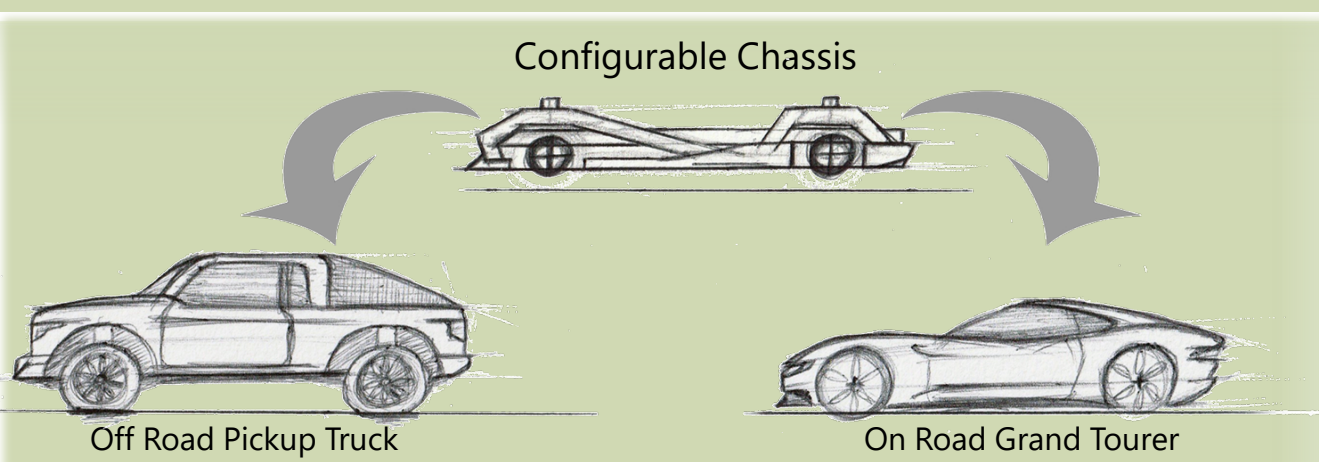


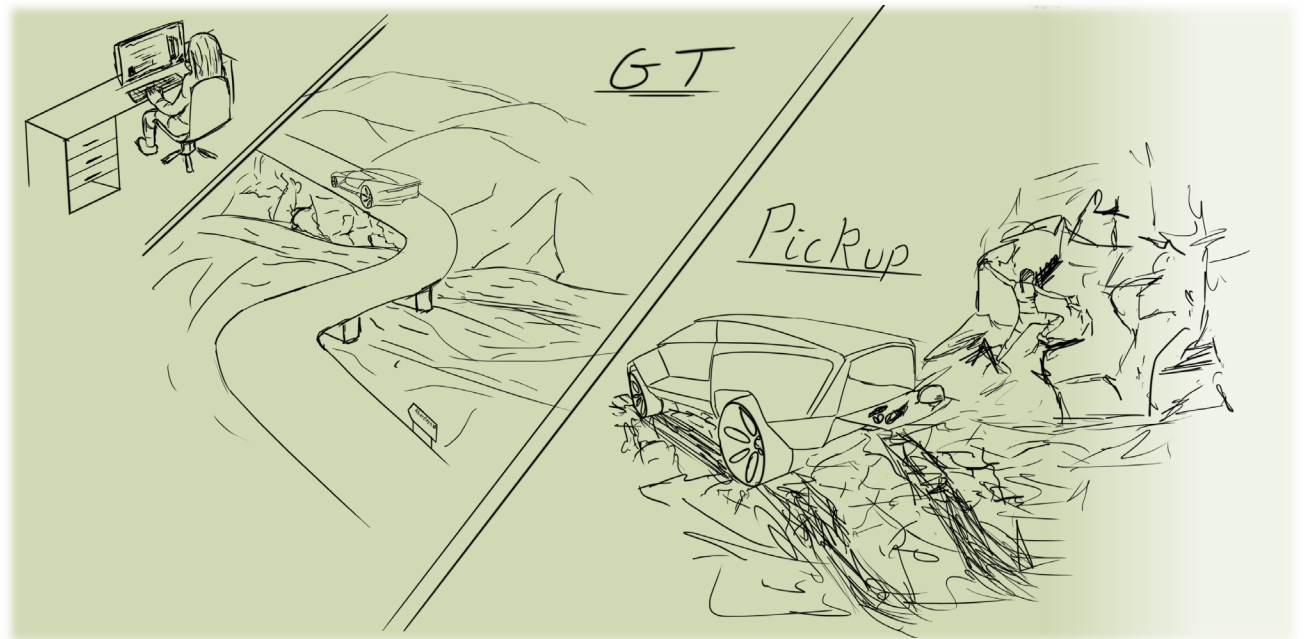
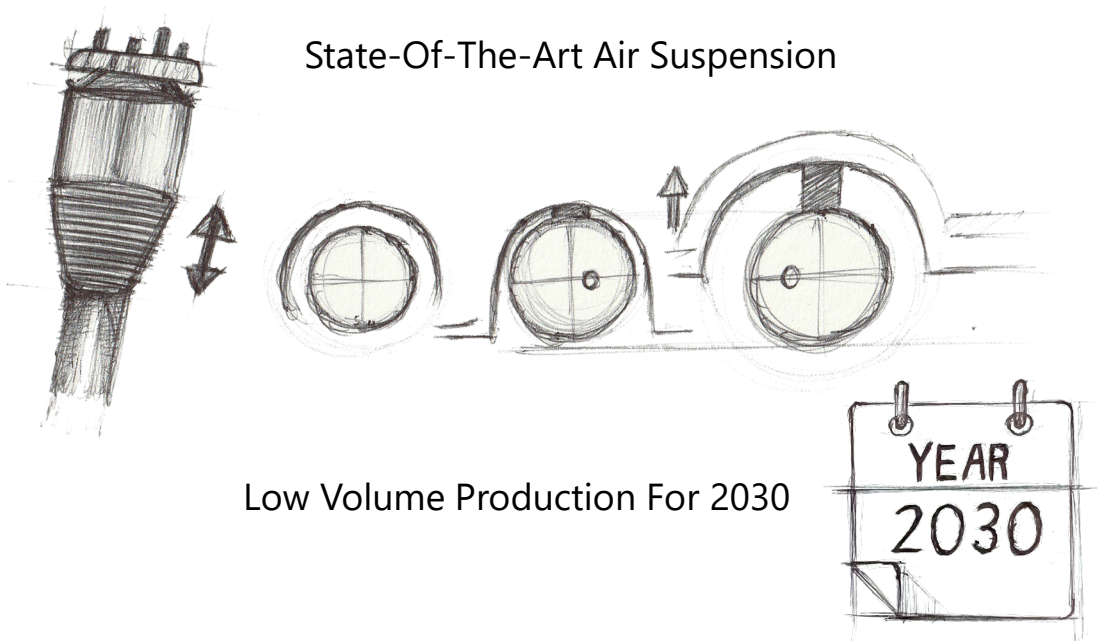
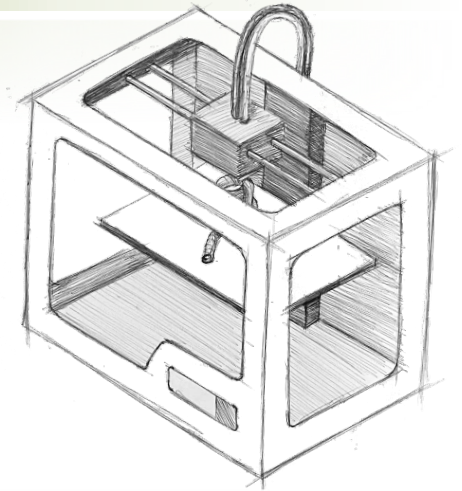
Adaptable Vehicle 2030

Oliver Webb

Project Introduction



AI Generated 3D Printed Components





Lesley Claire

Gender: Female

Income: £59,000 p/a

Age: 39 (Gen Y)

Location: Ballater, Aberdeenshire, UK

Occupation: Business Consultant

Hobbies: Hiking, Cycling, Climbing

Sporty Activities

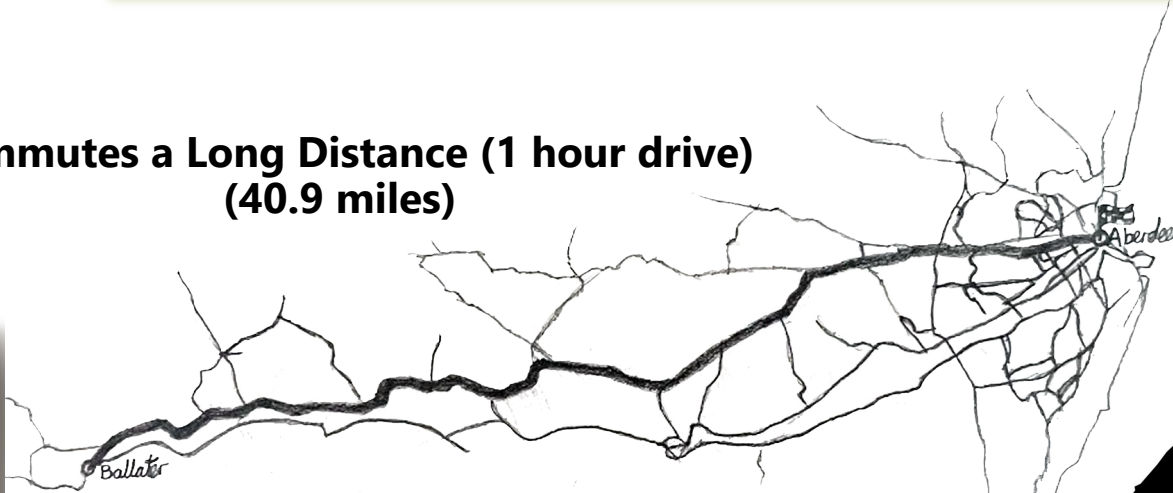
**Commutes a Long Distance (1 hour drive)
(40.9 miles)**

