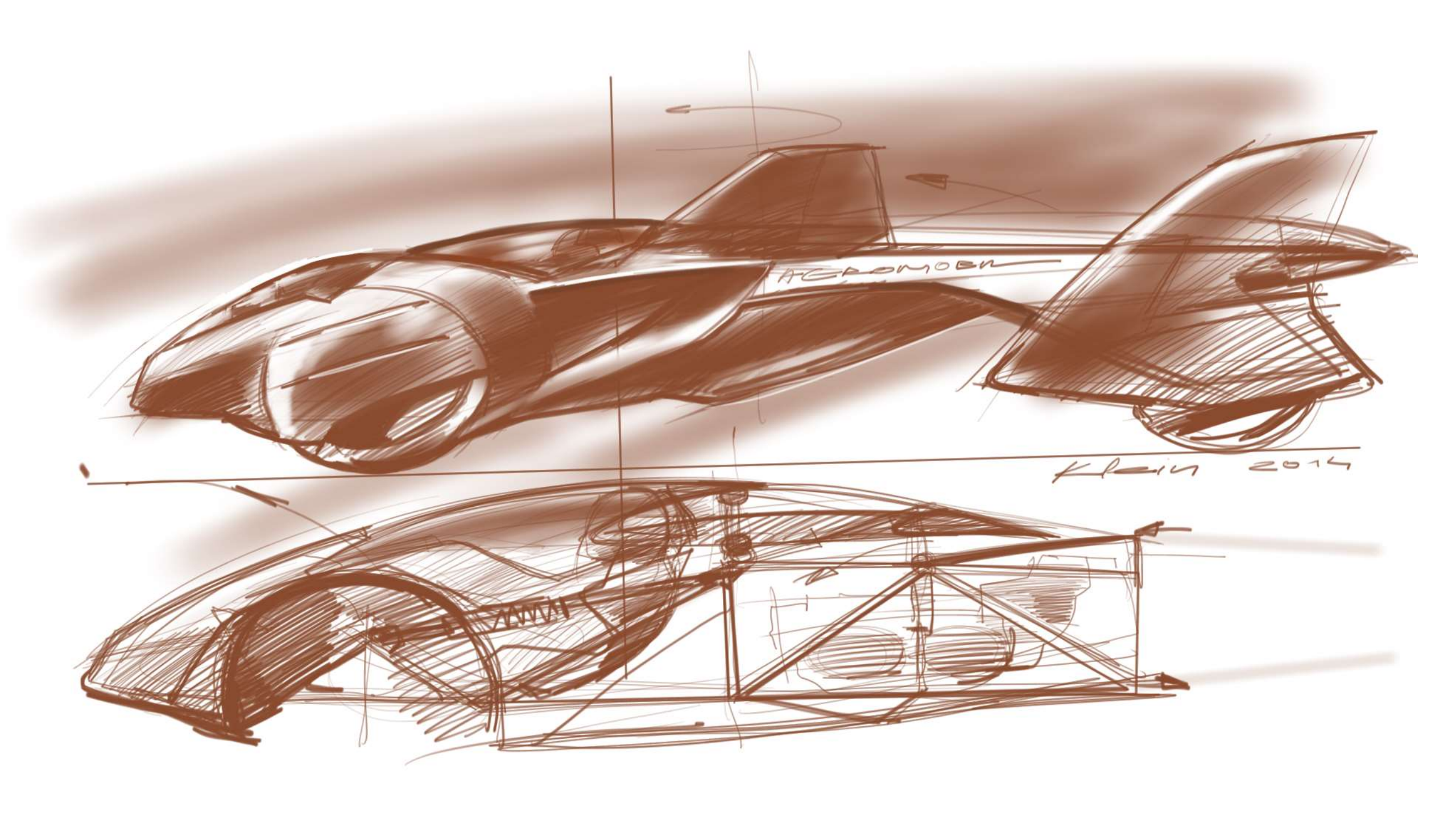
PATENT PENDING
PCT/SK2012/000010

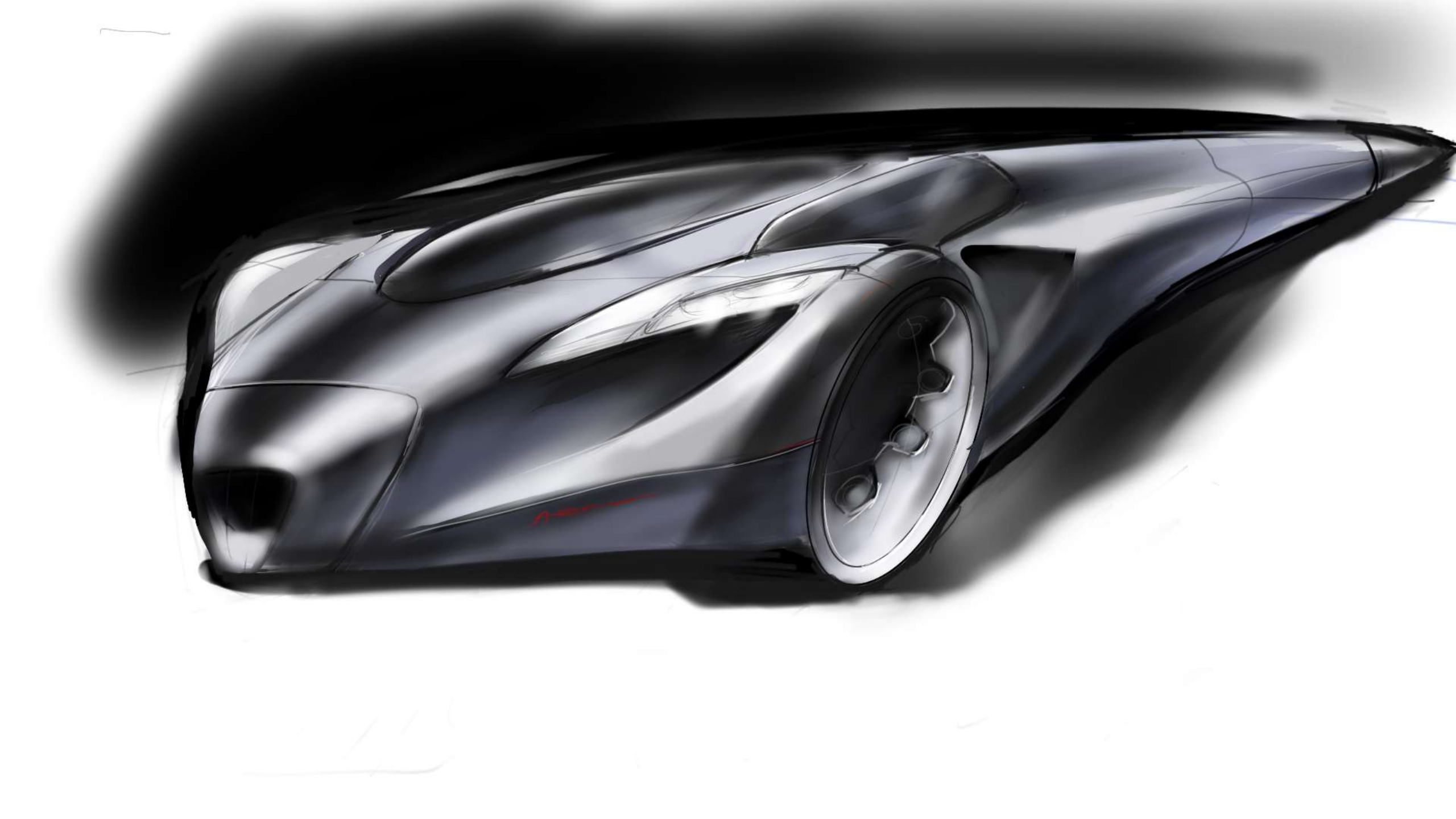
Aeromobil 2.5

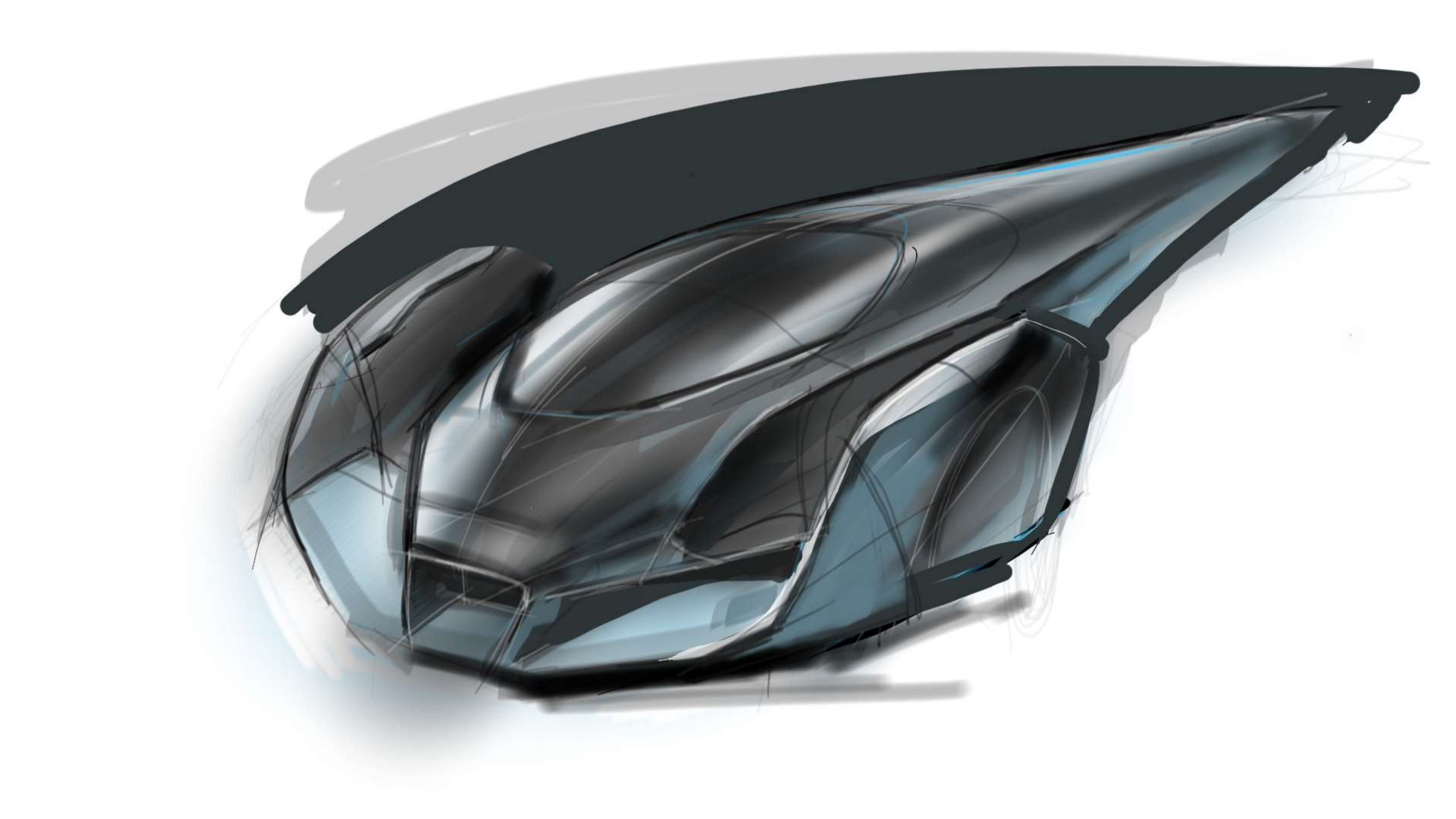


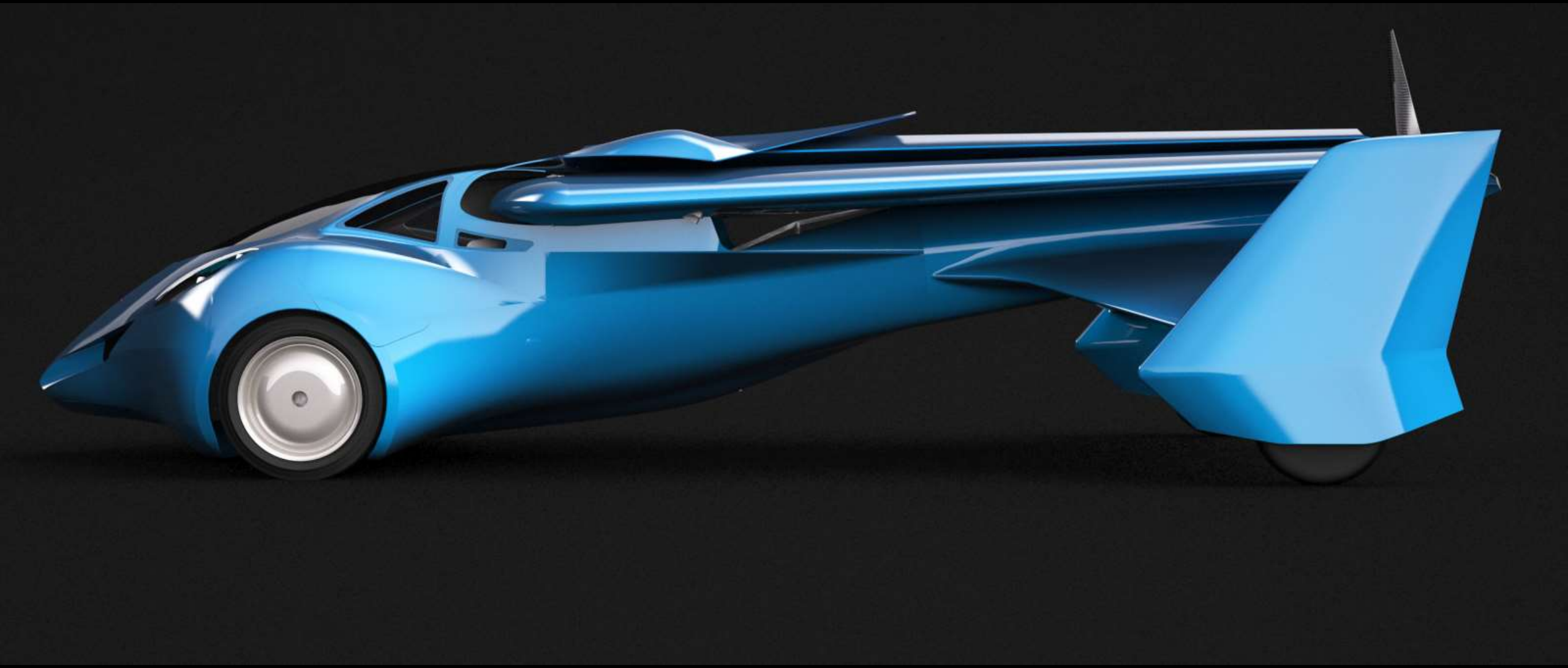





AERODYNAMICS
2014







www.aeromobil.com

AEROMOBIL

REMOVE BEFORE FLIGHT
WARNING !
www.aeromobil.com