**Outdoor Orientated
Lifestyle**

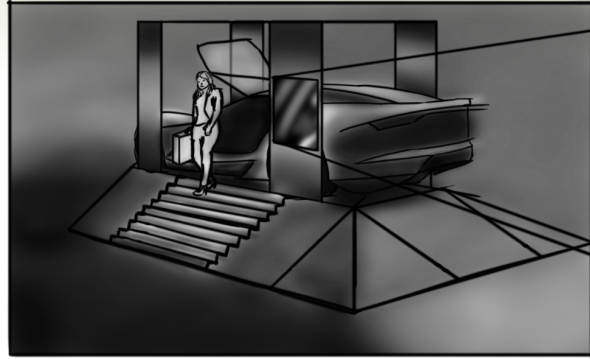
**Enjoys a Manual Leisurely
Driving Experience**

**Requires an
Interchangeable
Platform**

Enhance Her Daily Experiences



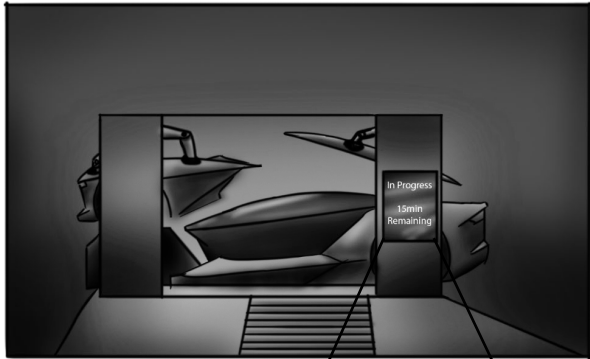
Storyboard



Configuration
Change
Scheduled

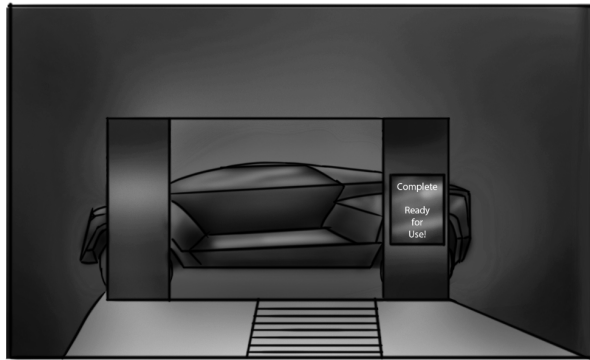
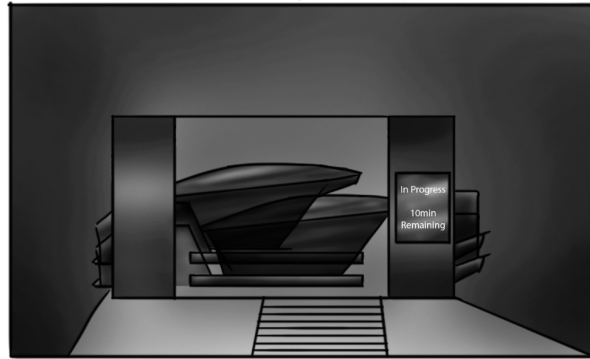
GT - Pickup

Est. 20min.



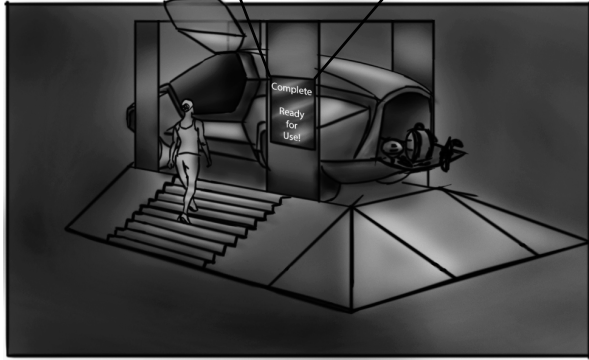
In Progress

15min
Remaining

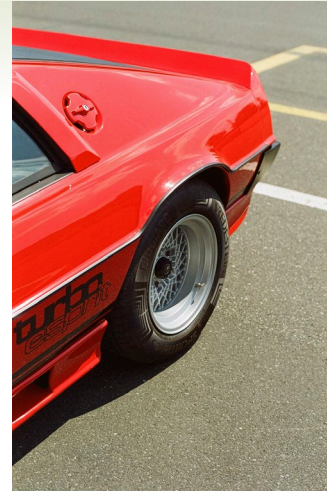


Complete

Ready
for
Use!