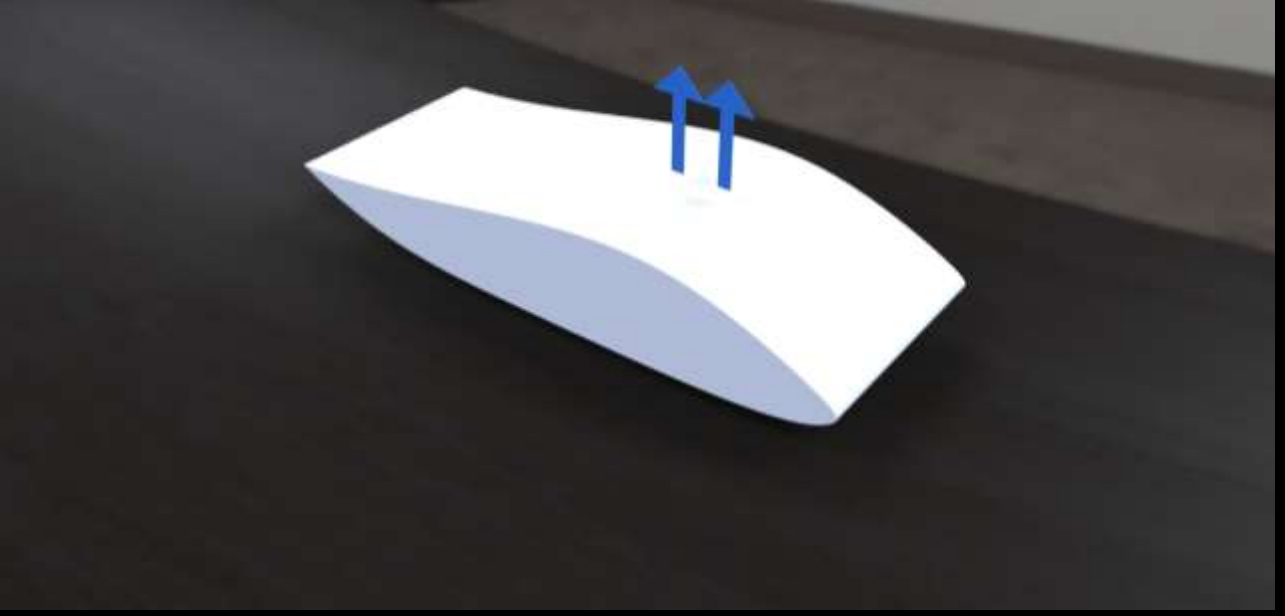
Air Car

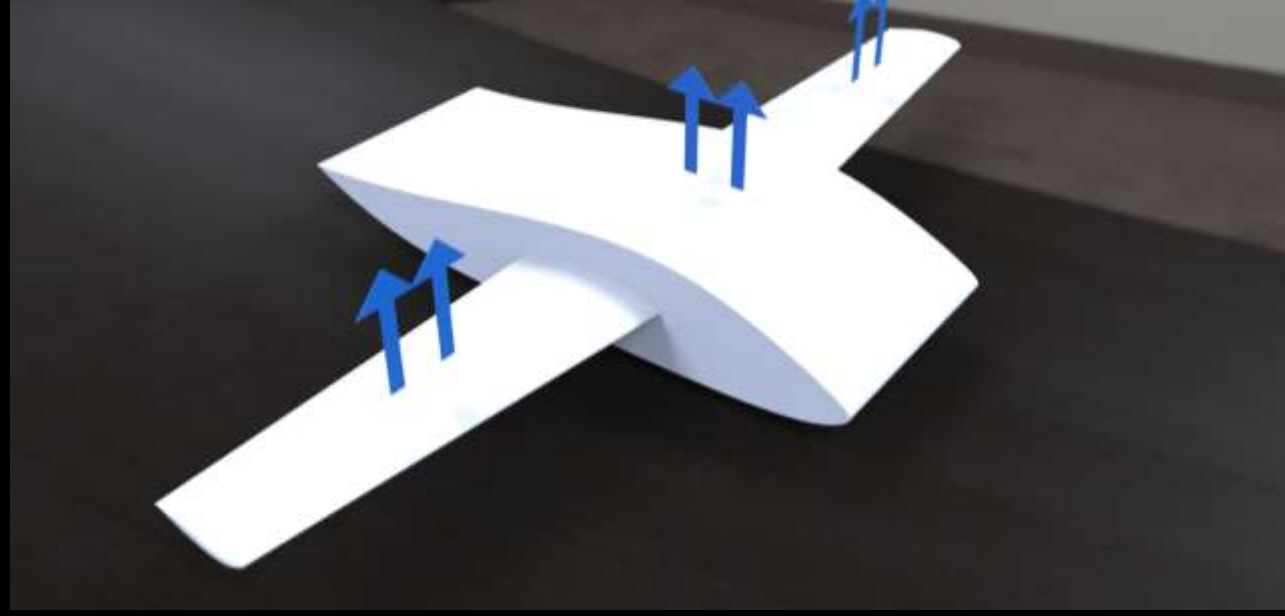
klein@kleinvision.com

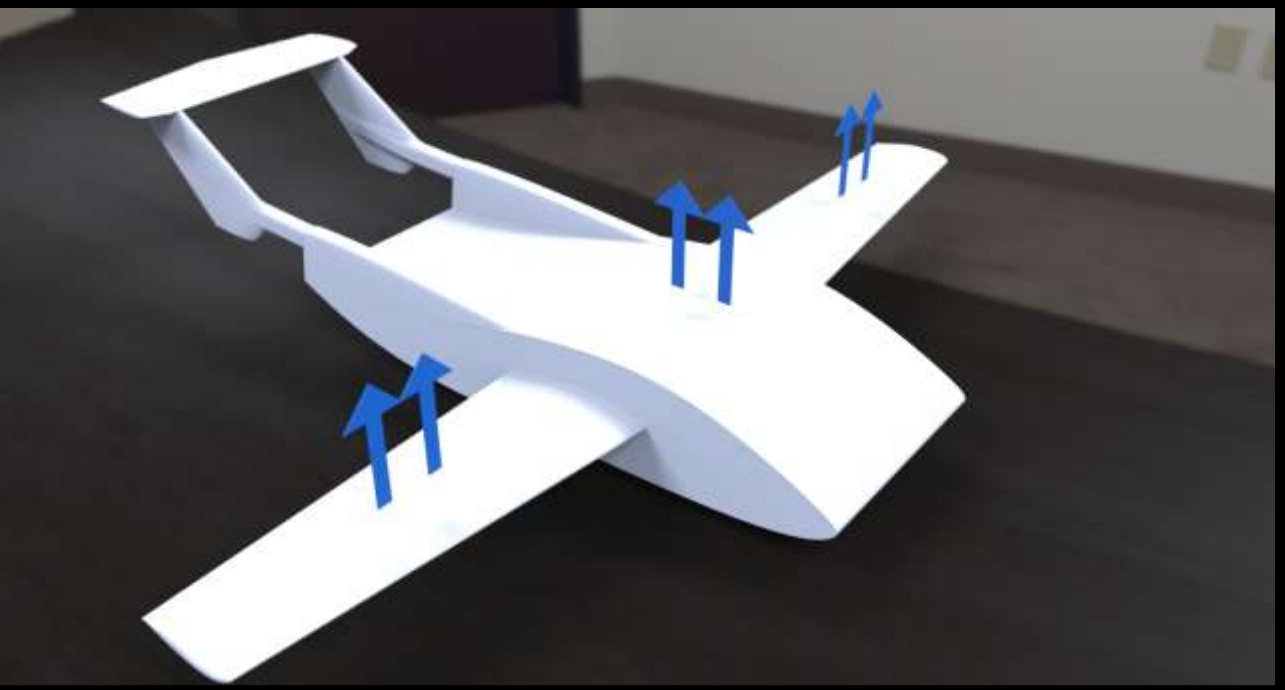
KLEIN

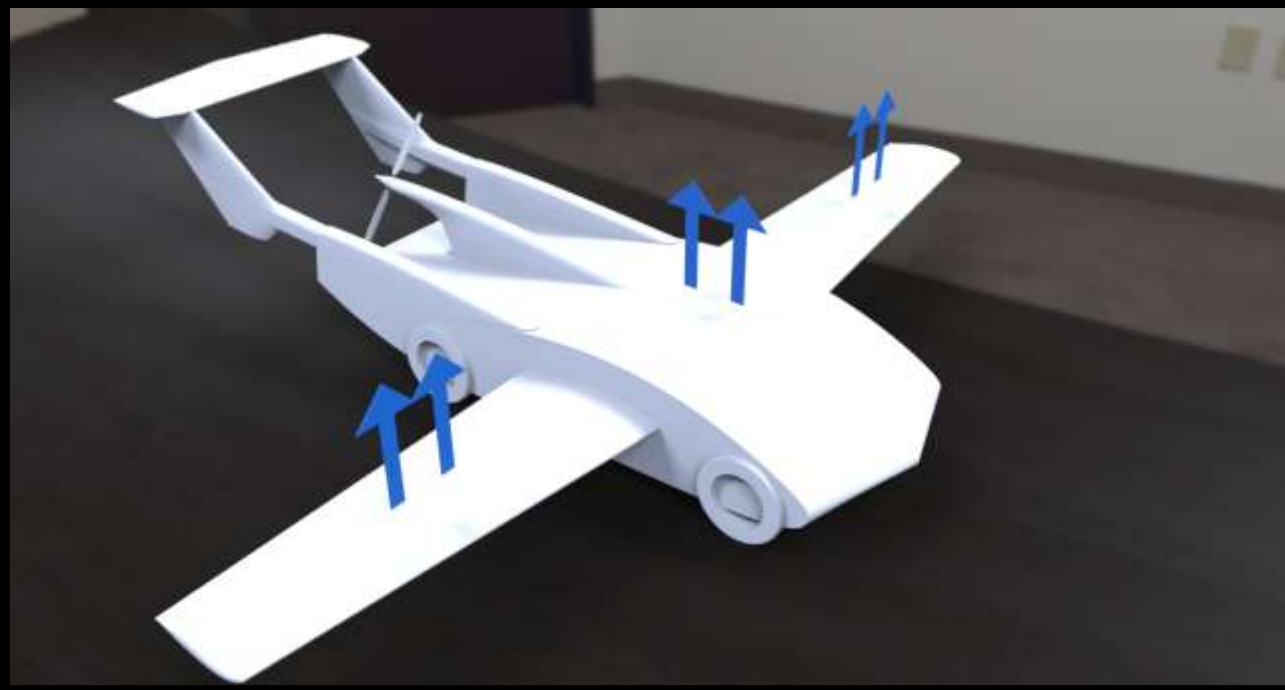
SAE Dallas 27. September 2017

Inspiration









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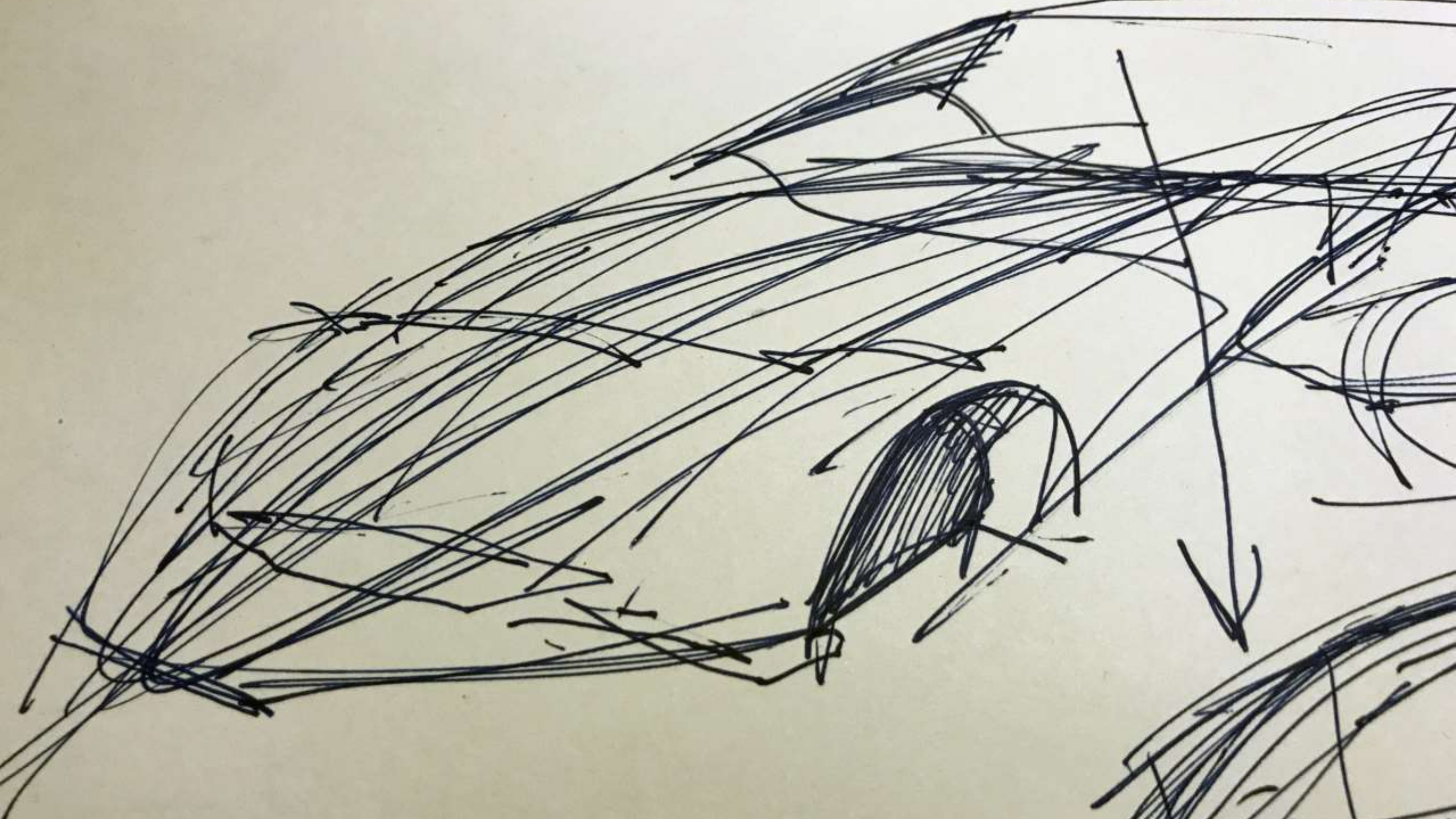

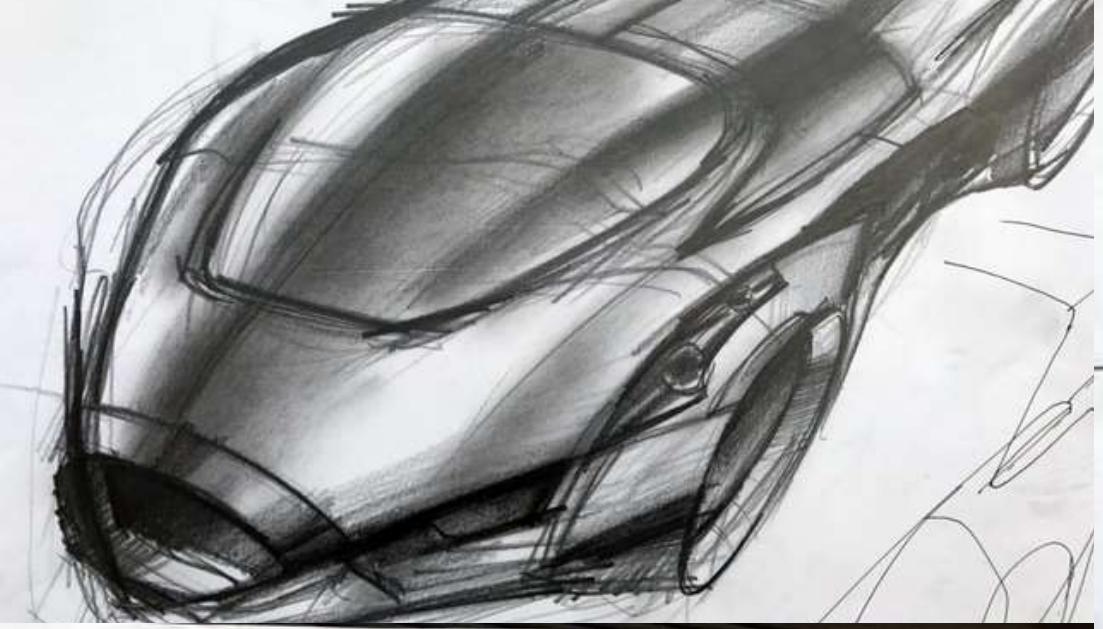

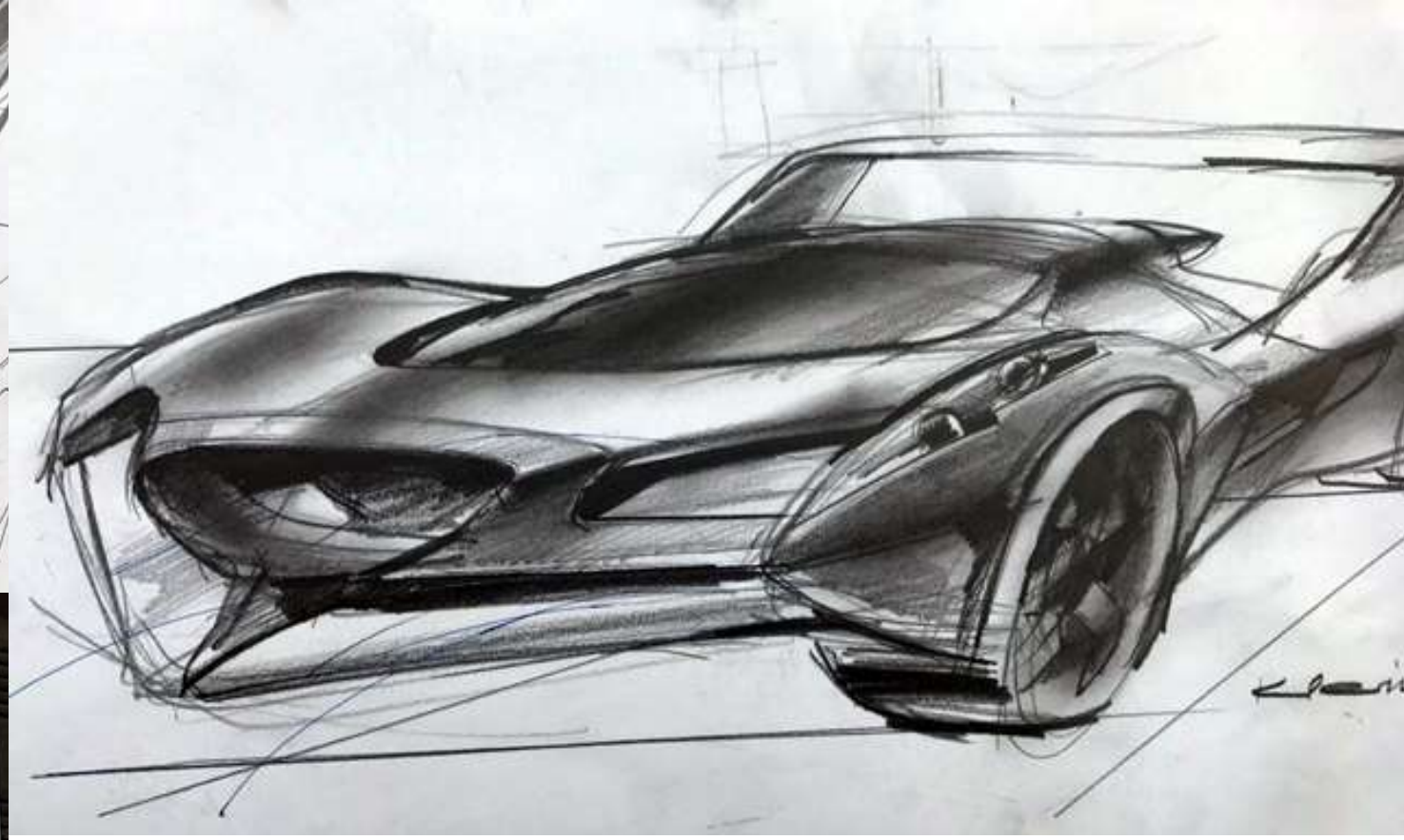

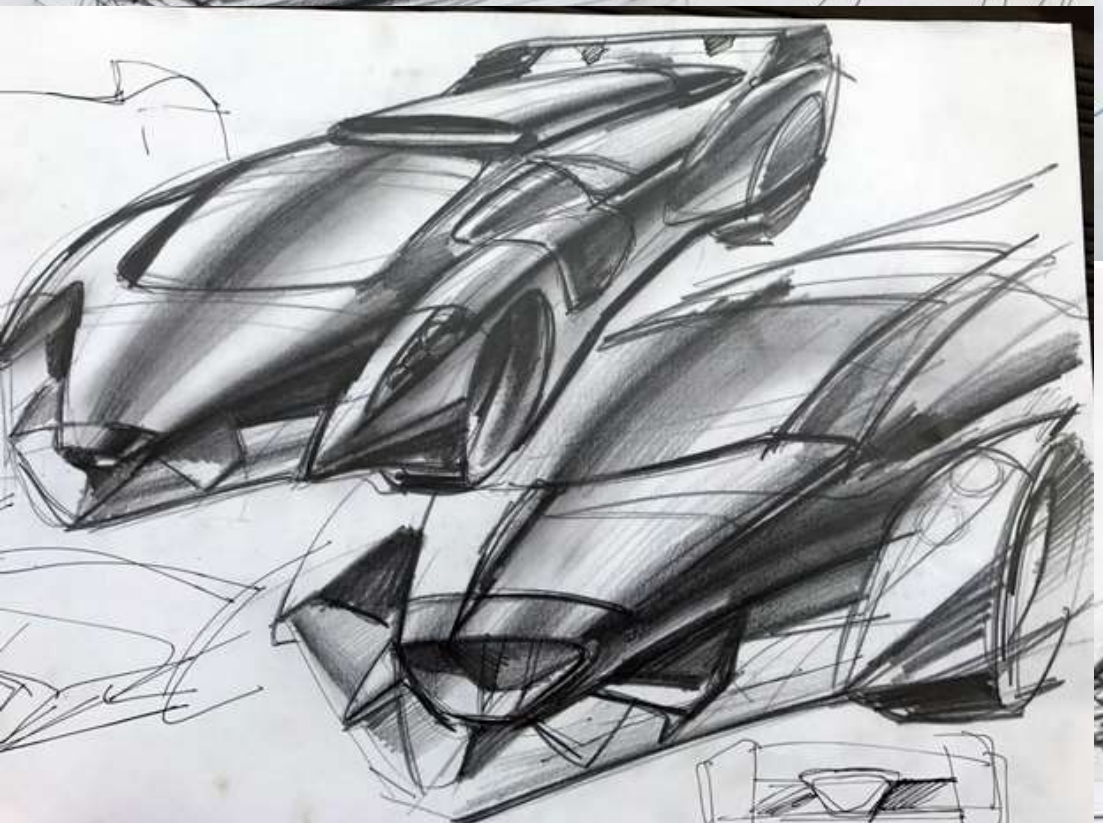

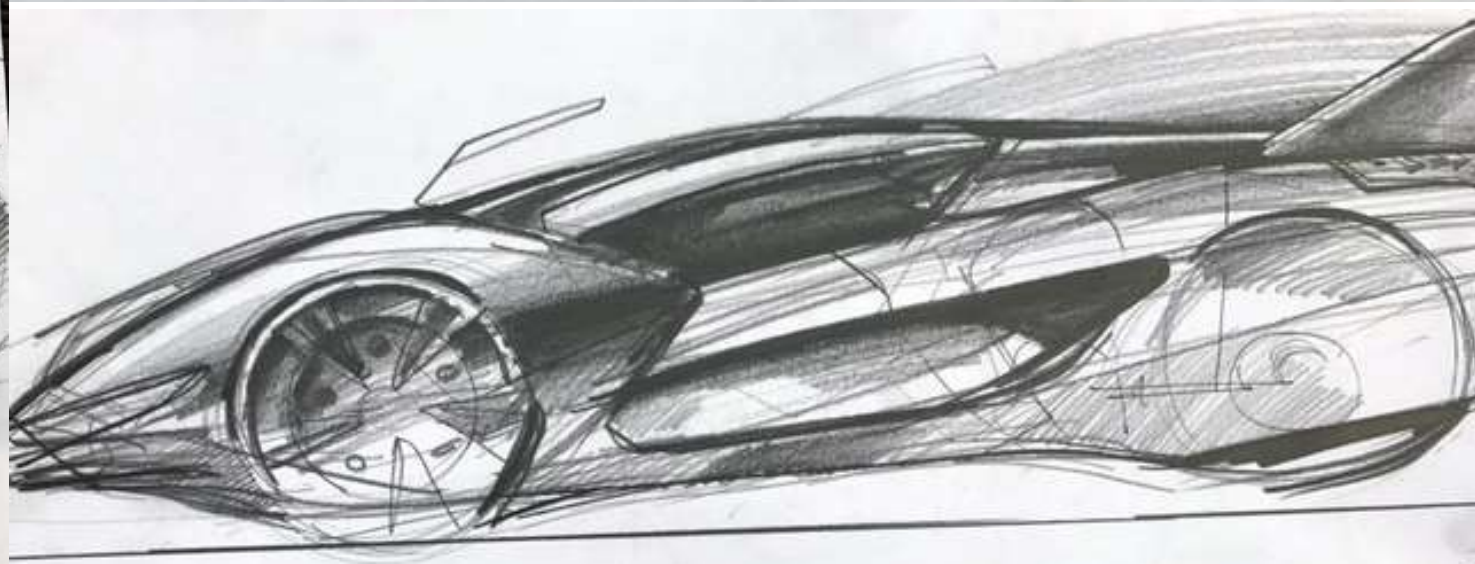

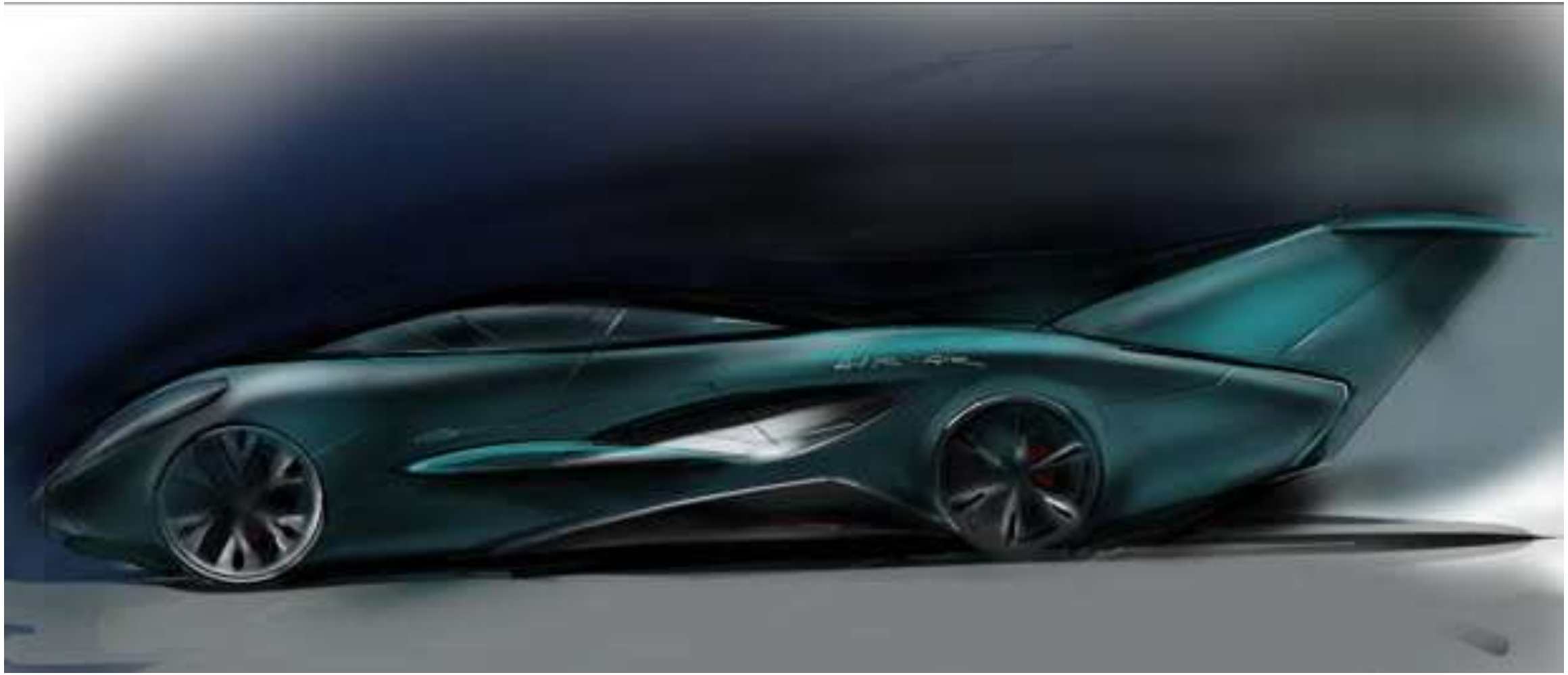

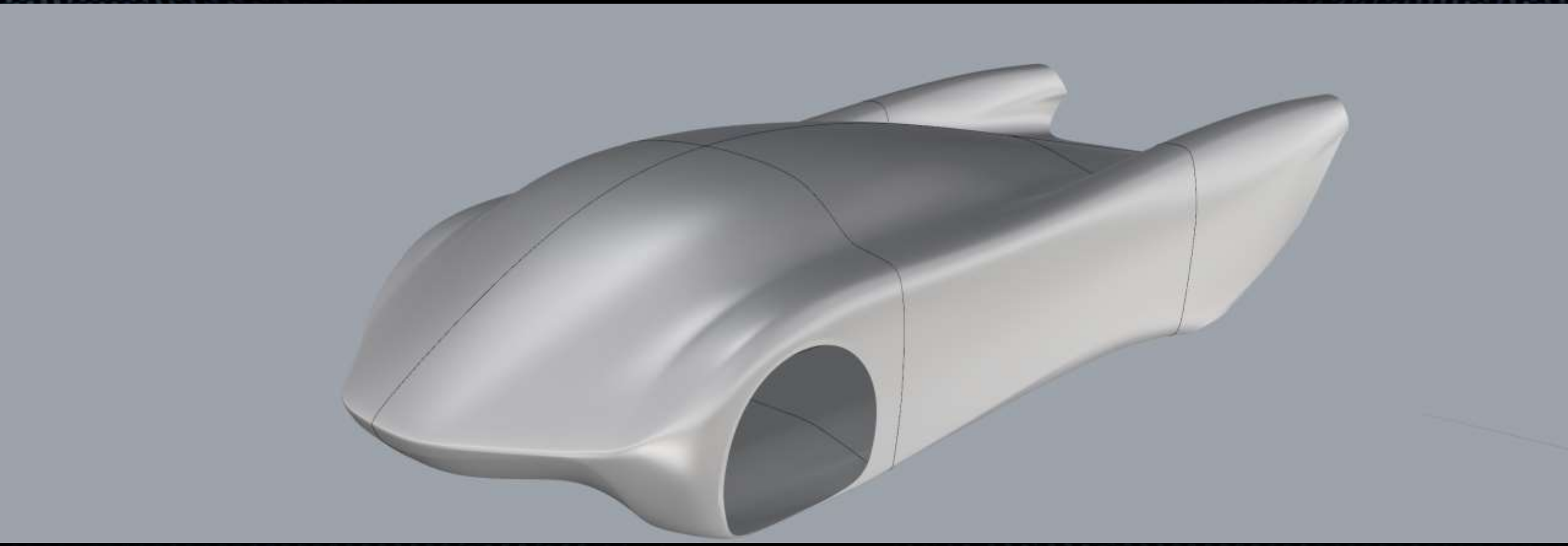

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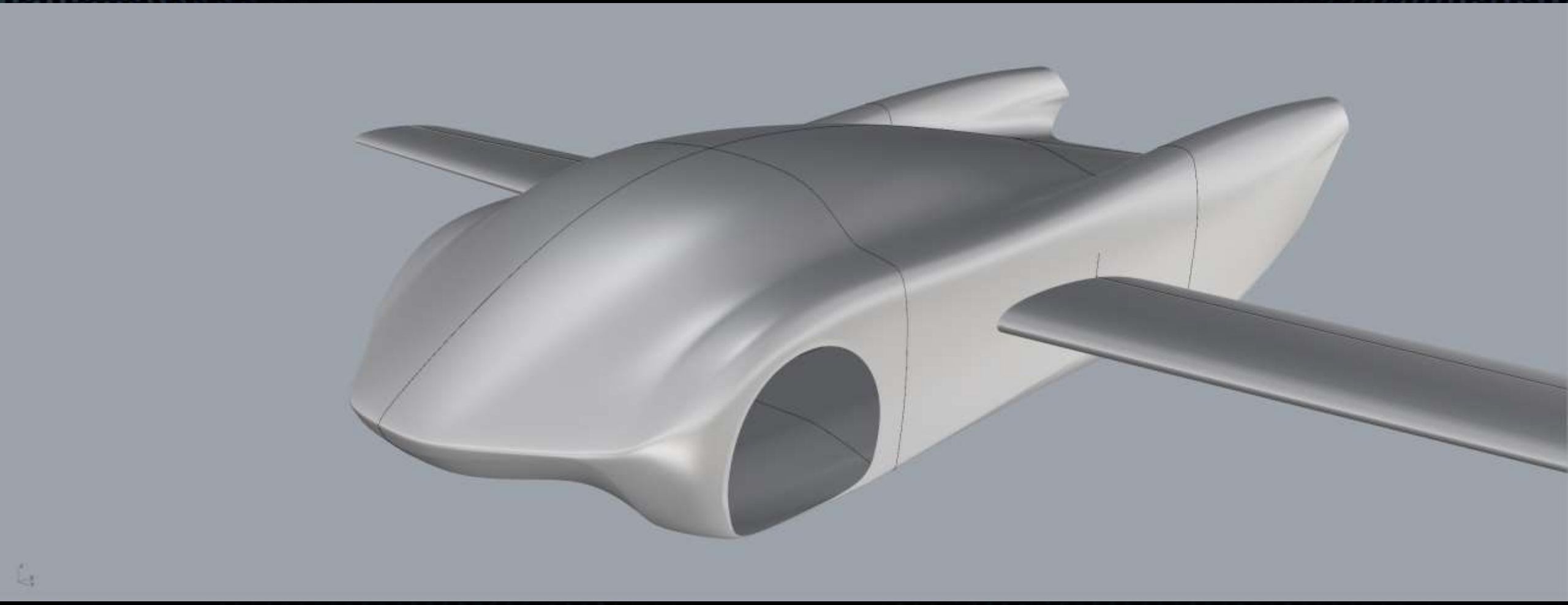

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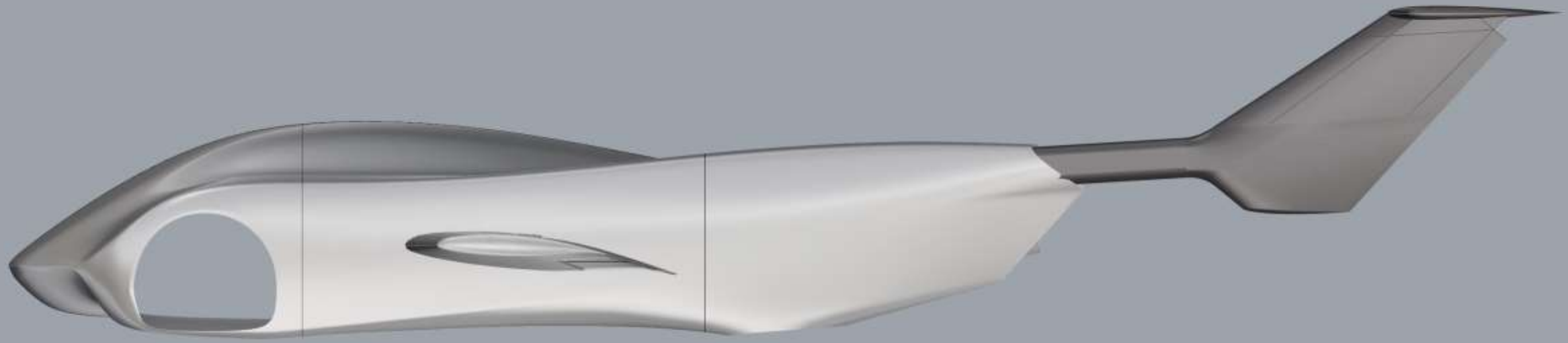

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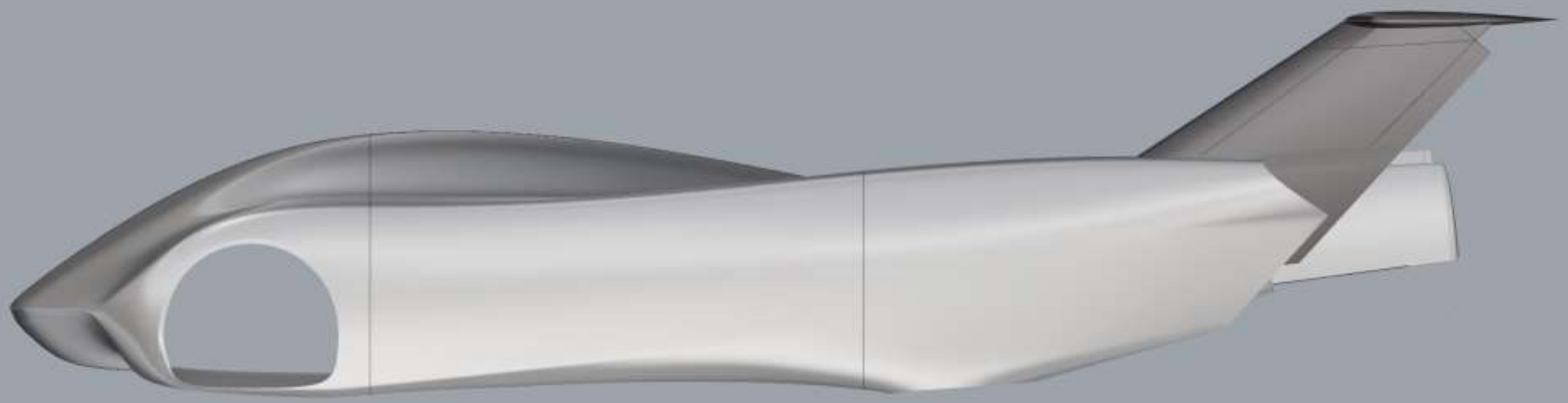

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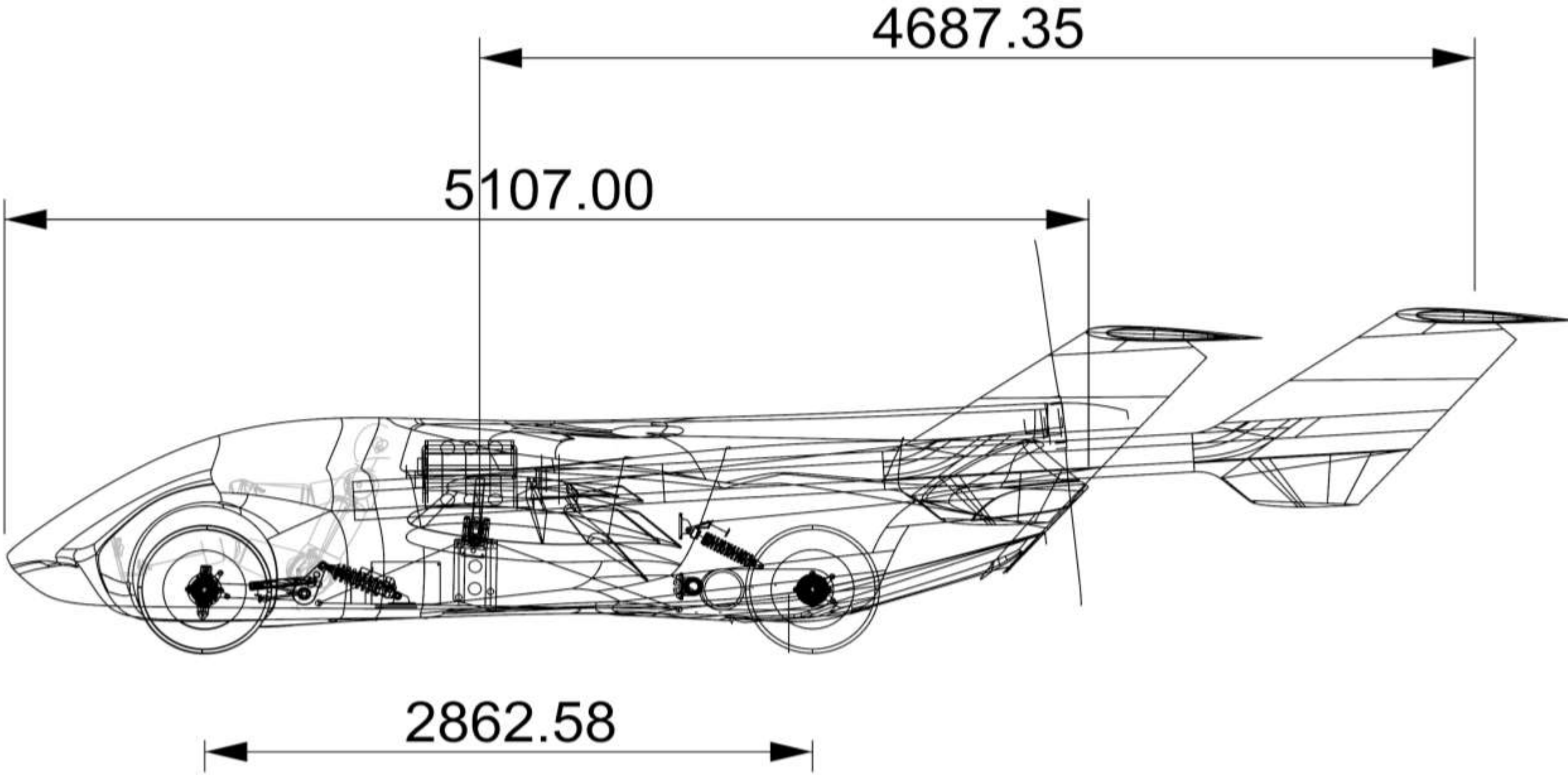