Inspirational Imagery



Natural



Pure

Fractal



Villa Marteau Concert Hall





Hackrod La Bandita



EDAG Light Cocoon

AI Generated Vehicles

Contemporary Off Road Lifestyle Vehicle

Contemporary Luxury Grand Tourer

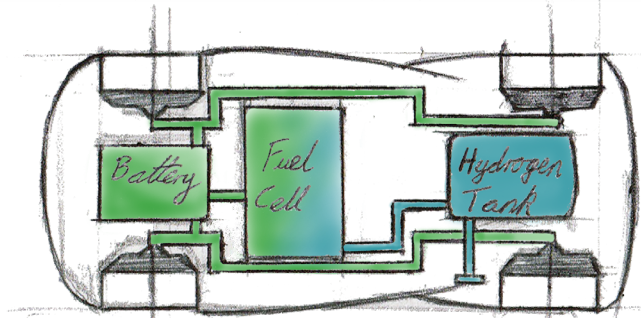
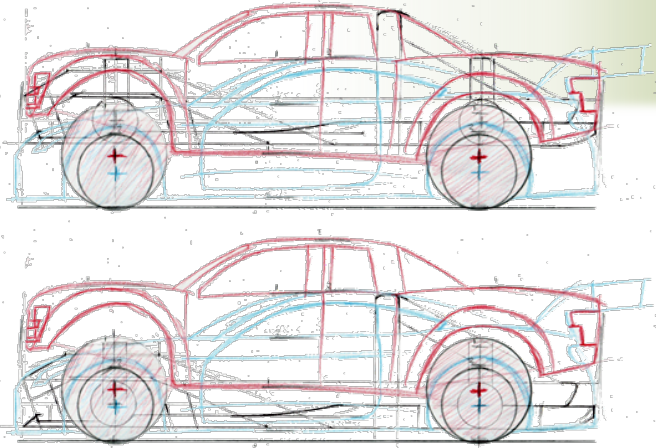
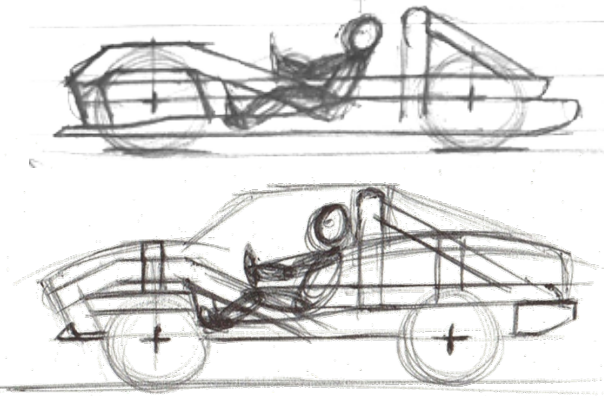
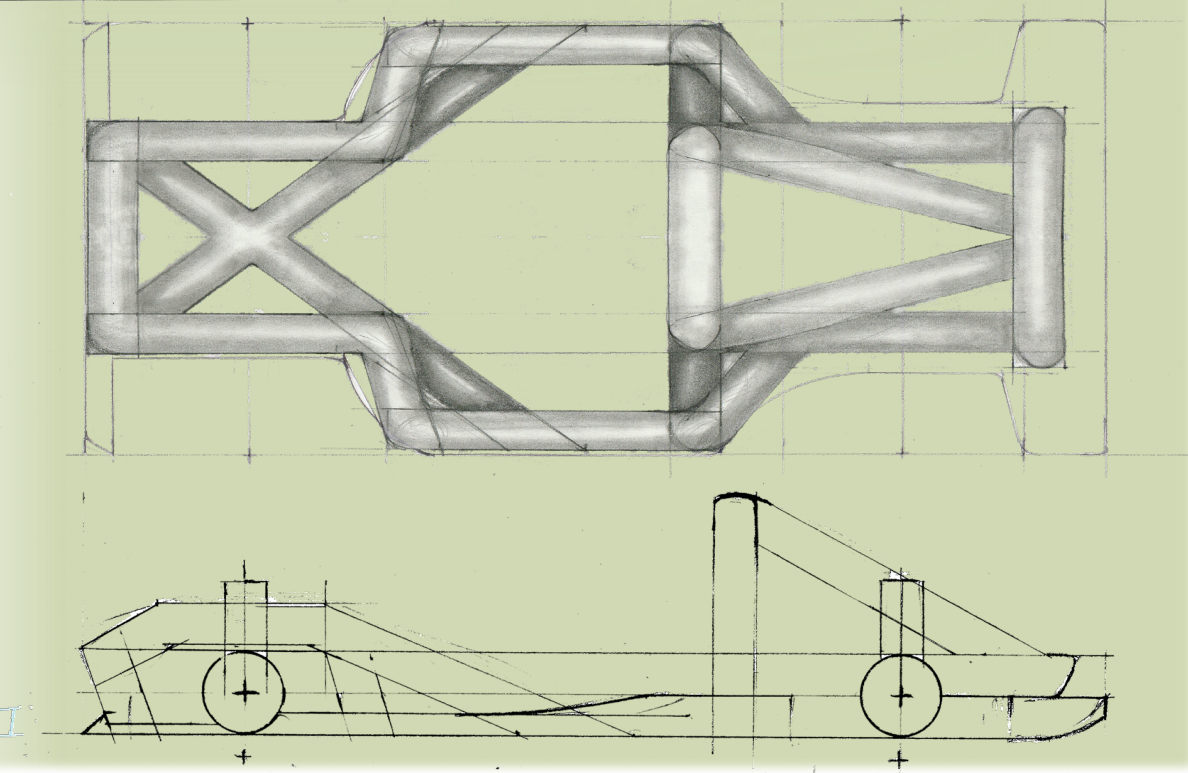
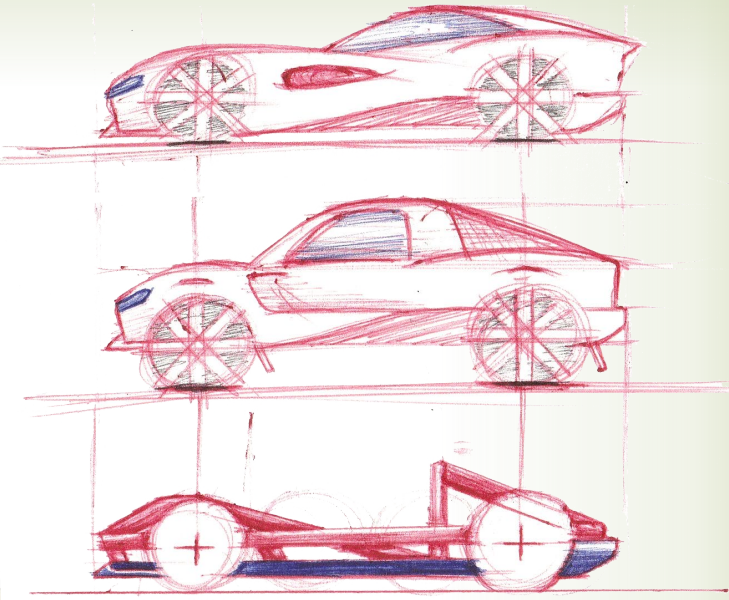
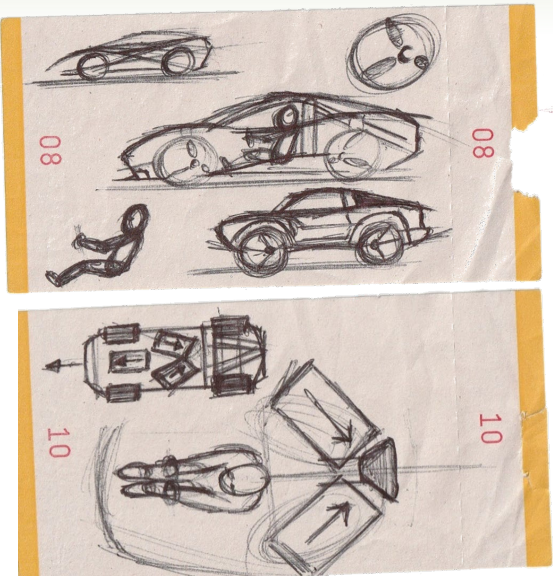


Bentley Continental GT

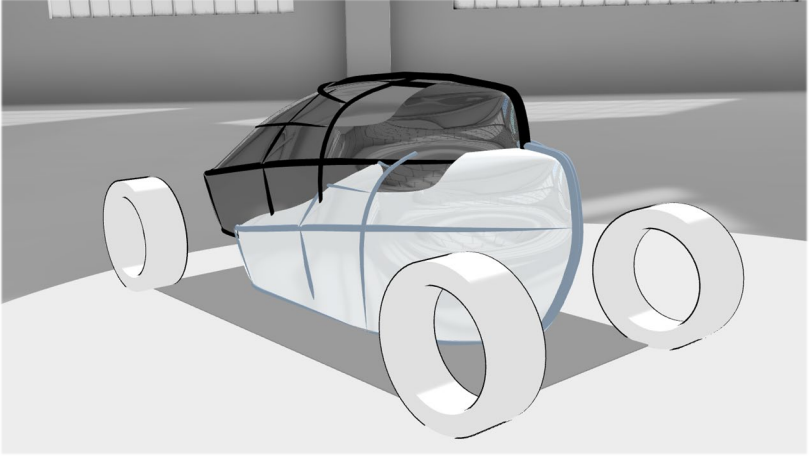
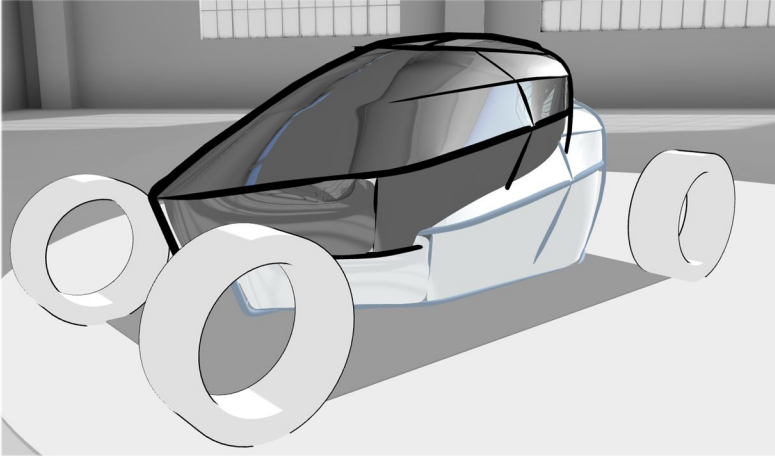
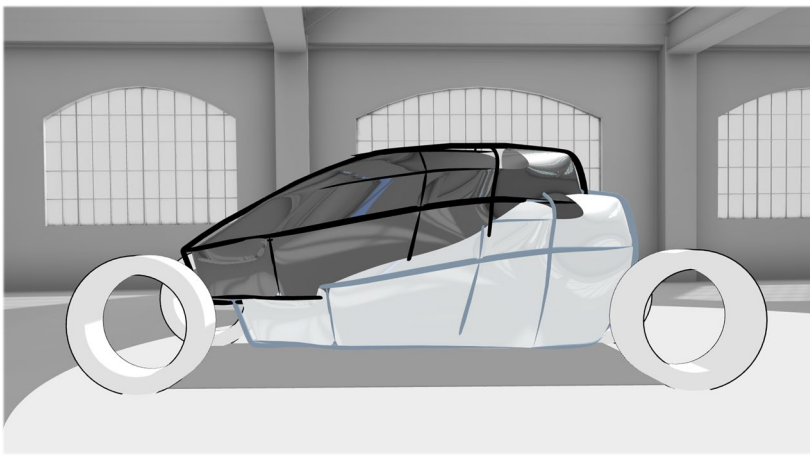
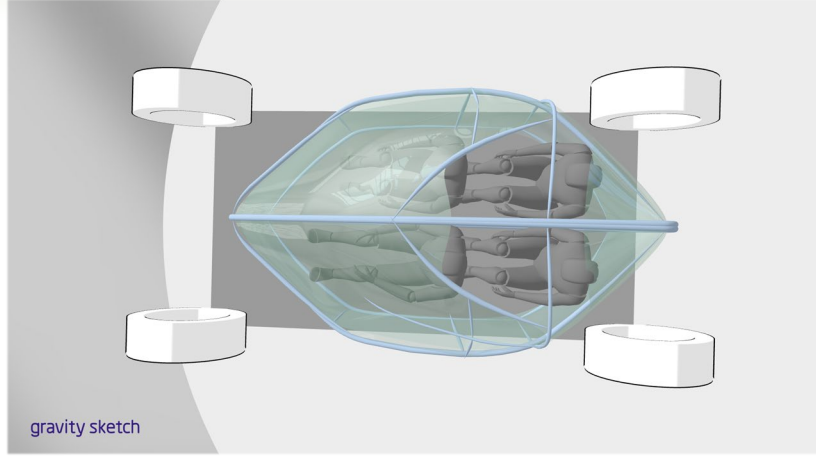
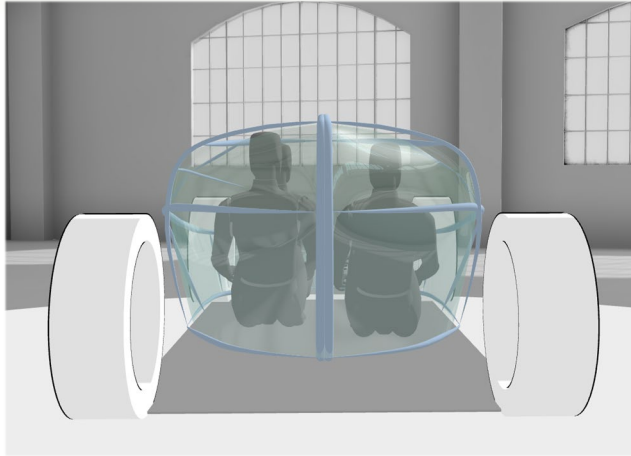
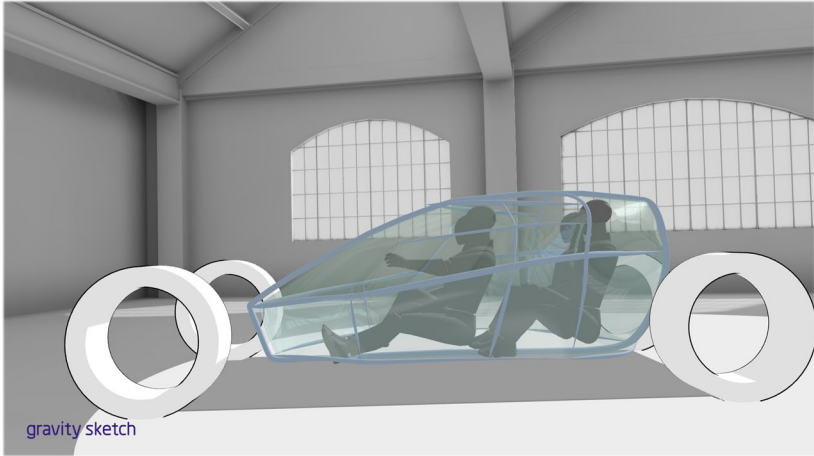