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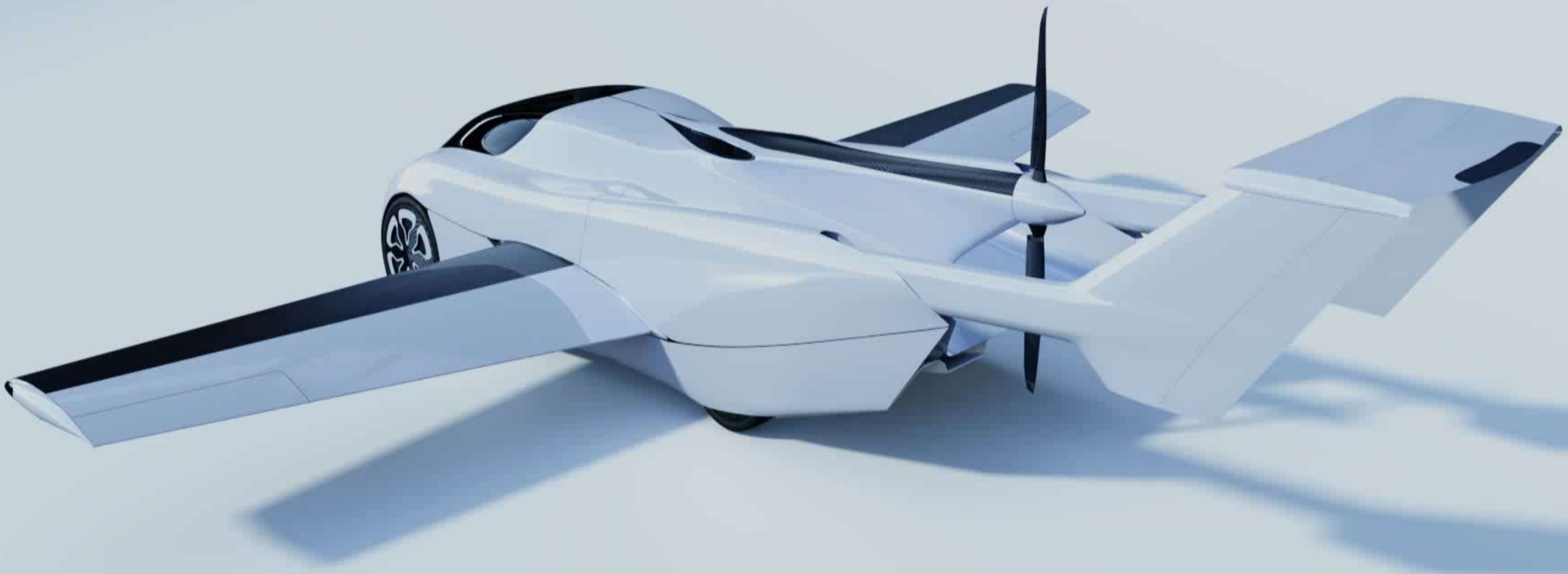

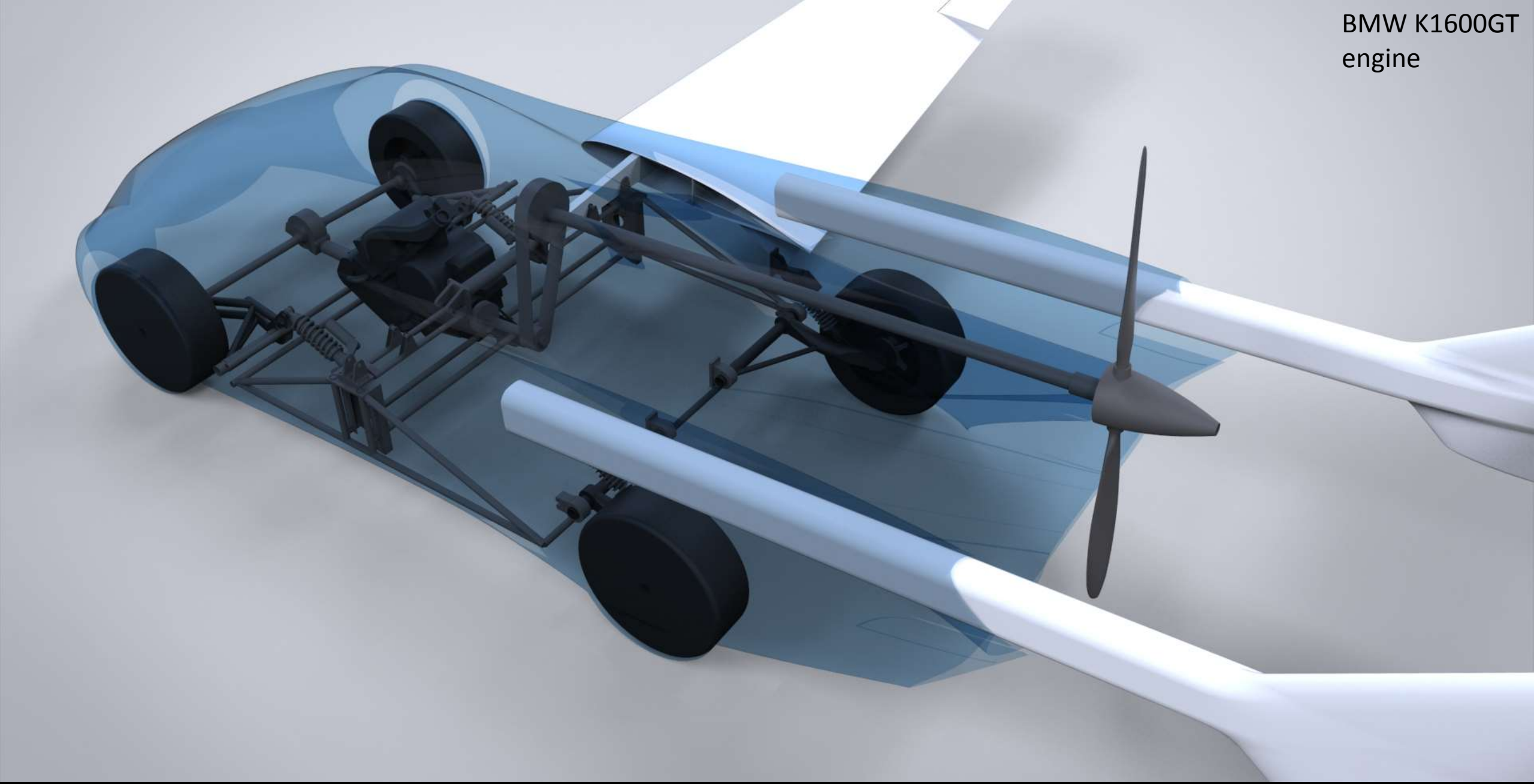

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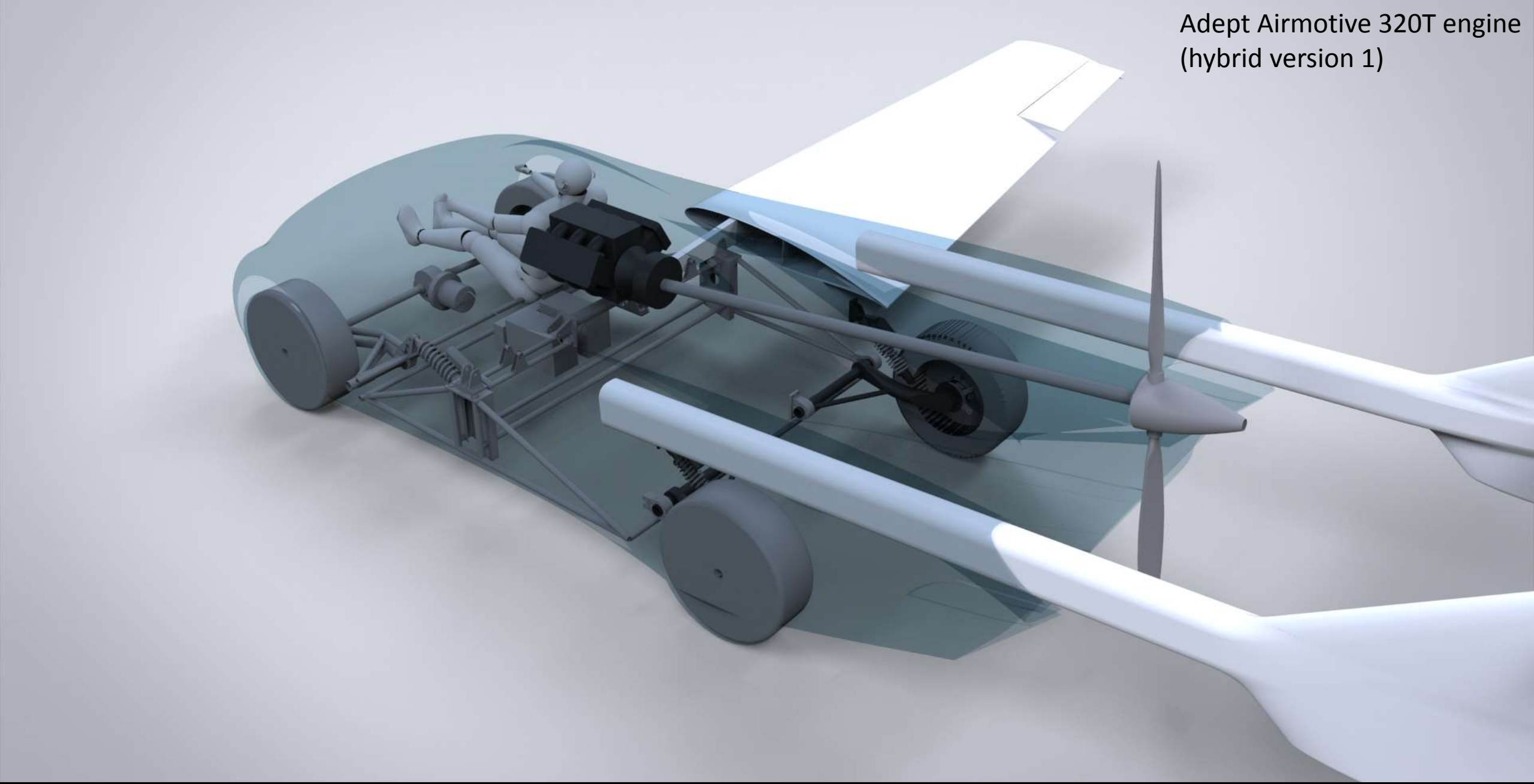
Adept Airmotive 320T engine
(hybrid version 1)



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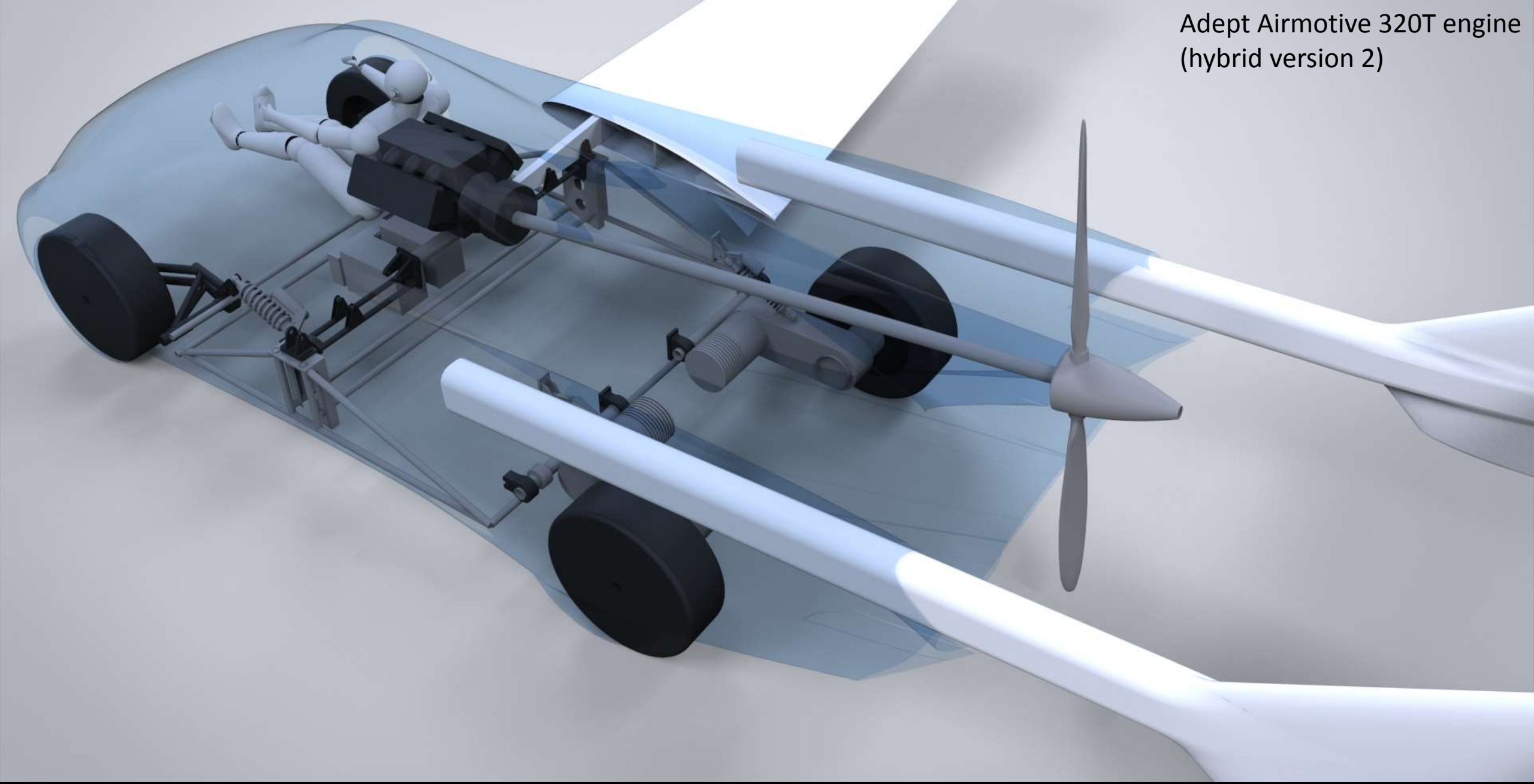
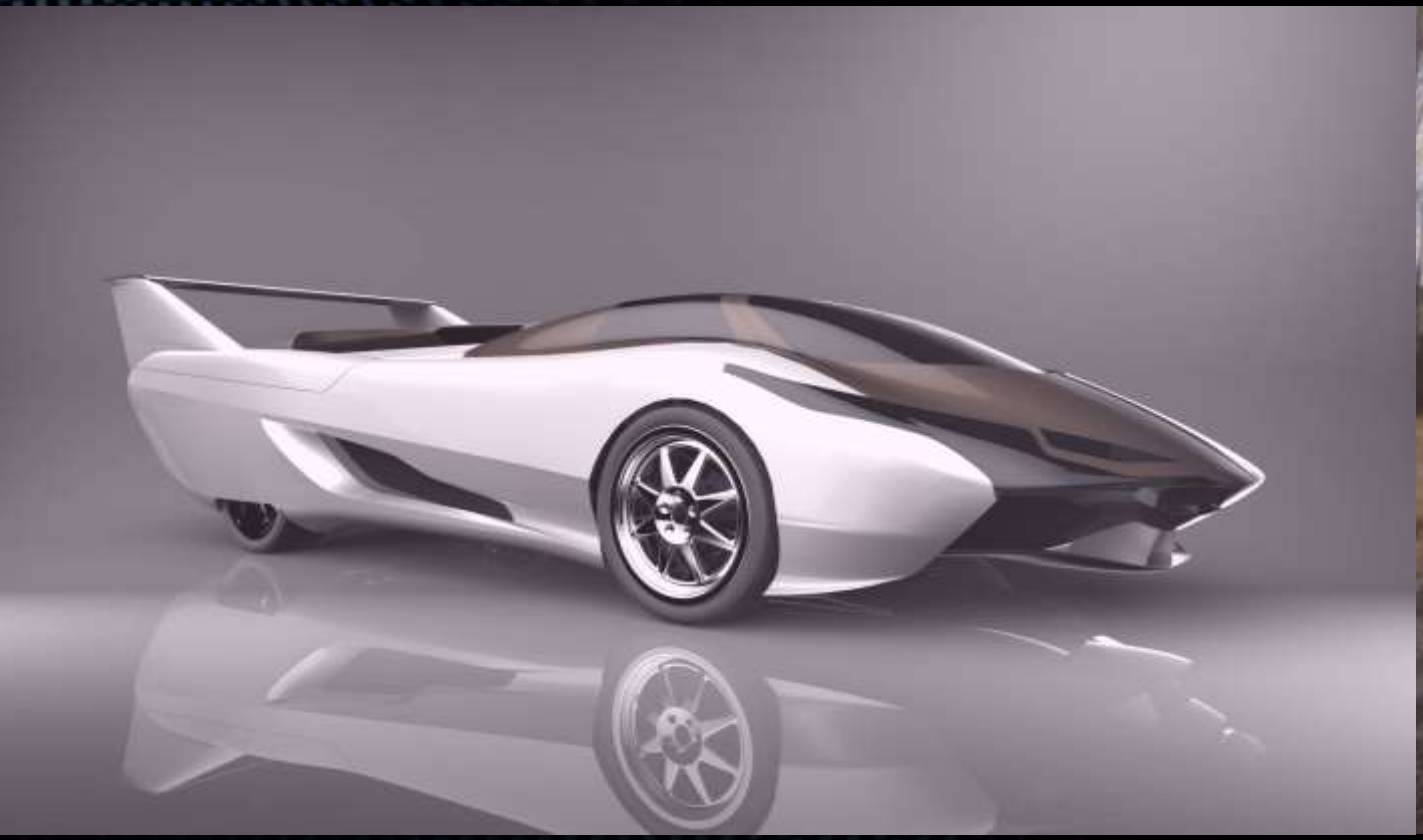


Adept Airmotive 320T engine
(hybrid version 2)