2021 Ford Bronco

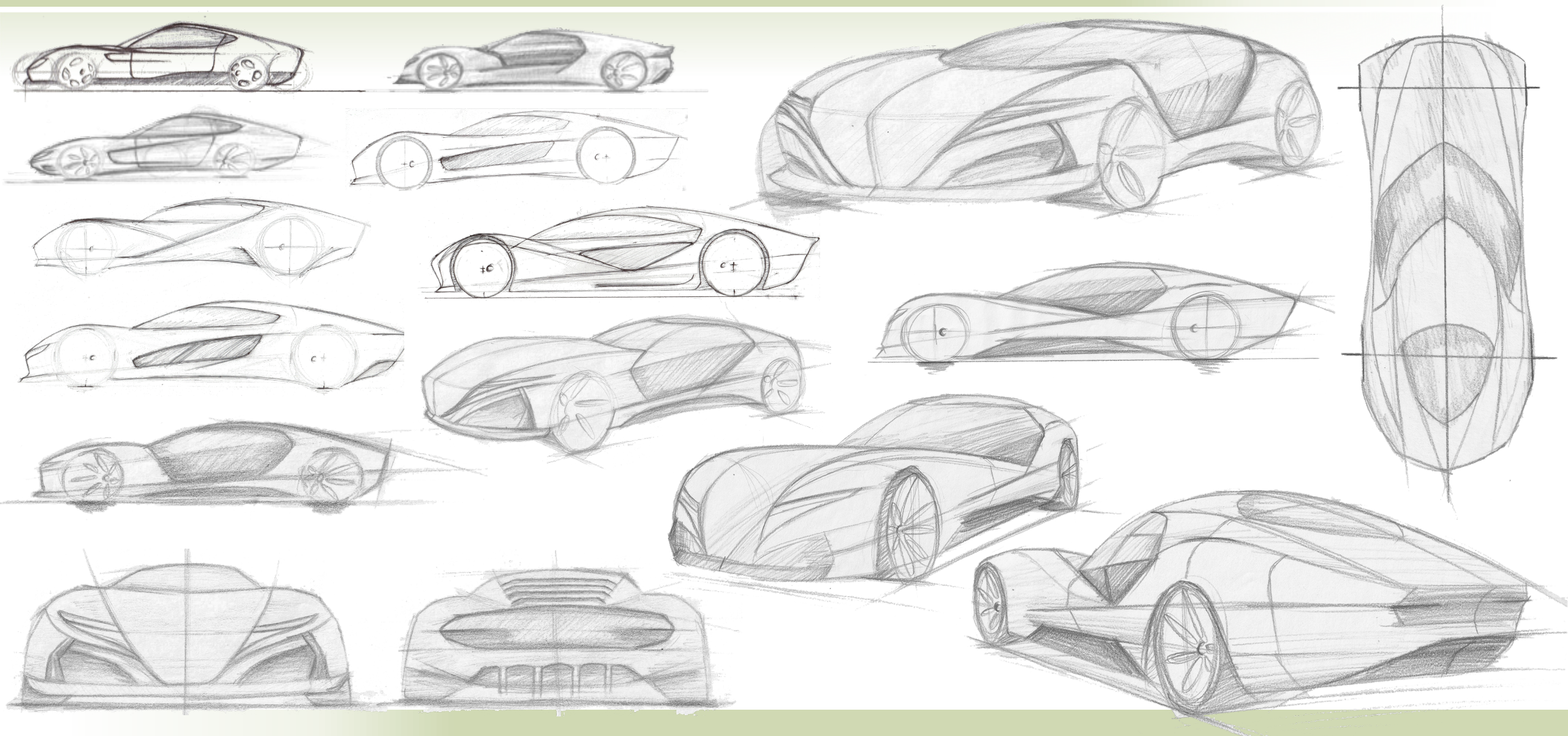
Initial Design Development: Chassis



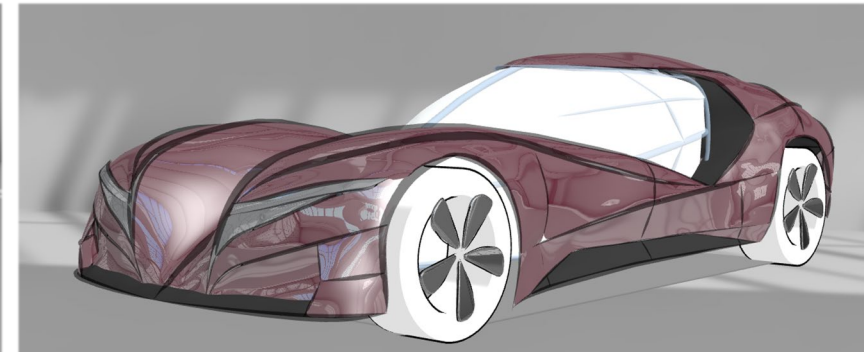
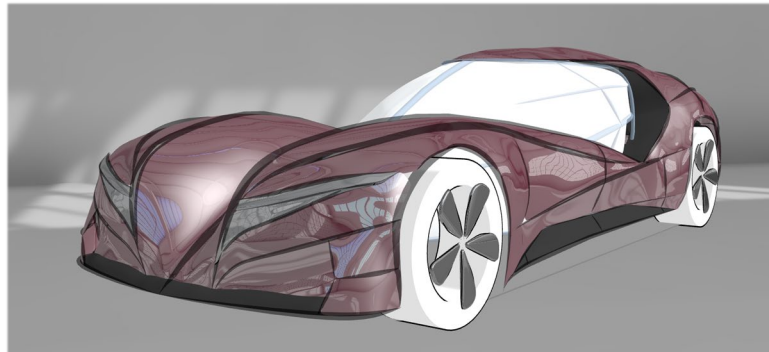
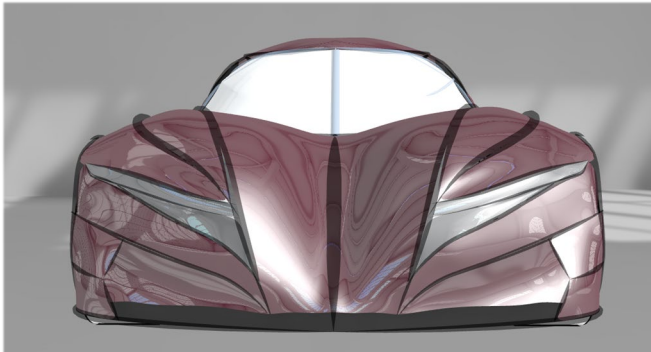
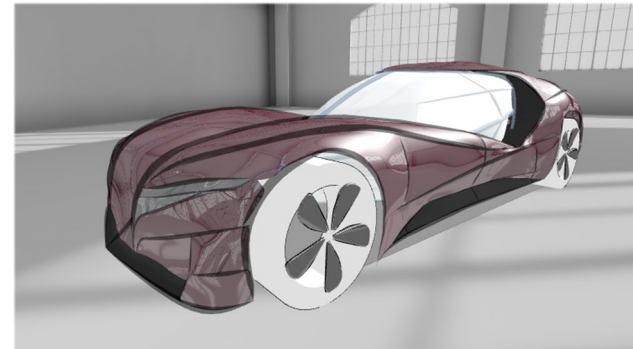
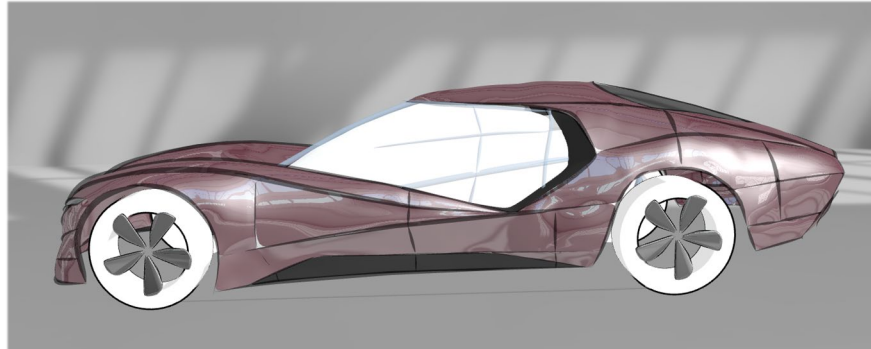
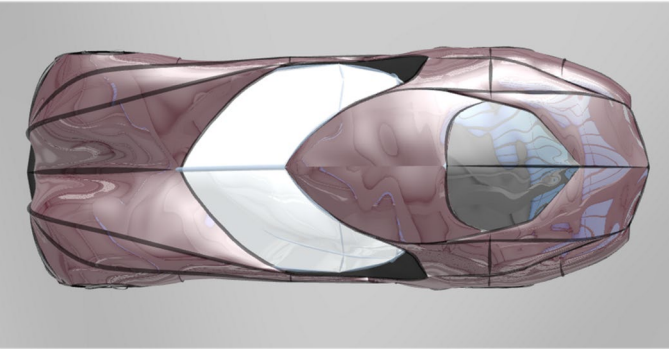
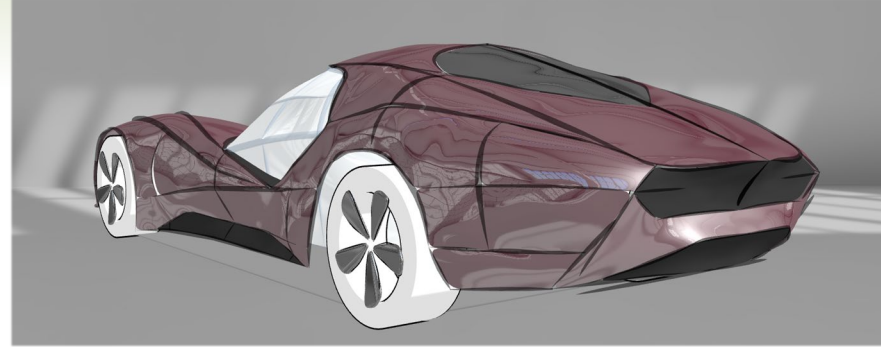
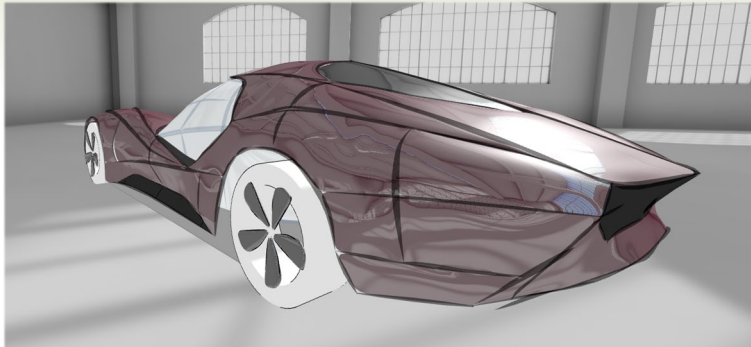
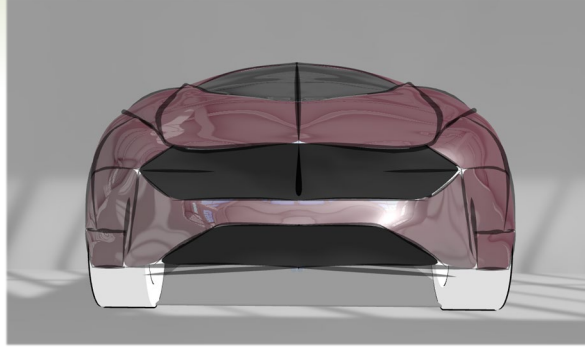
Initial Design Development: Chassis Pod (Gravity Sketch)



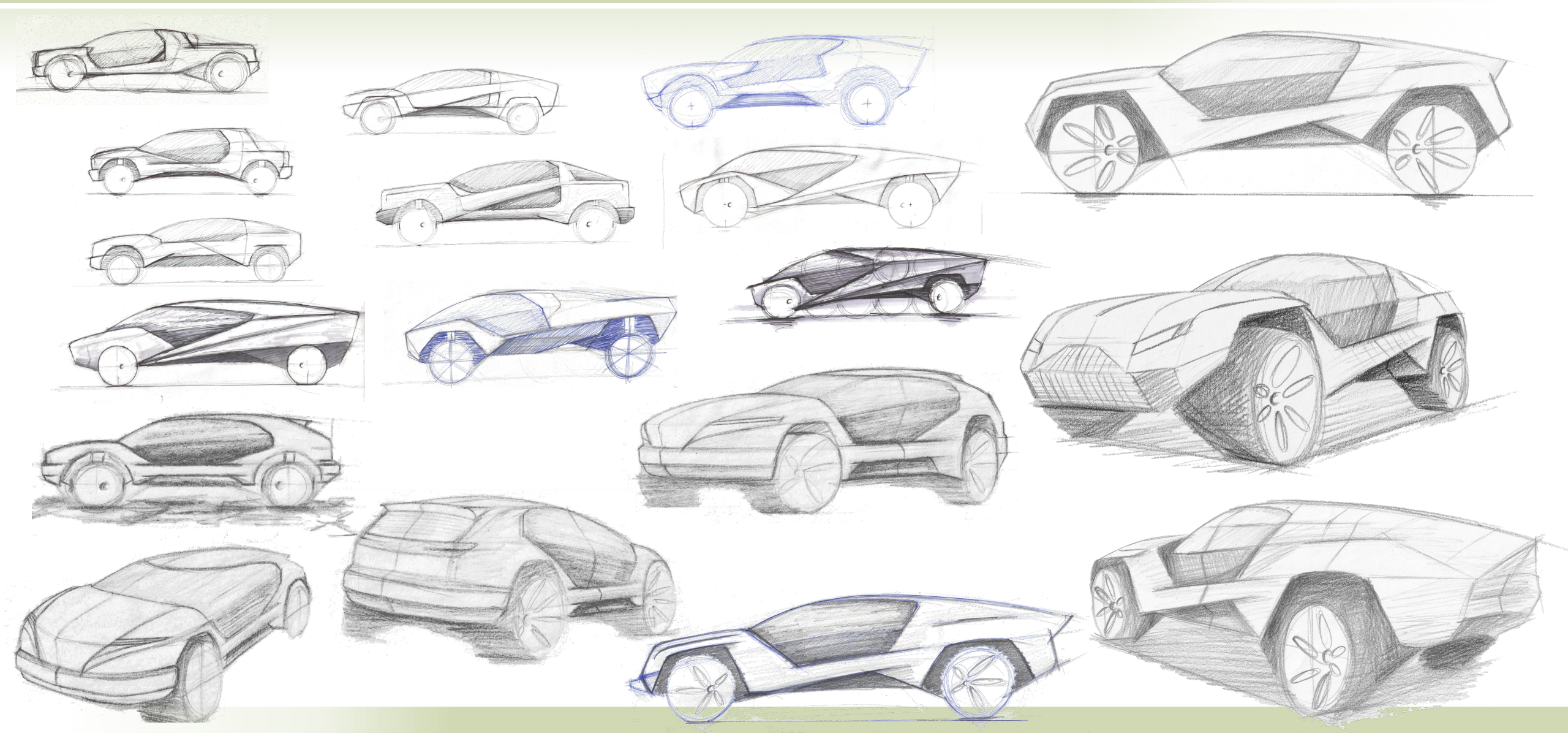
Initial Design Development: GT



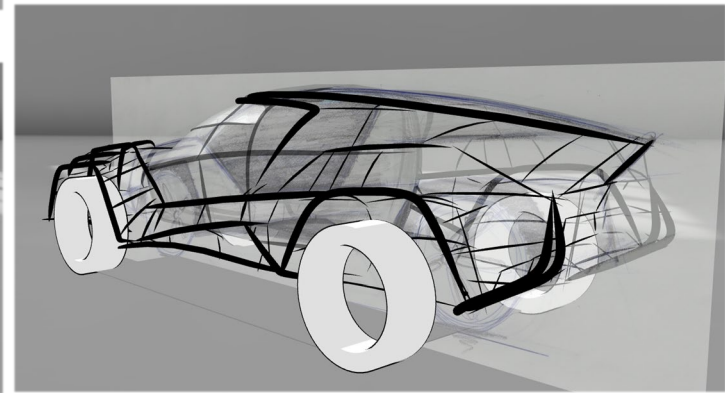
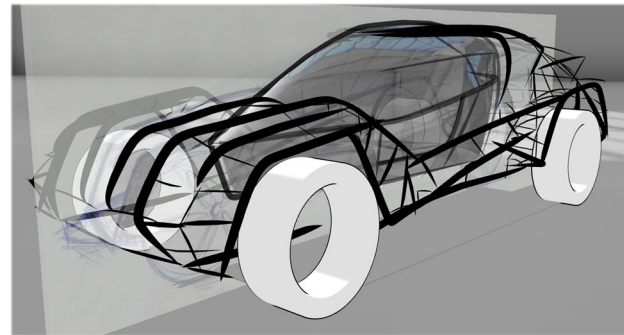
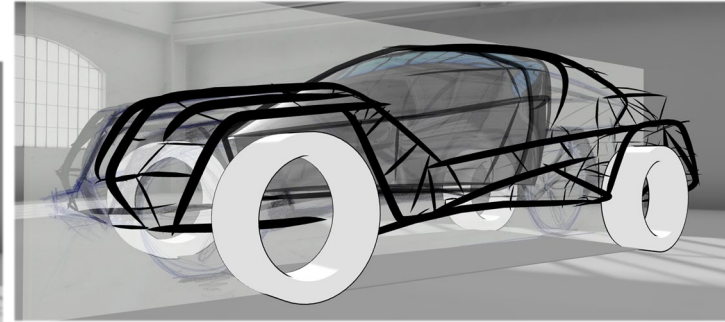
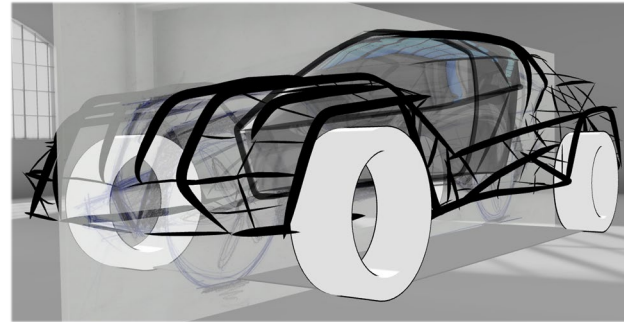
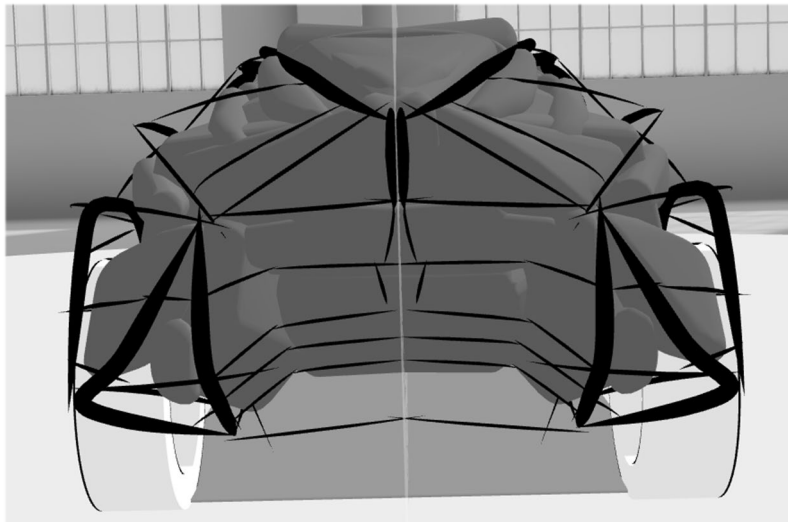
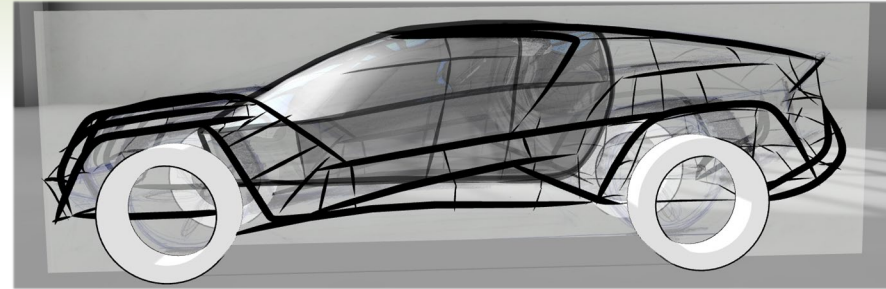
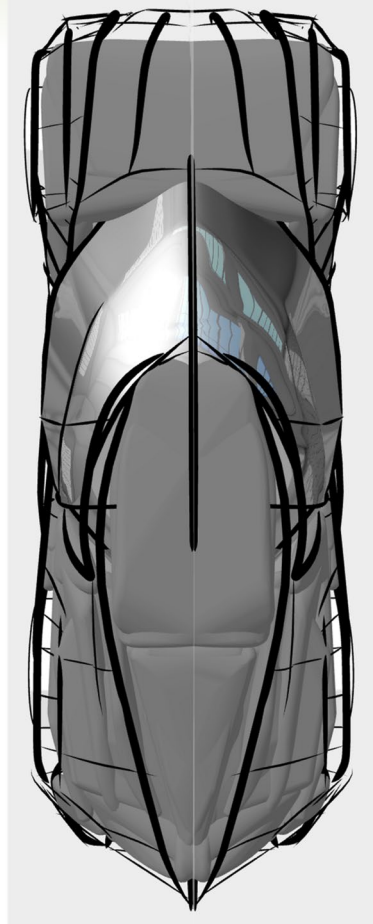
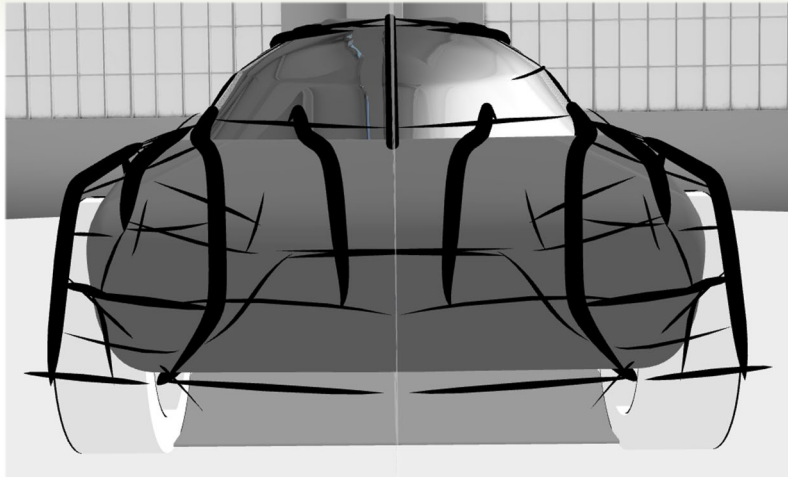
Initial Design Development: GT (Gravity Sketch)