Test of Propulsion

KLEIN

AirCar 2-seat version



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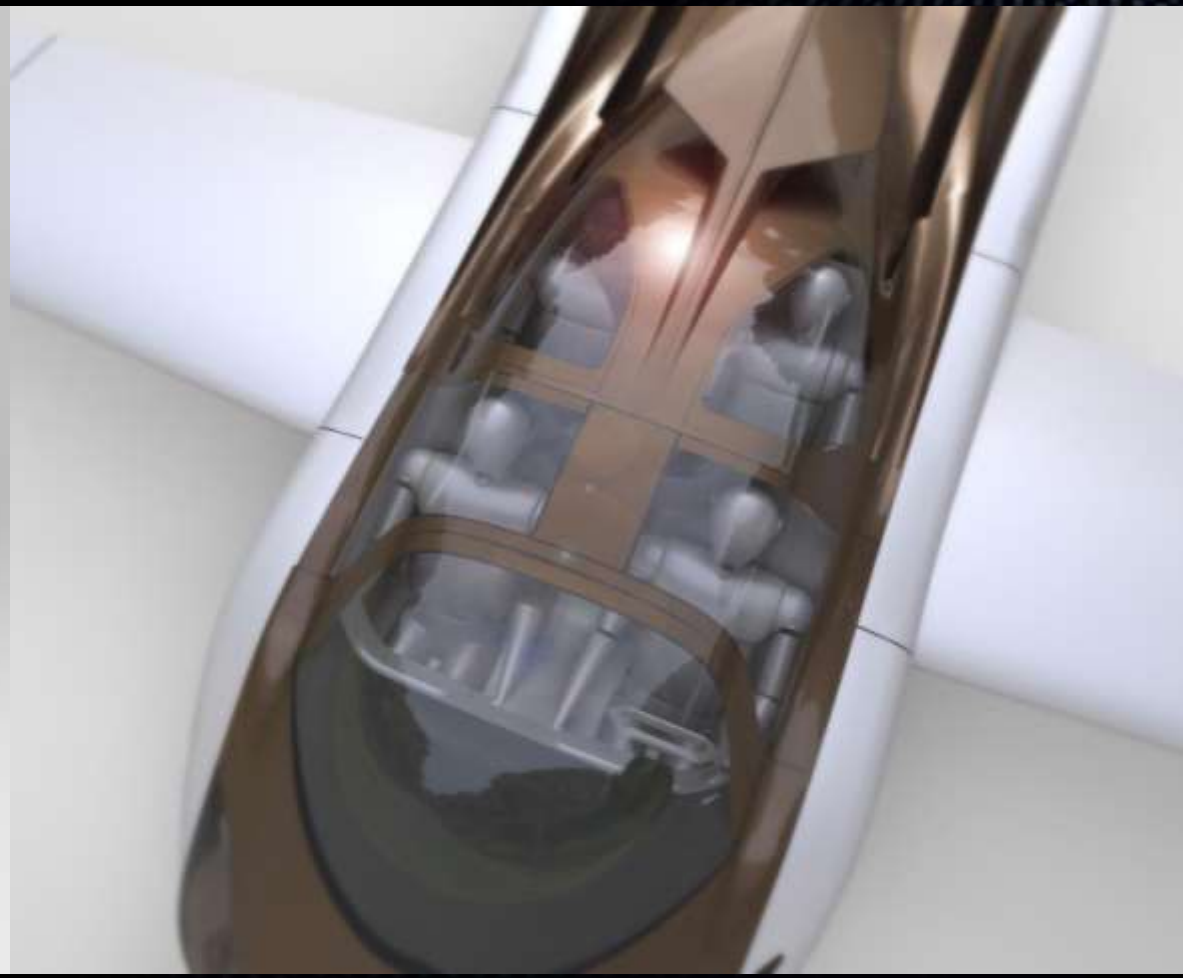
AirCar 4-seat version



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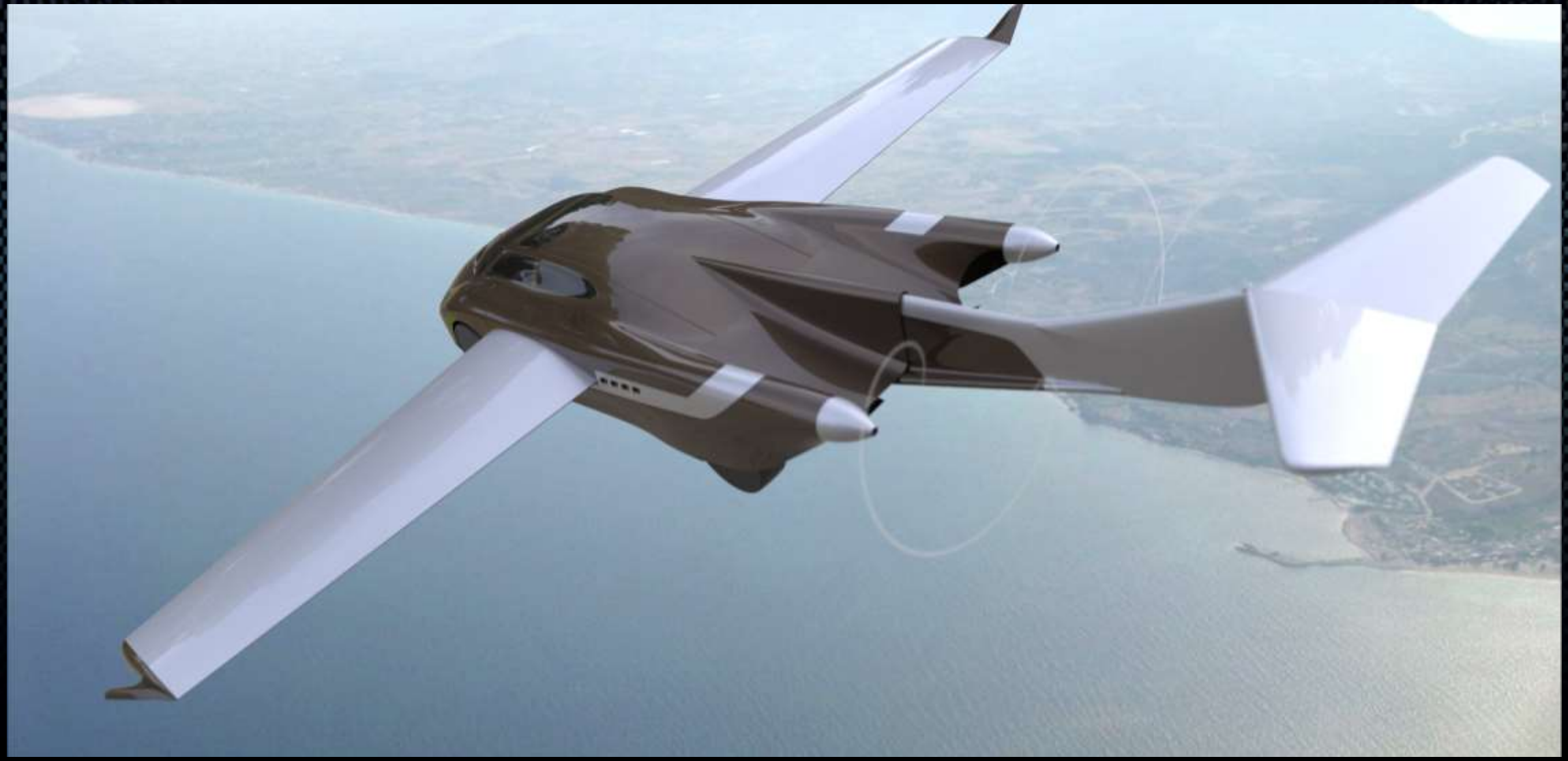
AirCar twin-engine version



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AirCar amphibious version

Final design

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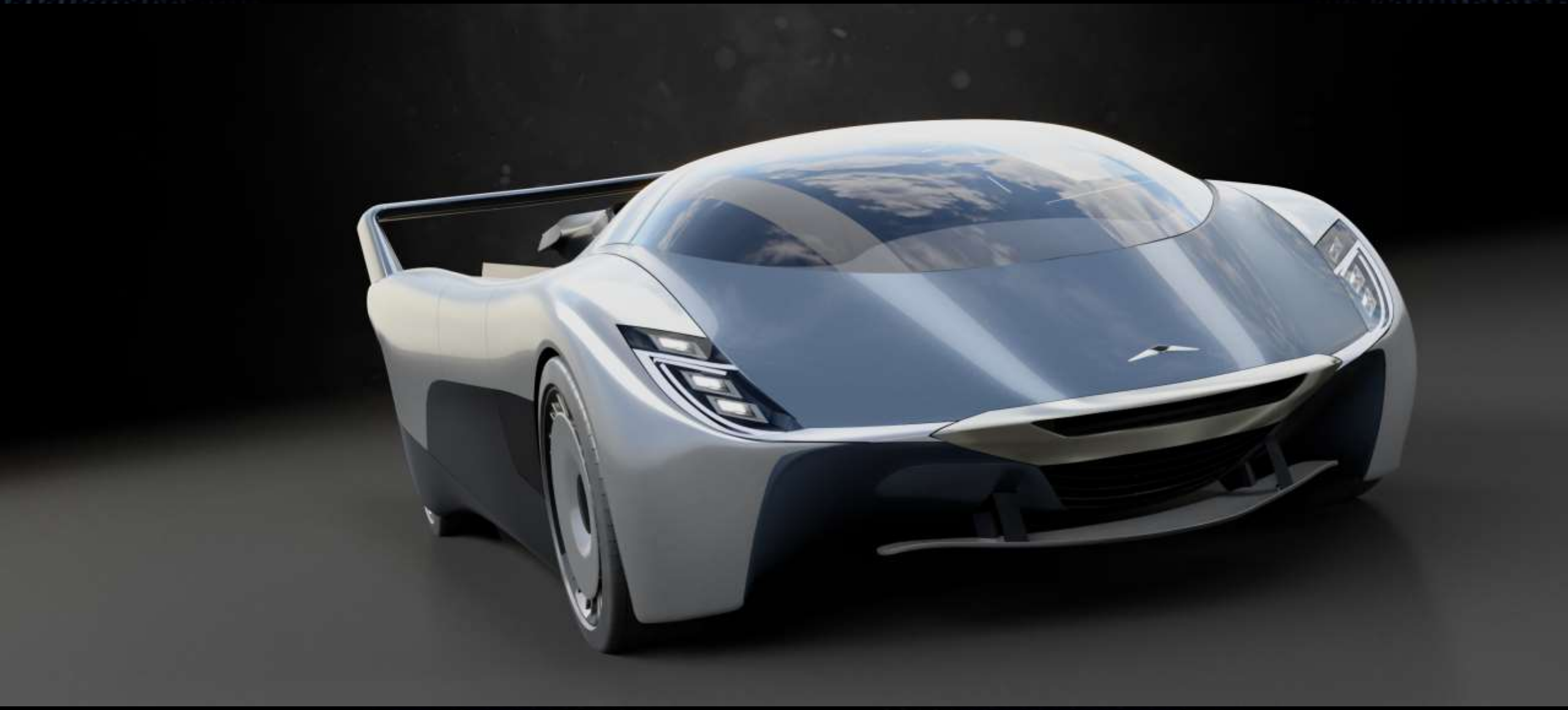

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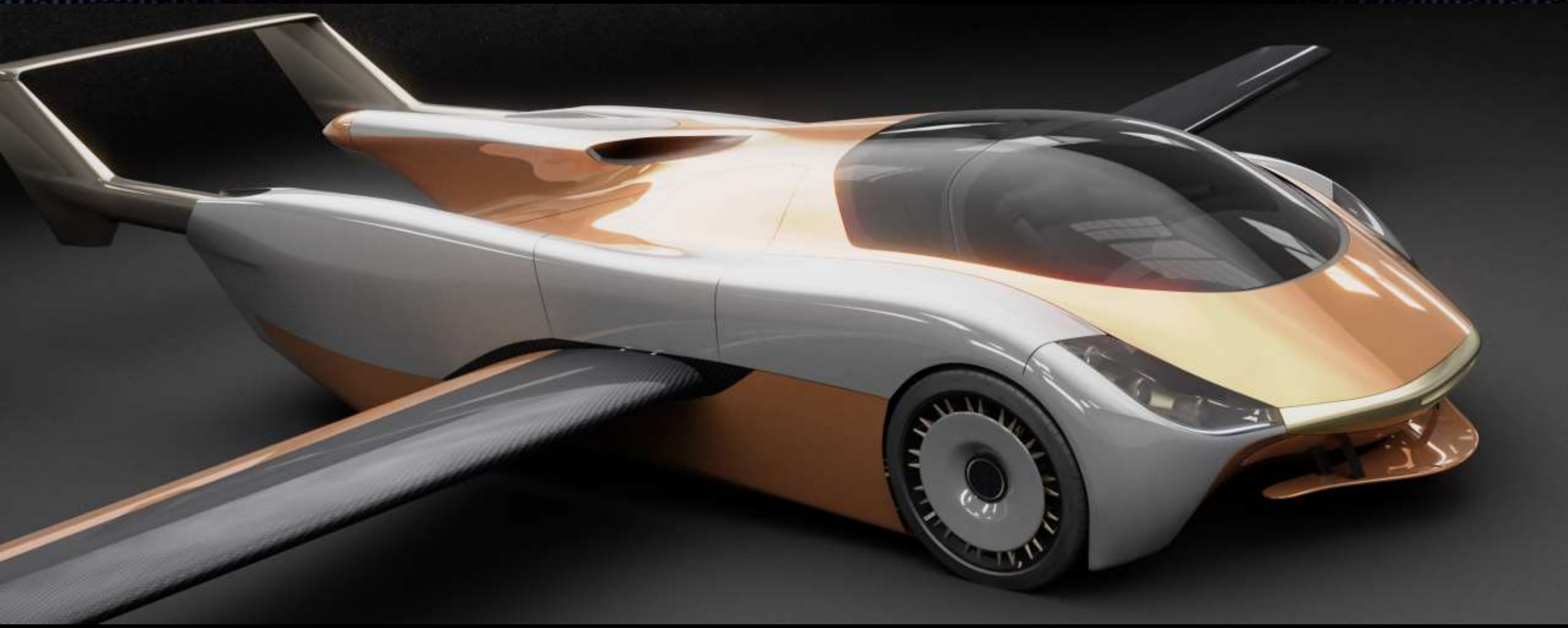

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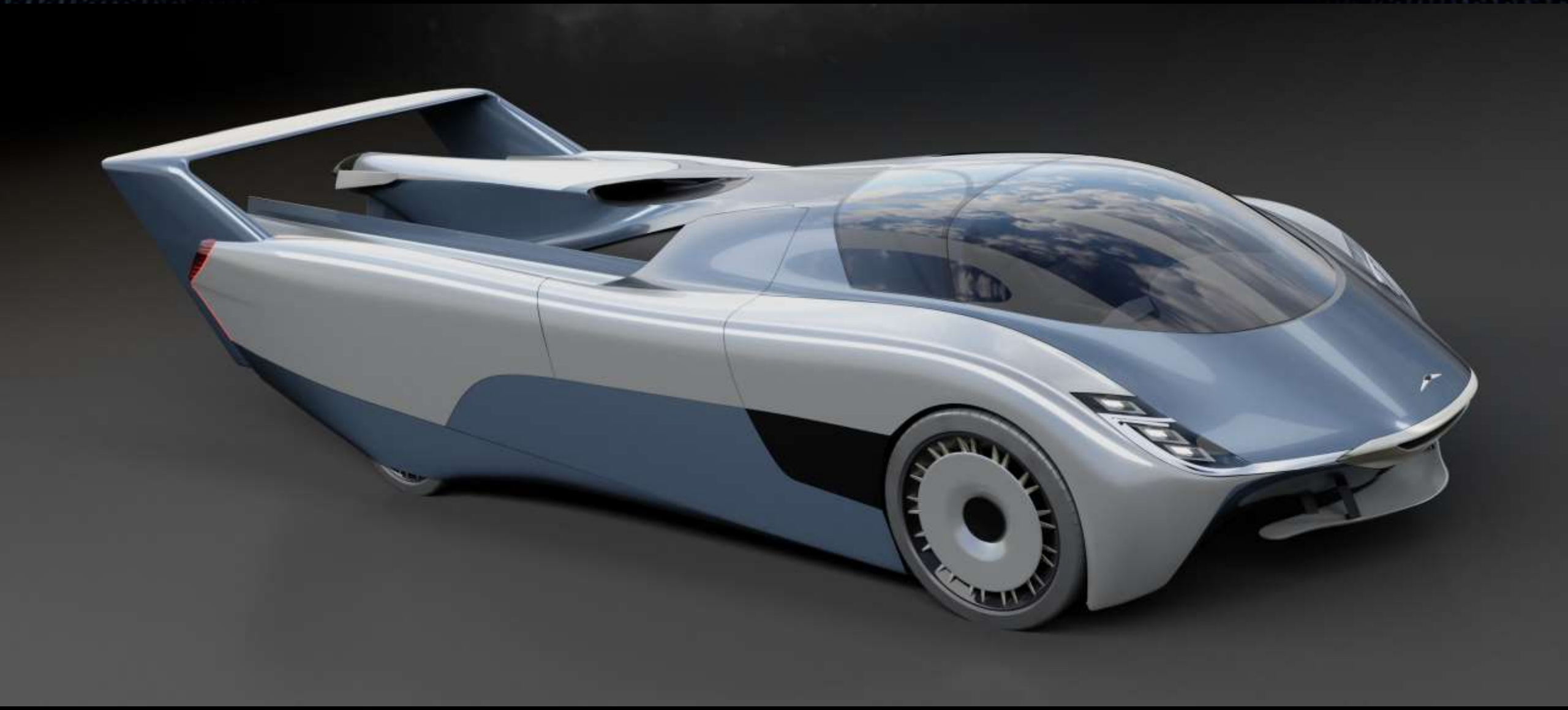