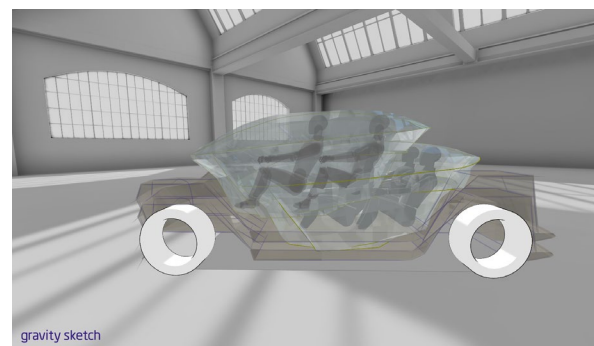
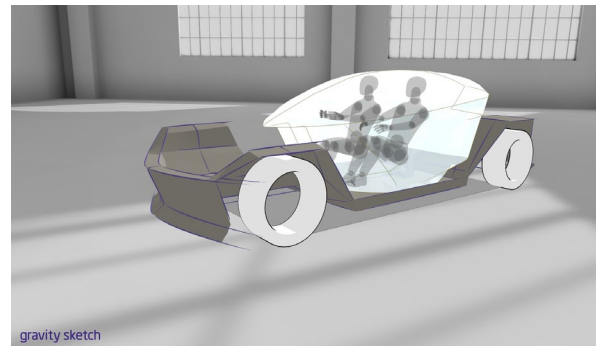
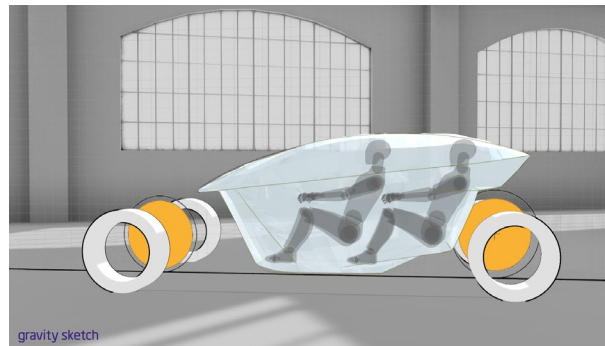
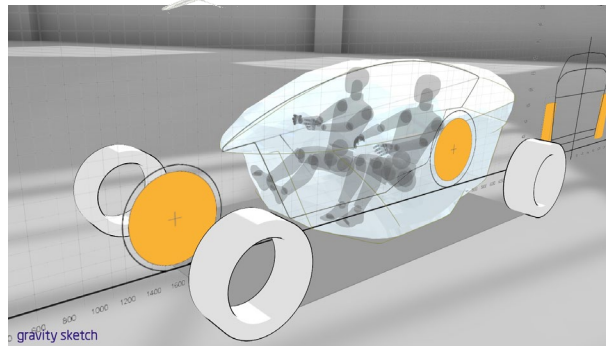
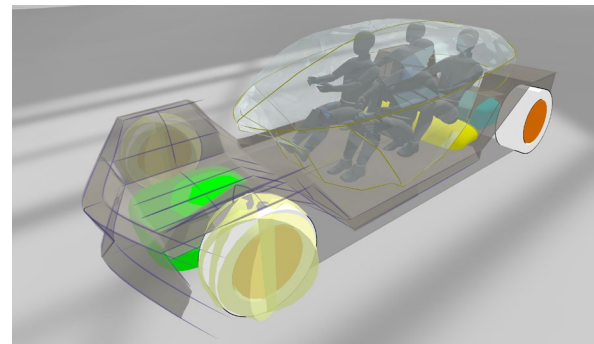
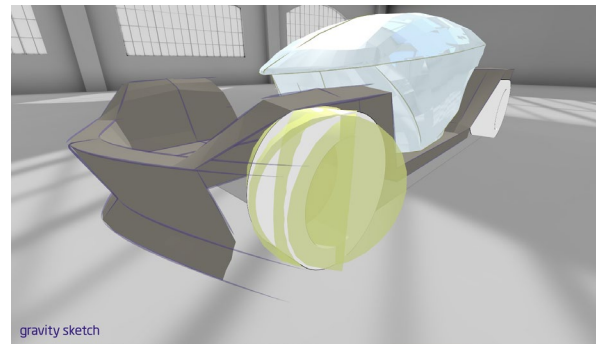
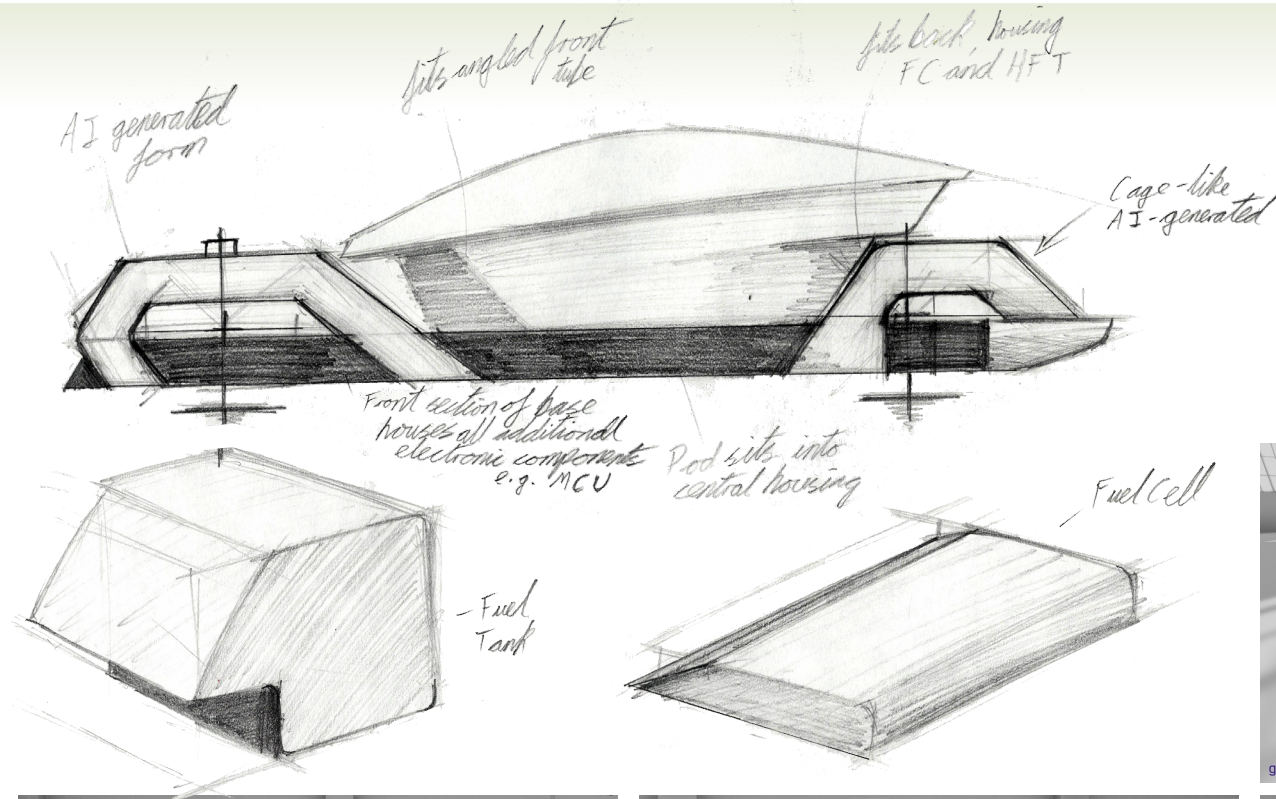
Initial Design Development: Pickup



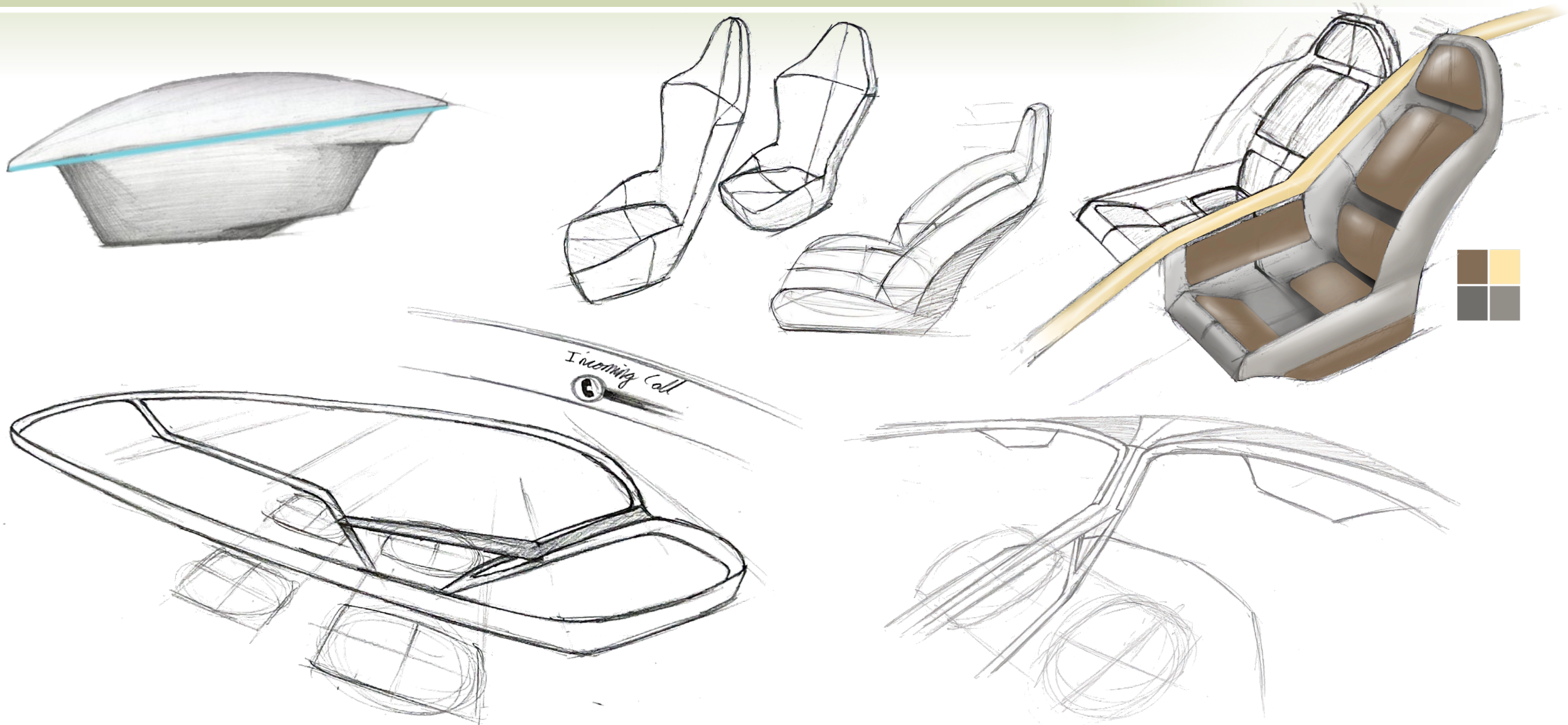
Initial Design Development: Pickup (Gravity Sketch)