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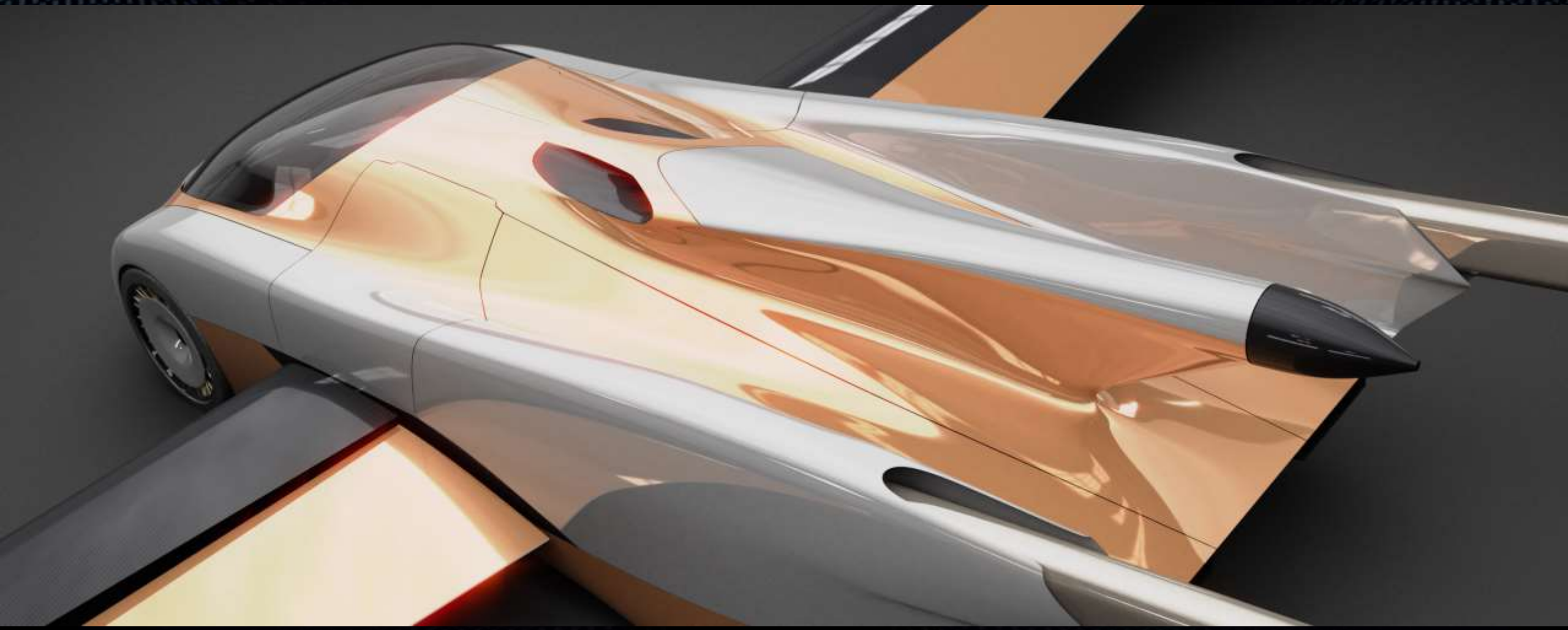
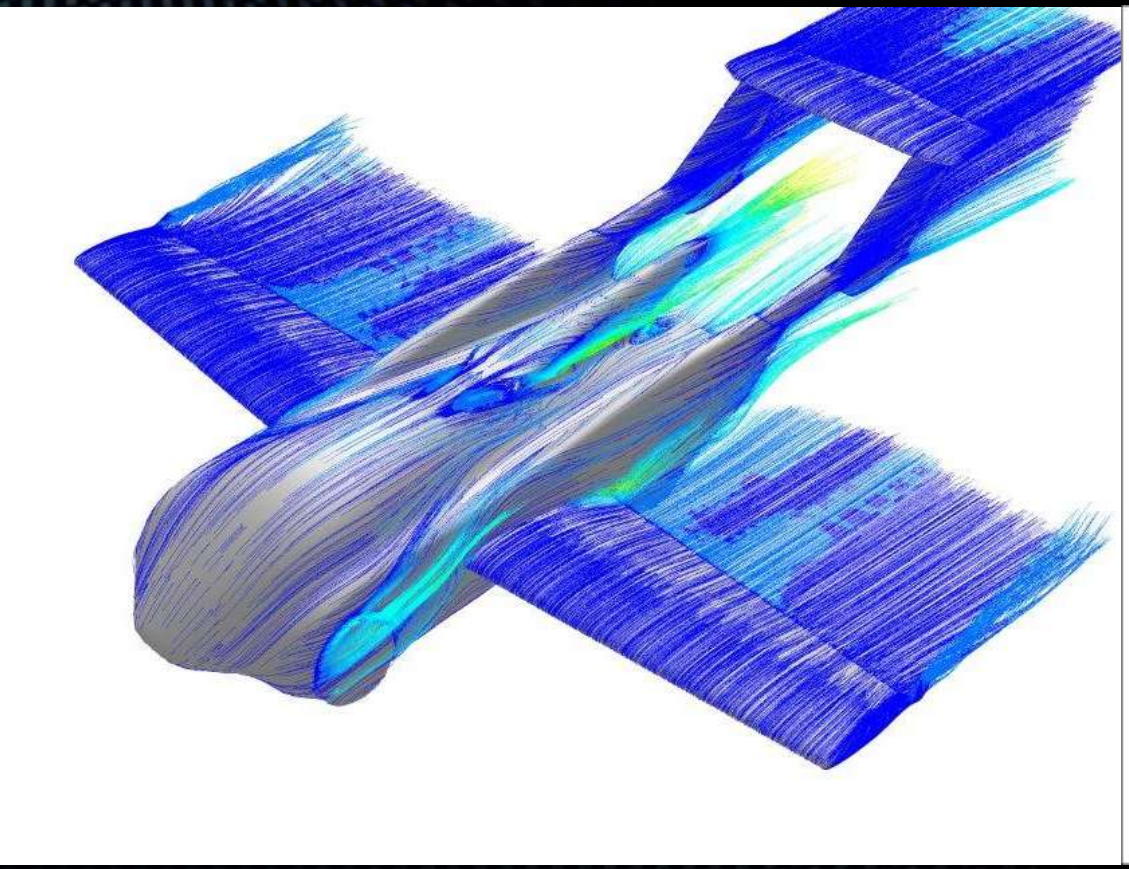
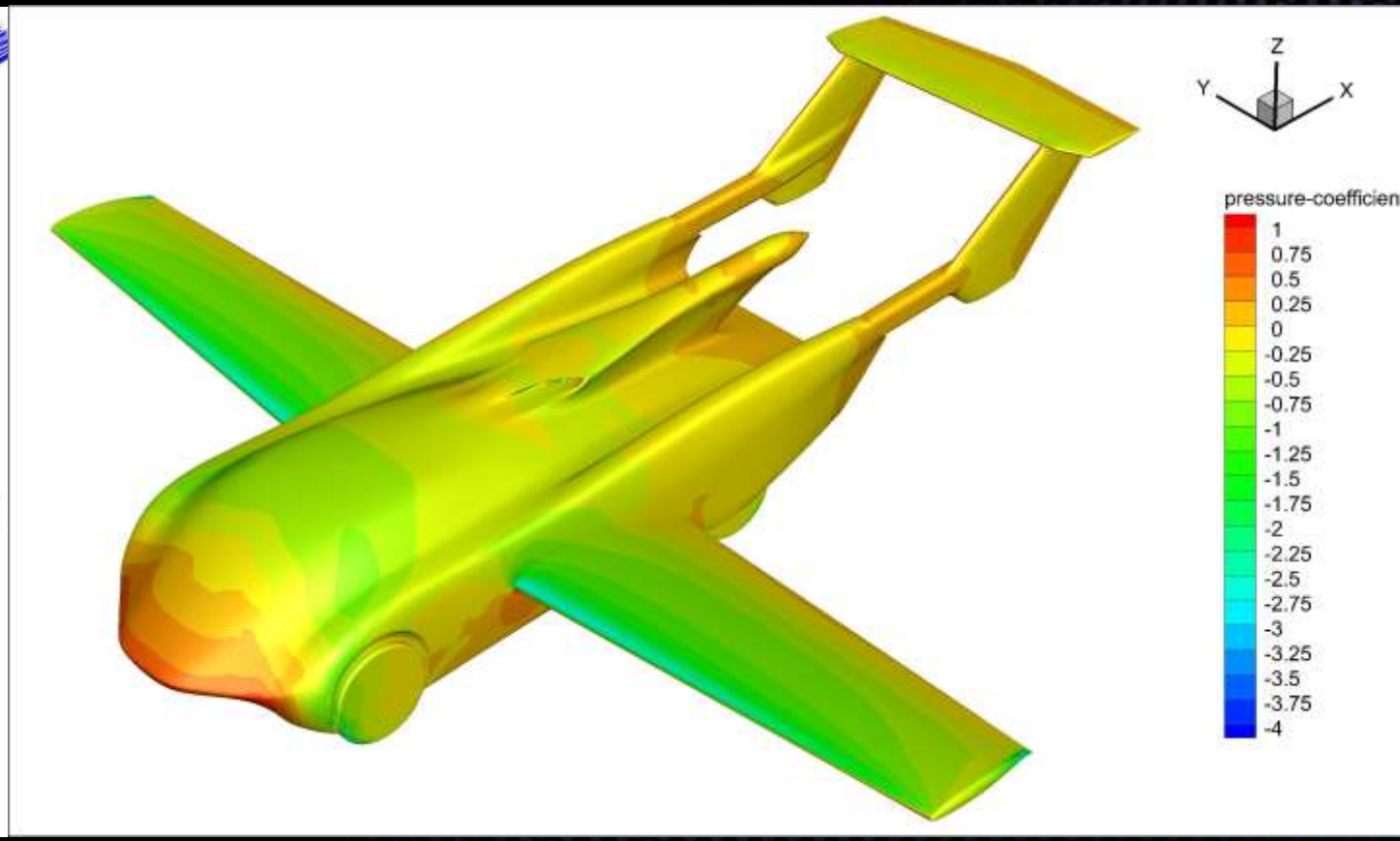


KLEIN

KLEIN

Engineering





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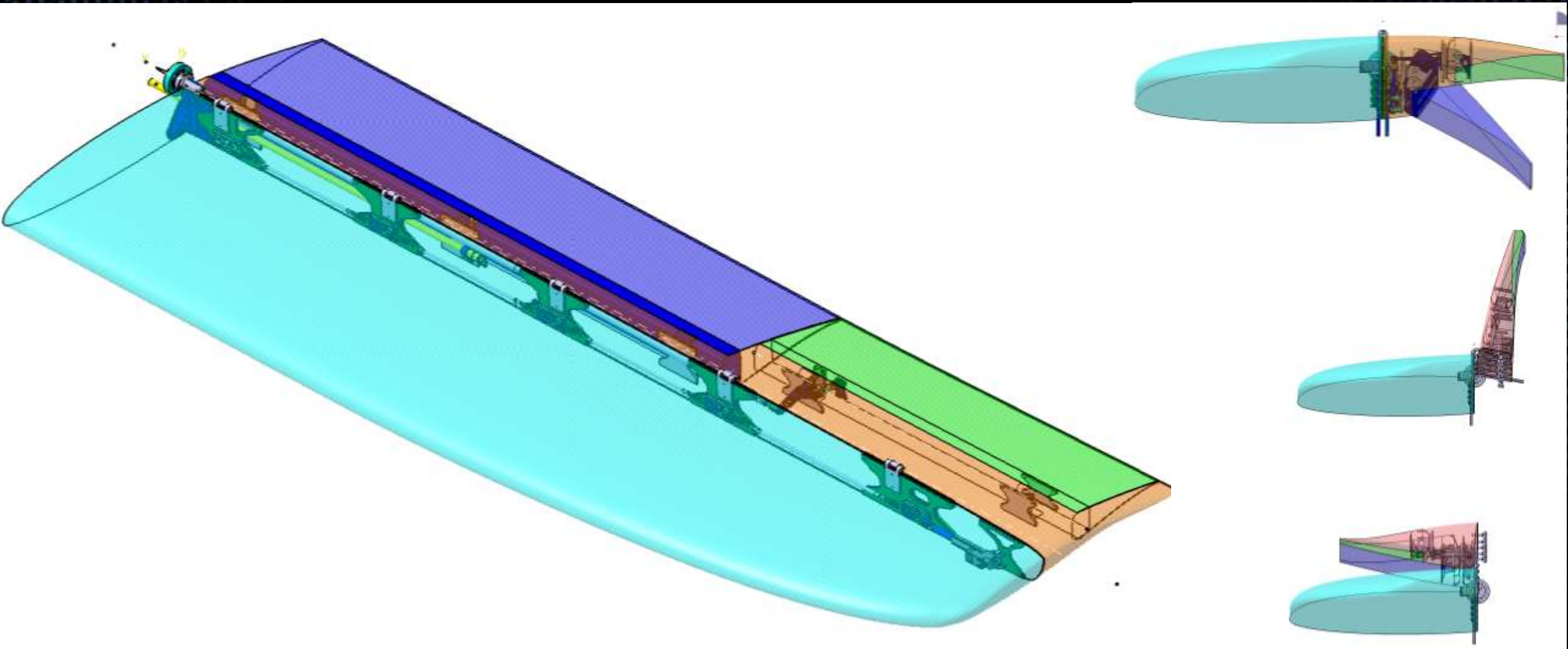

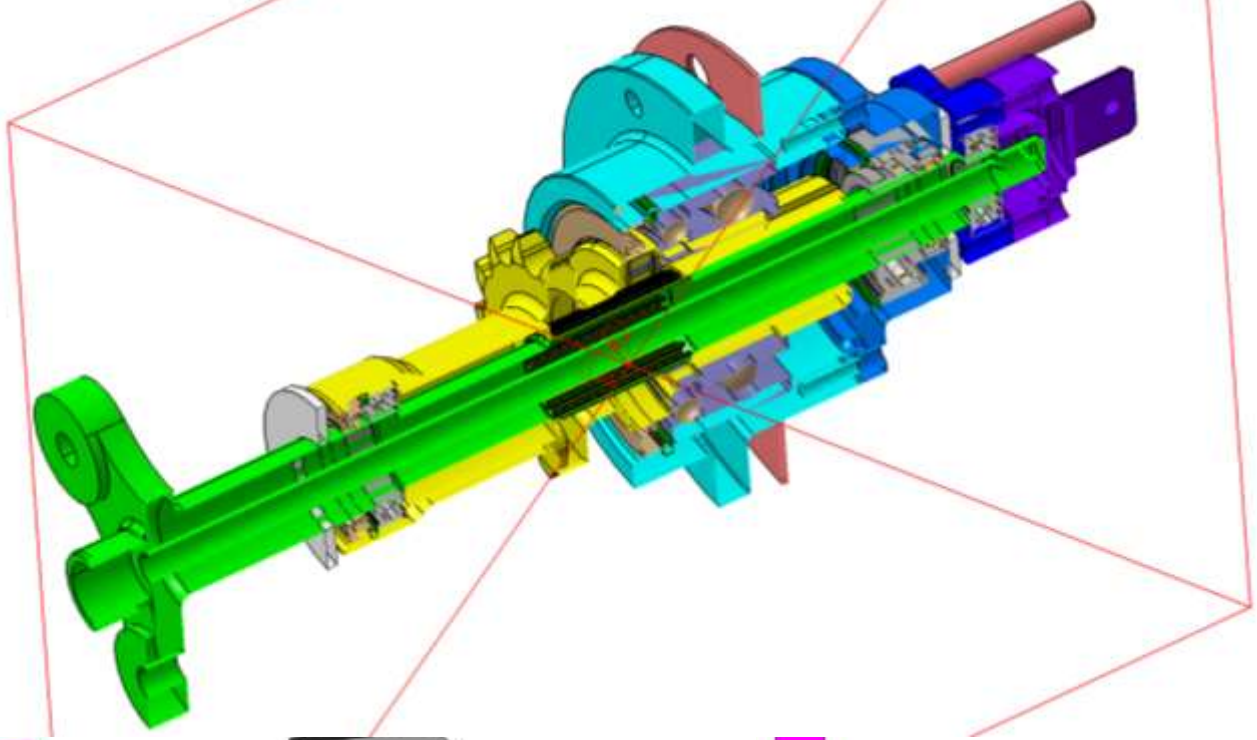

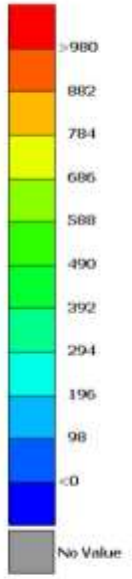
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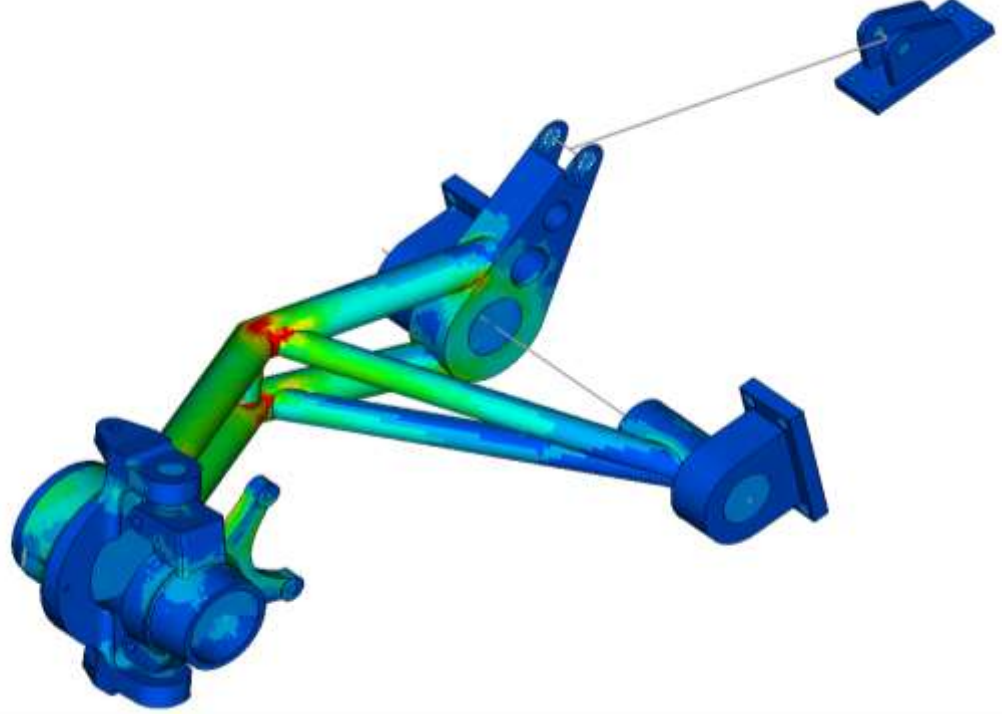

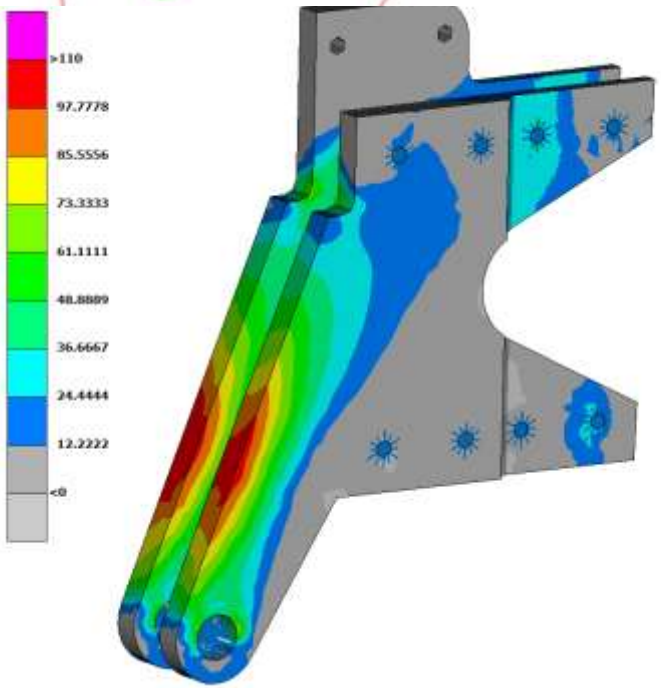
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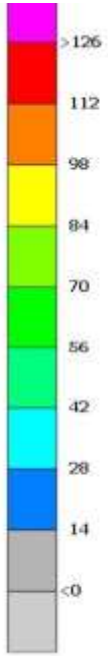
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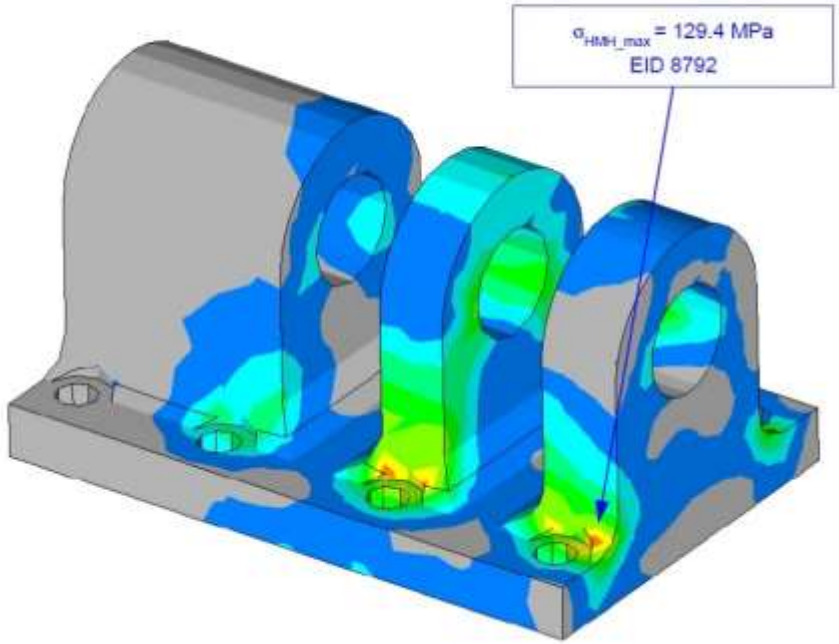
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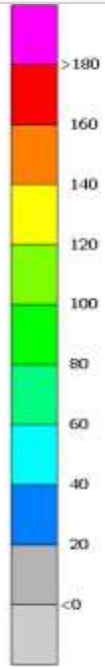
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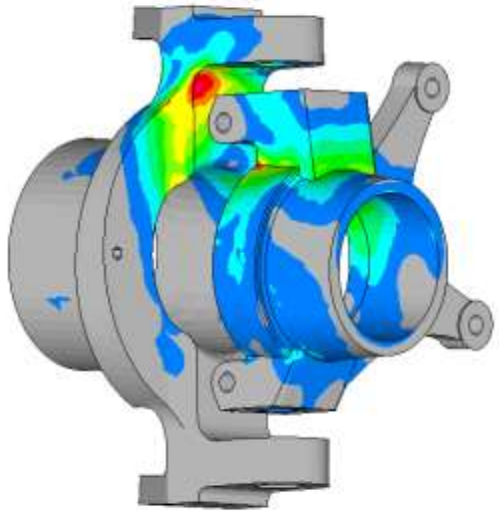

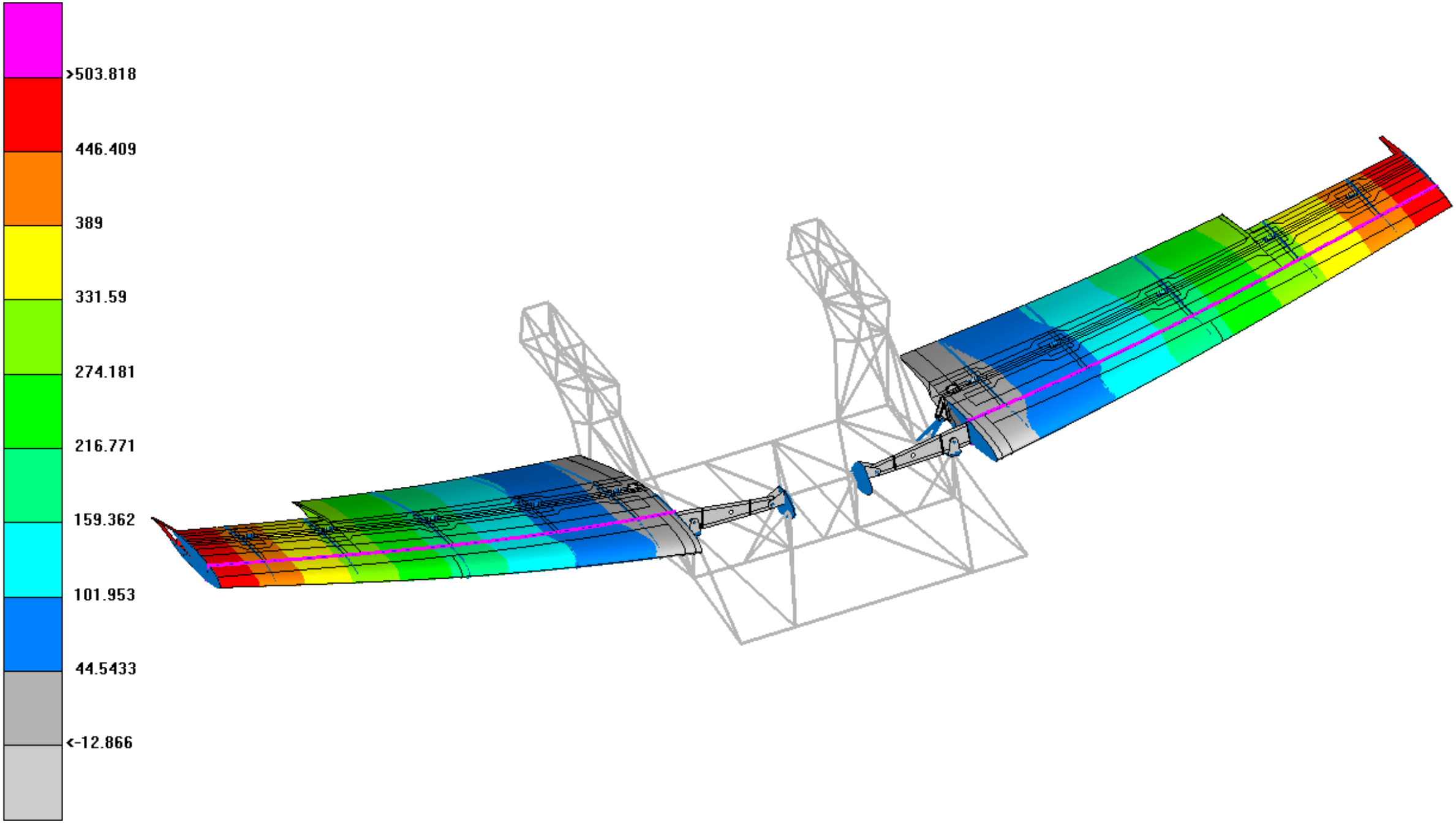
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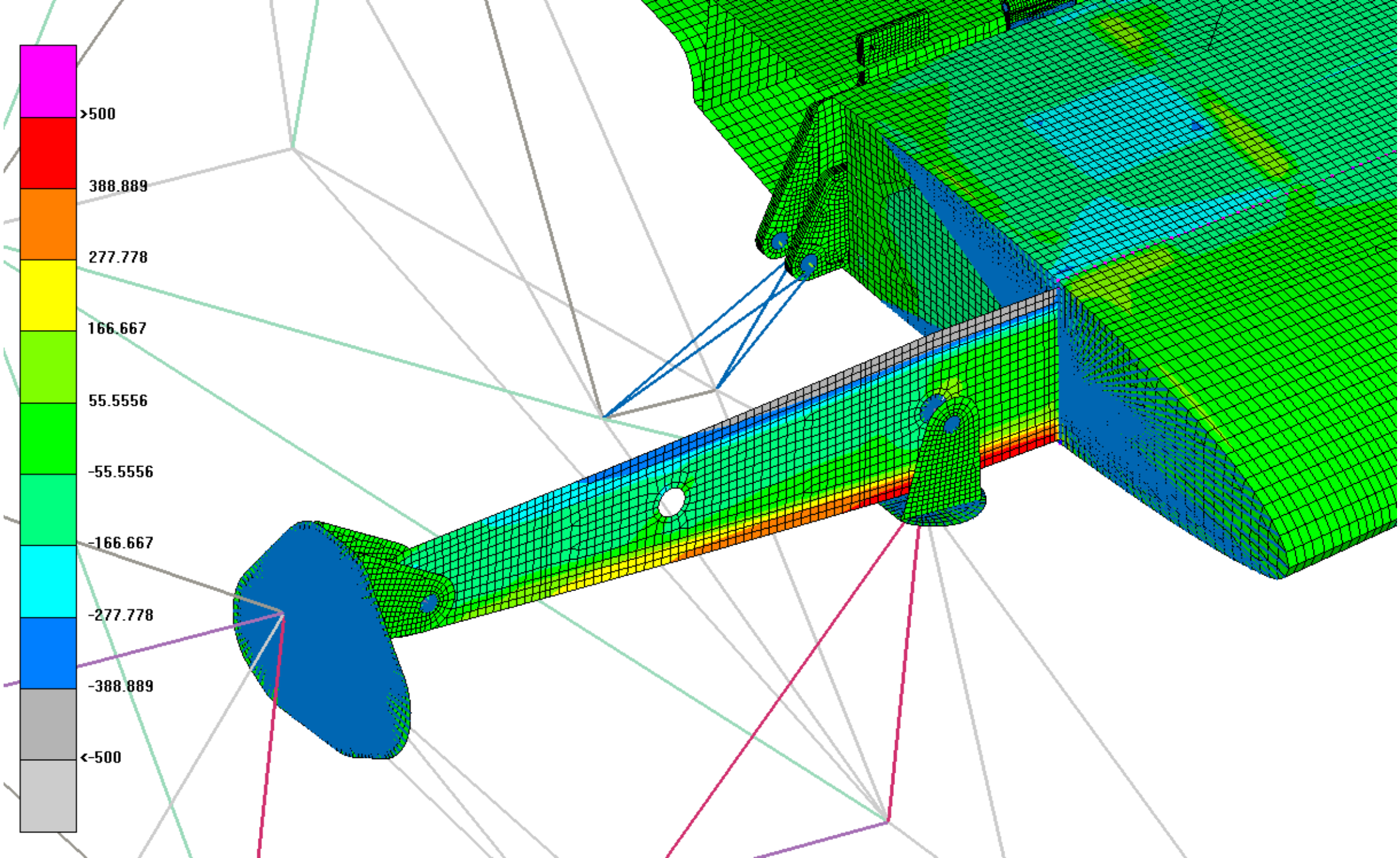
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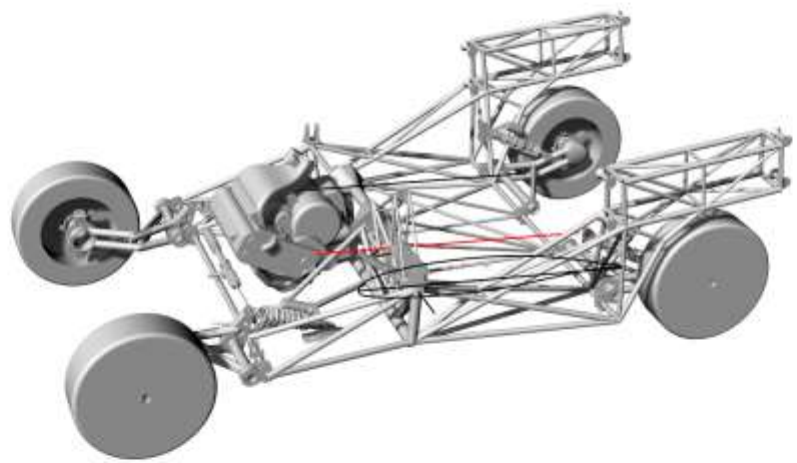
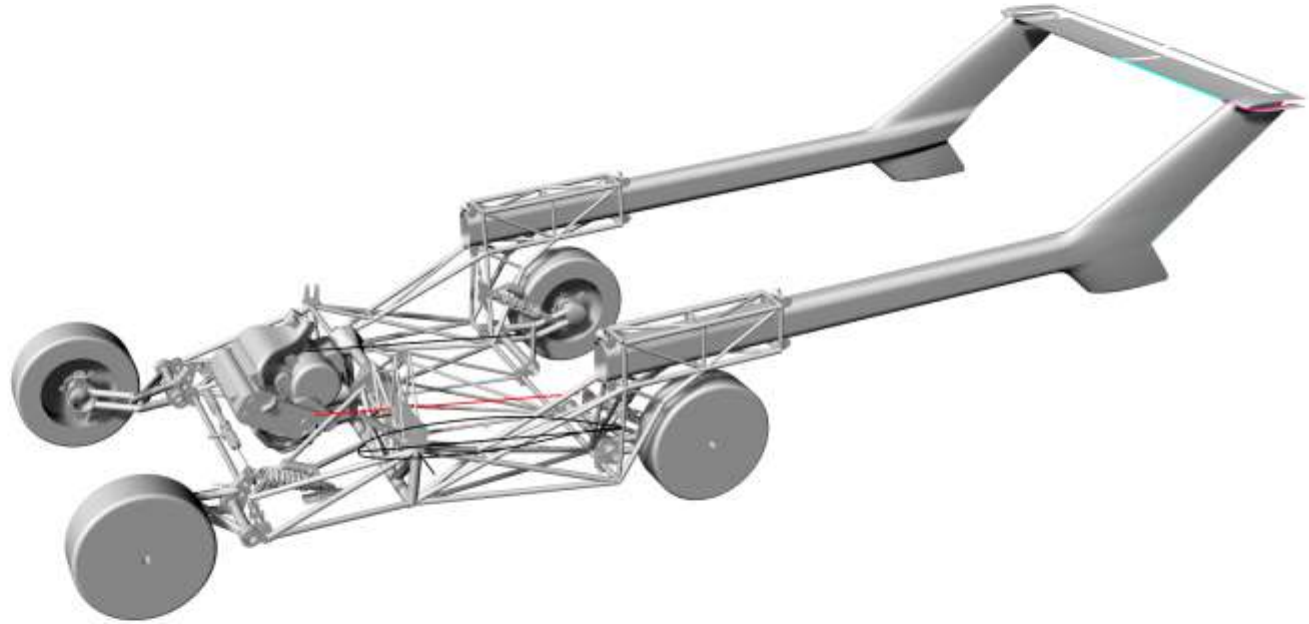
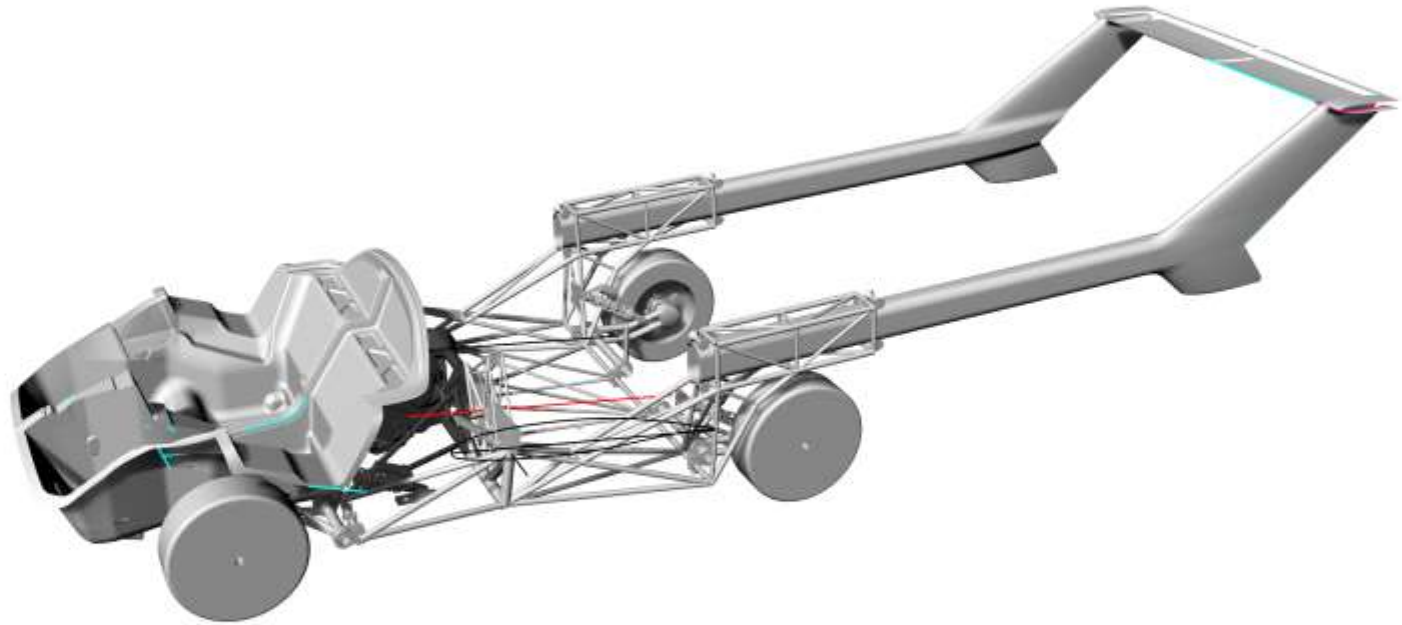
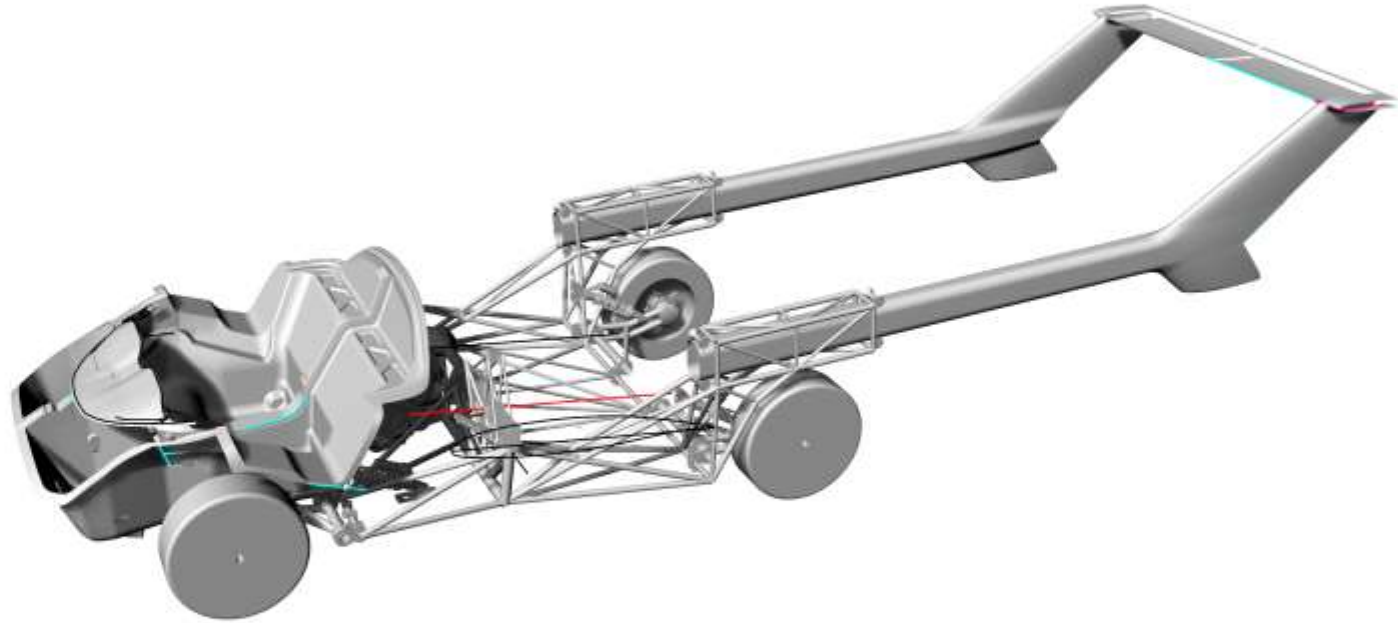
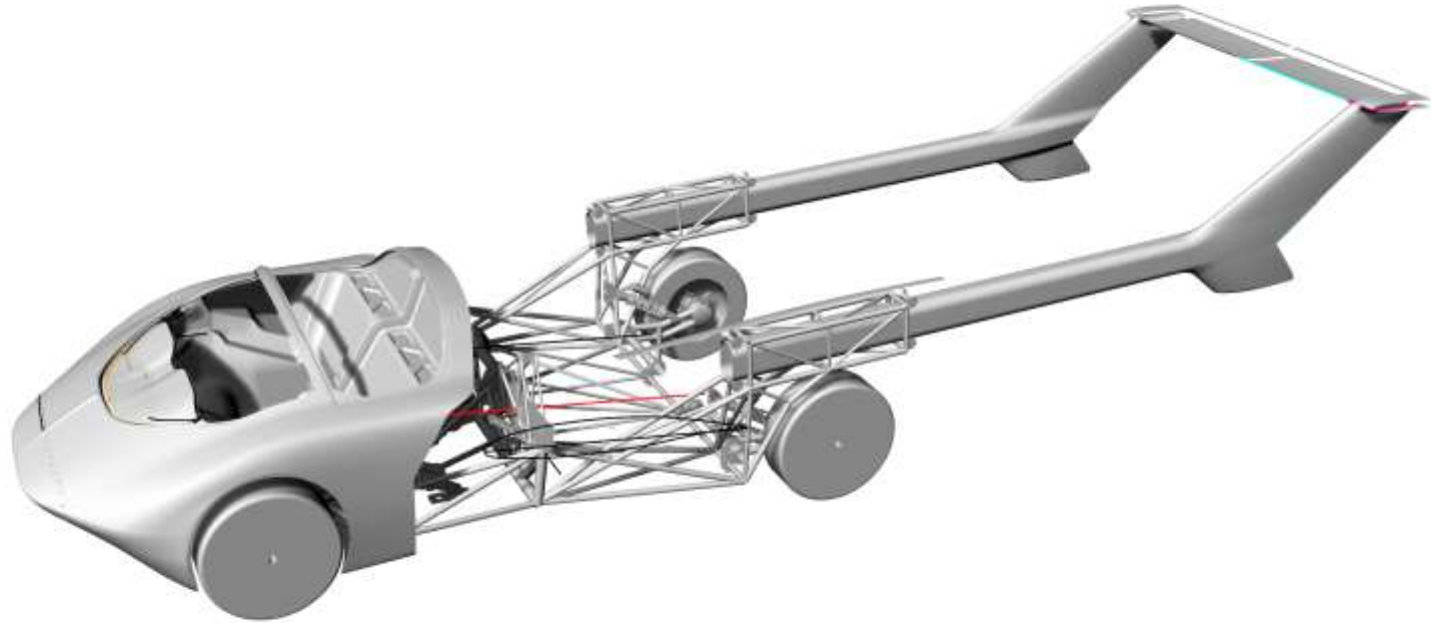
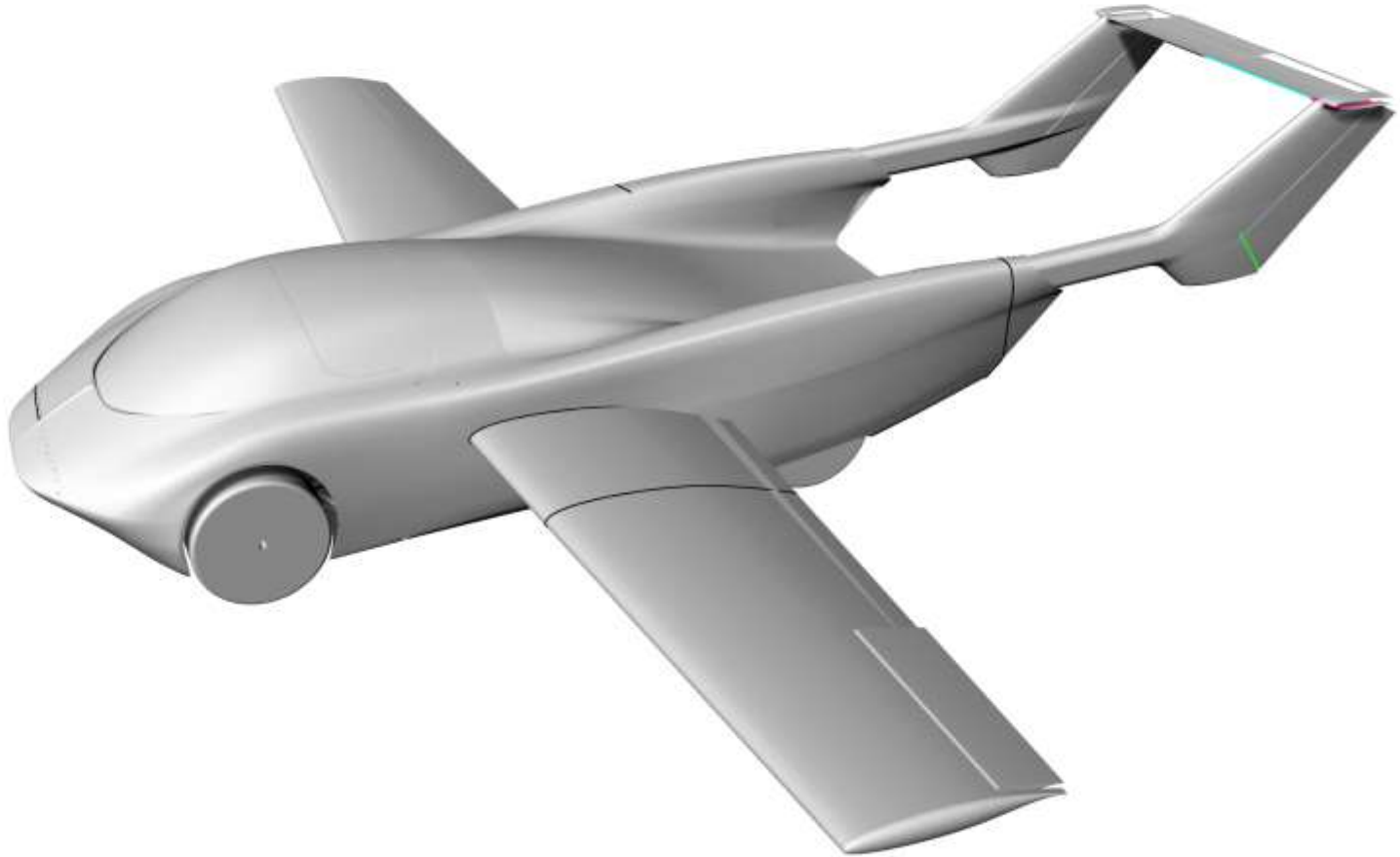




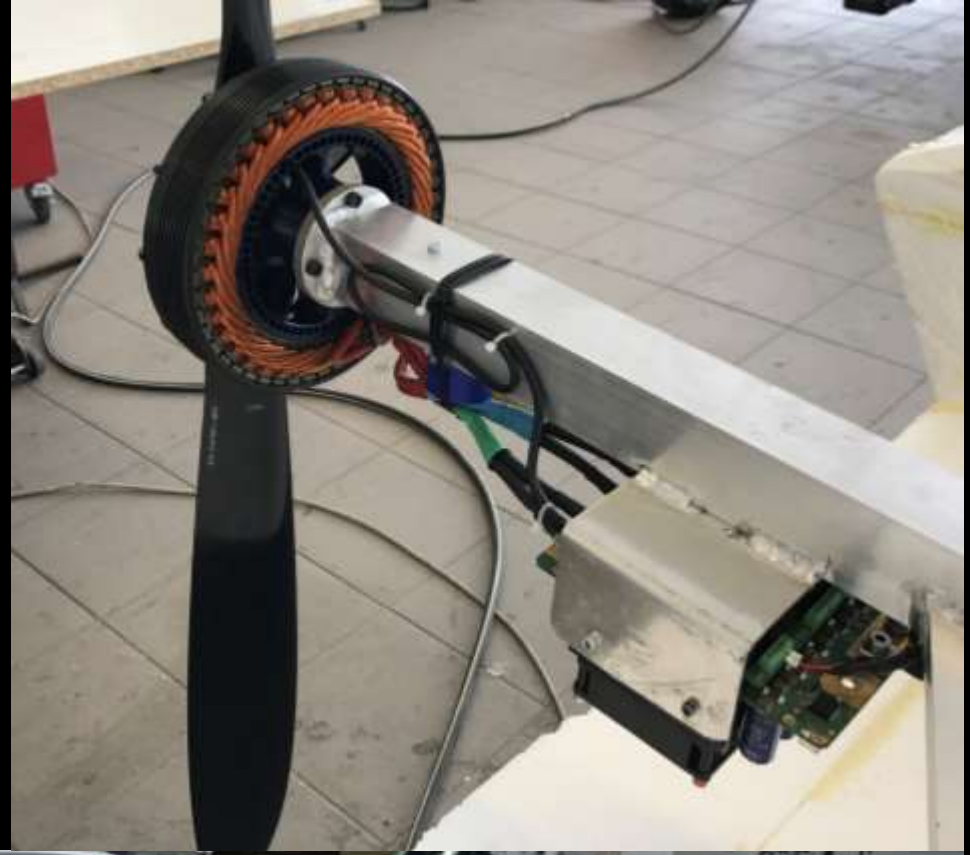




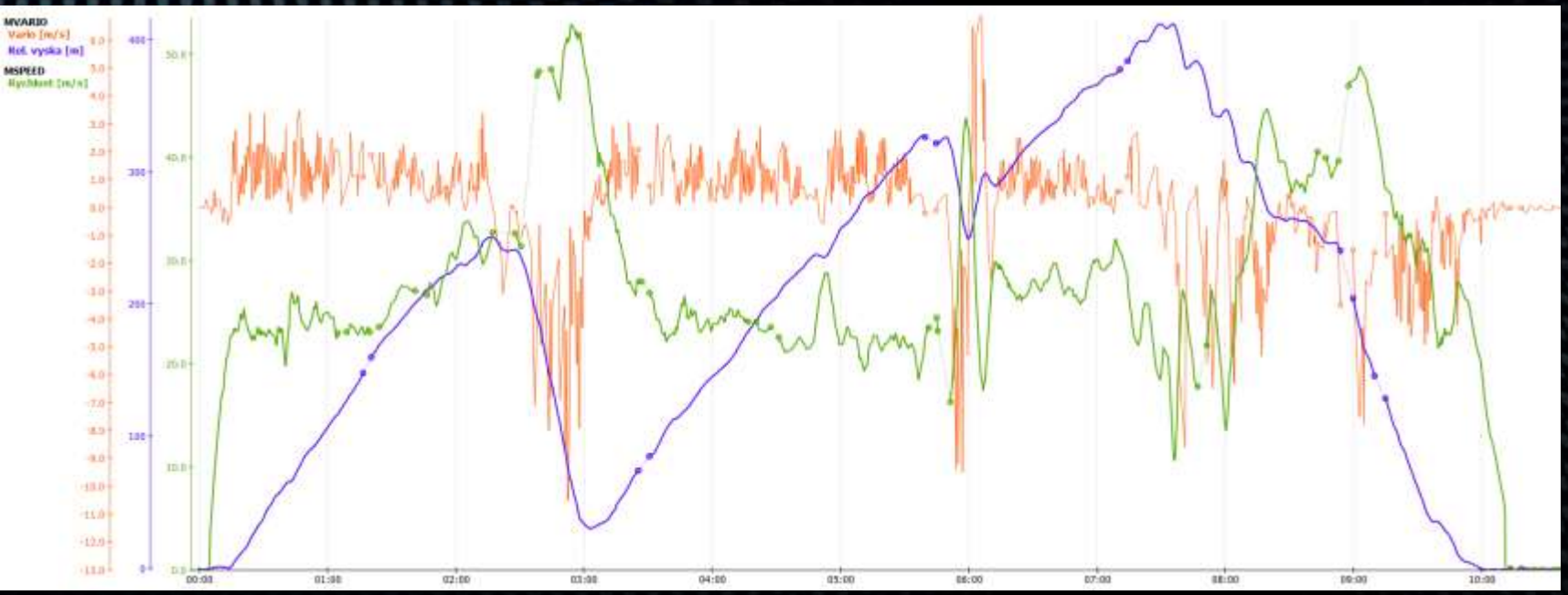


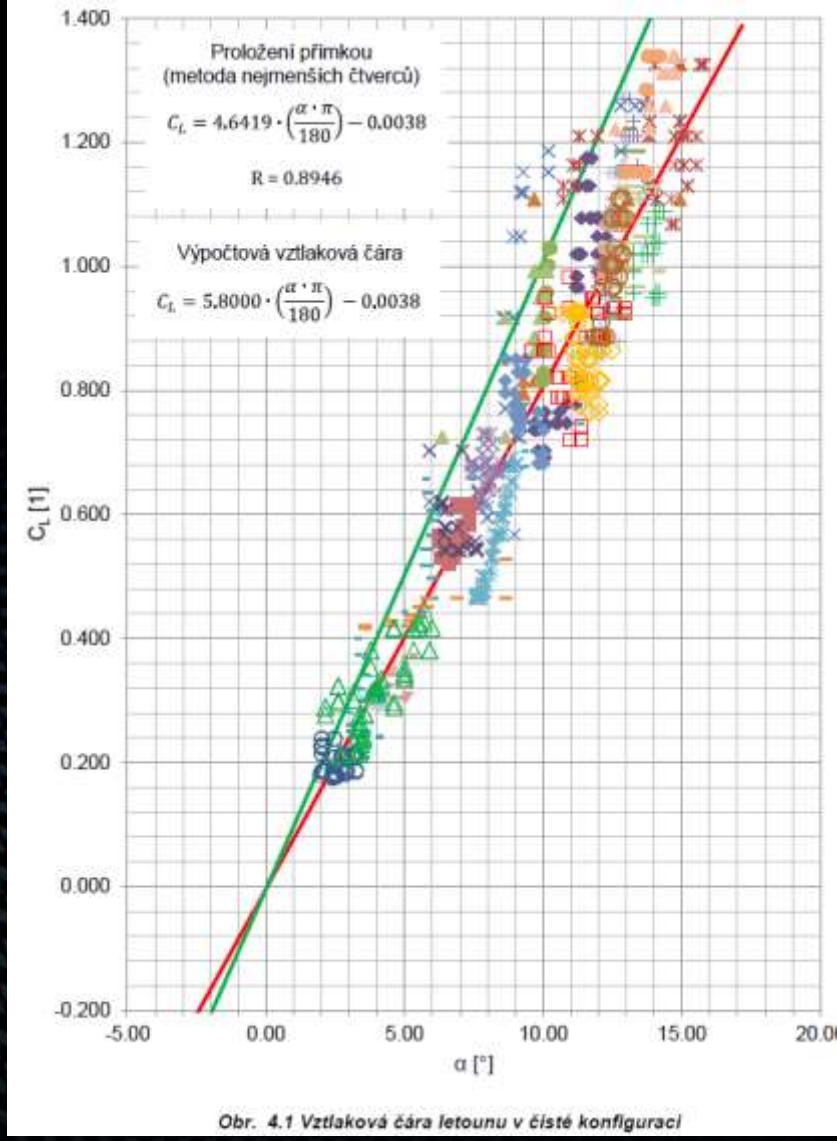


Flight testing (RC demonstrator in scale 1:1, weight: 300kg, AC motor: 20kW)



Flight data gathering and data analysis





Obr. 4.1 Vztlaková čára letounu v čisté konfiguraci

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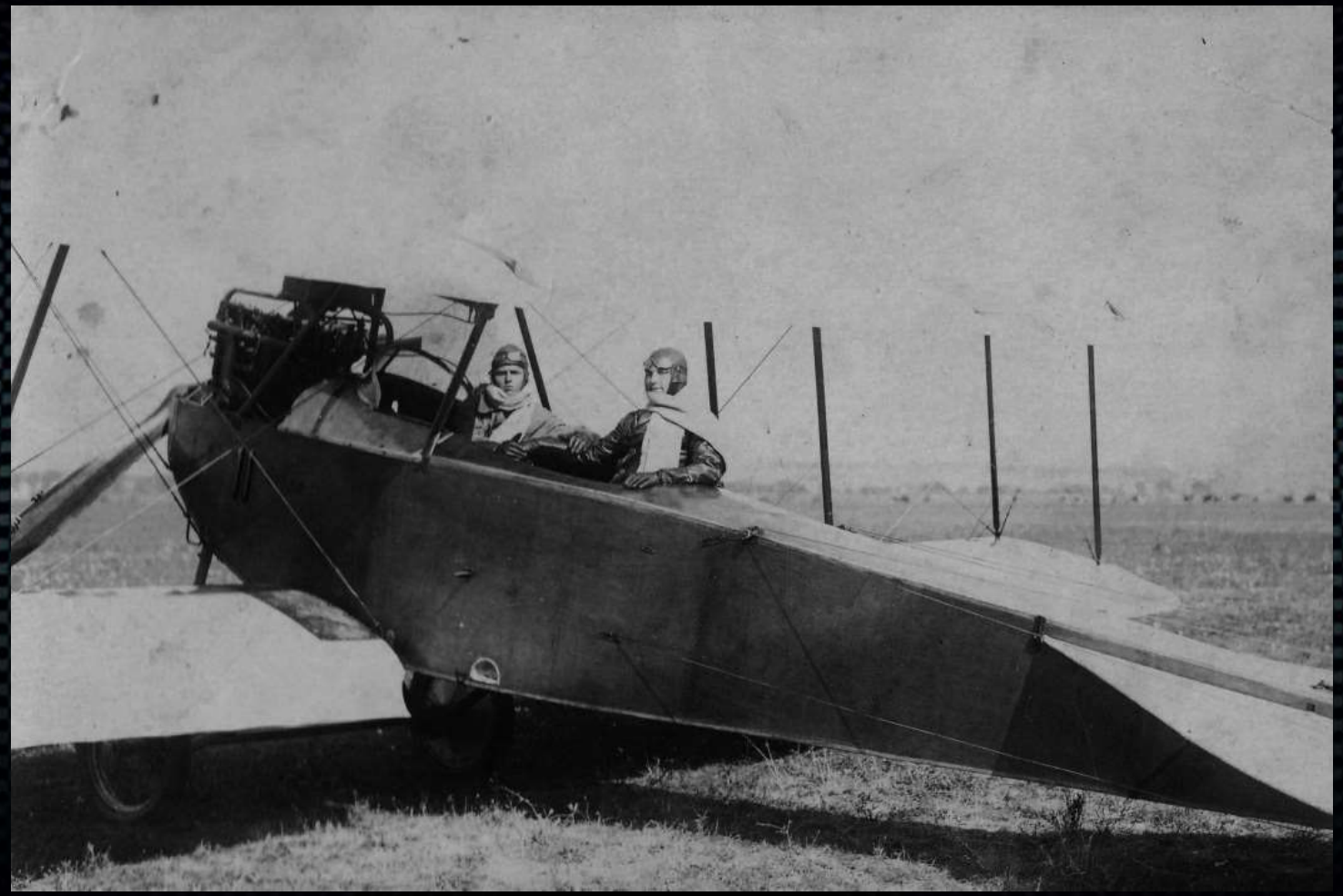
Thank you for your attention



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