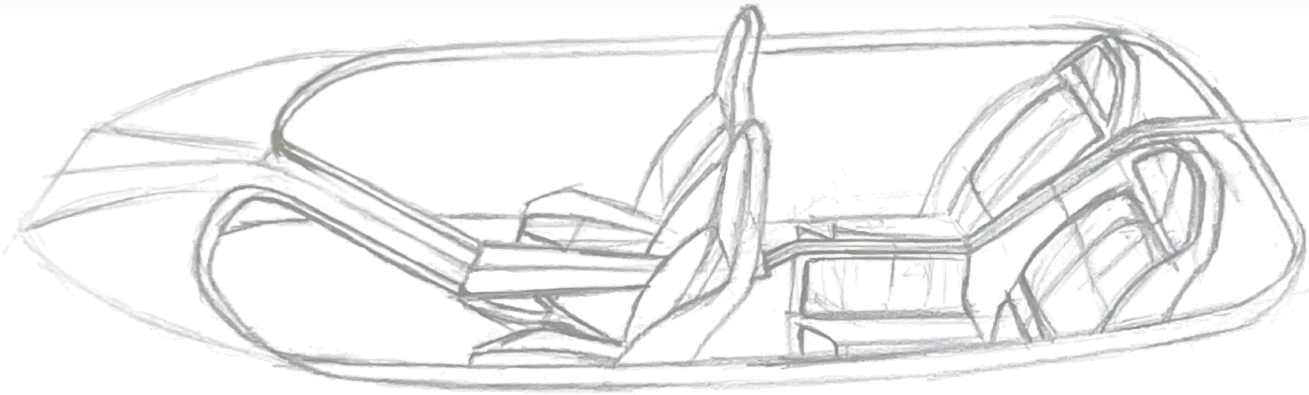


Further Chassis Development



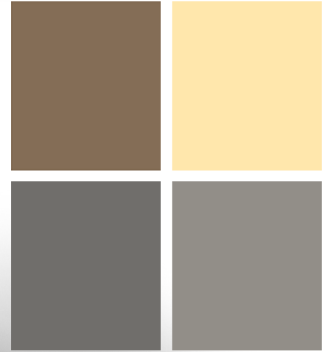
2D Design Development: Interior





Simplicity

Saddle work inspired interior colour scheme



Rugged

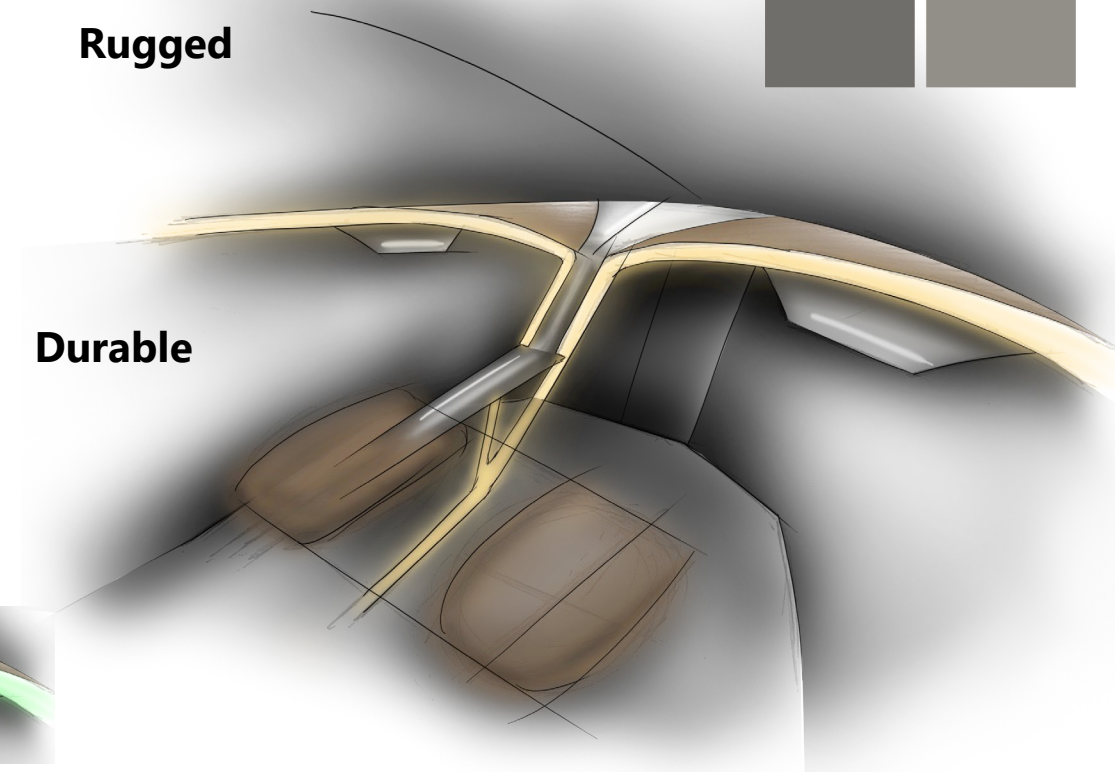
Quality



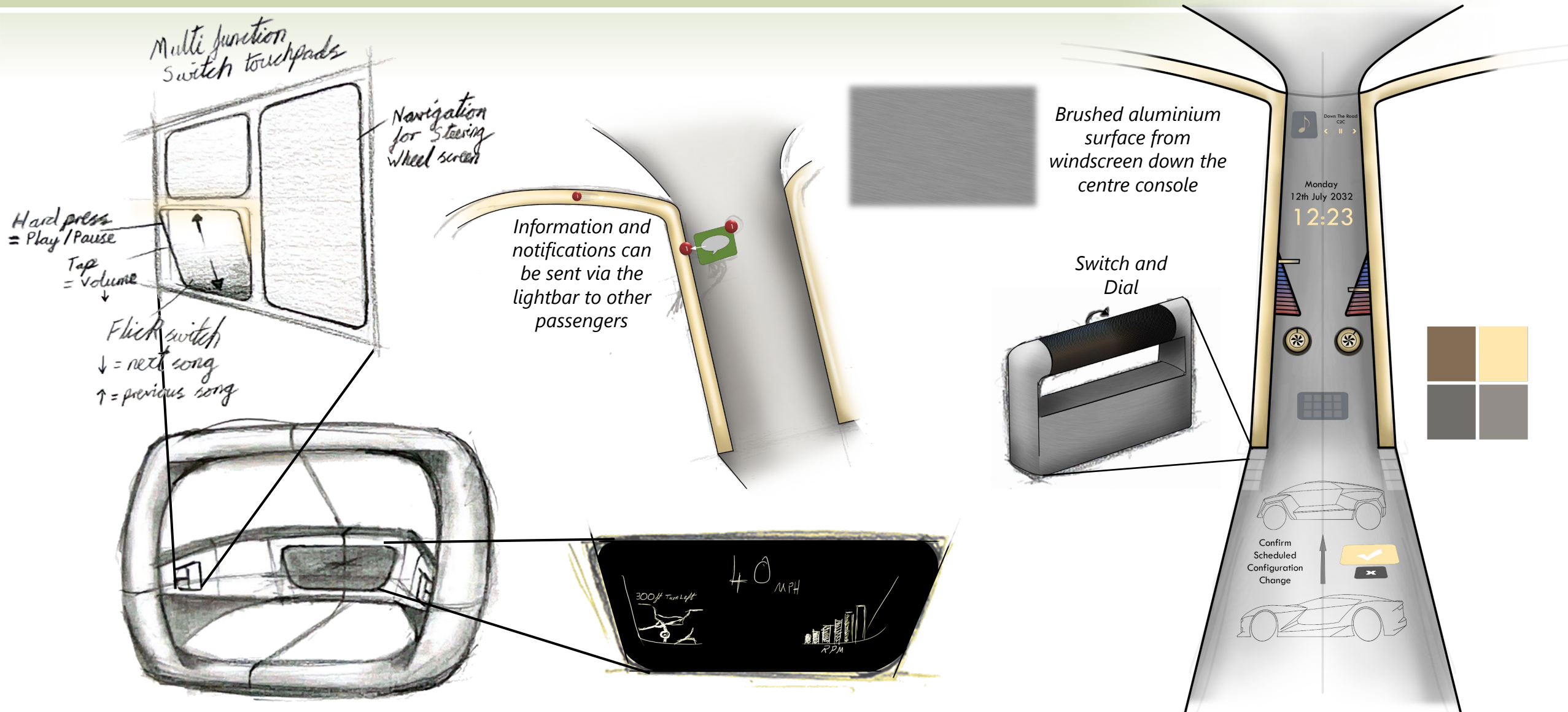
Durable

Comfort

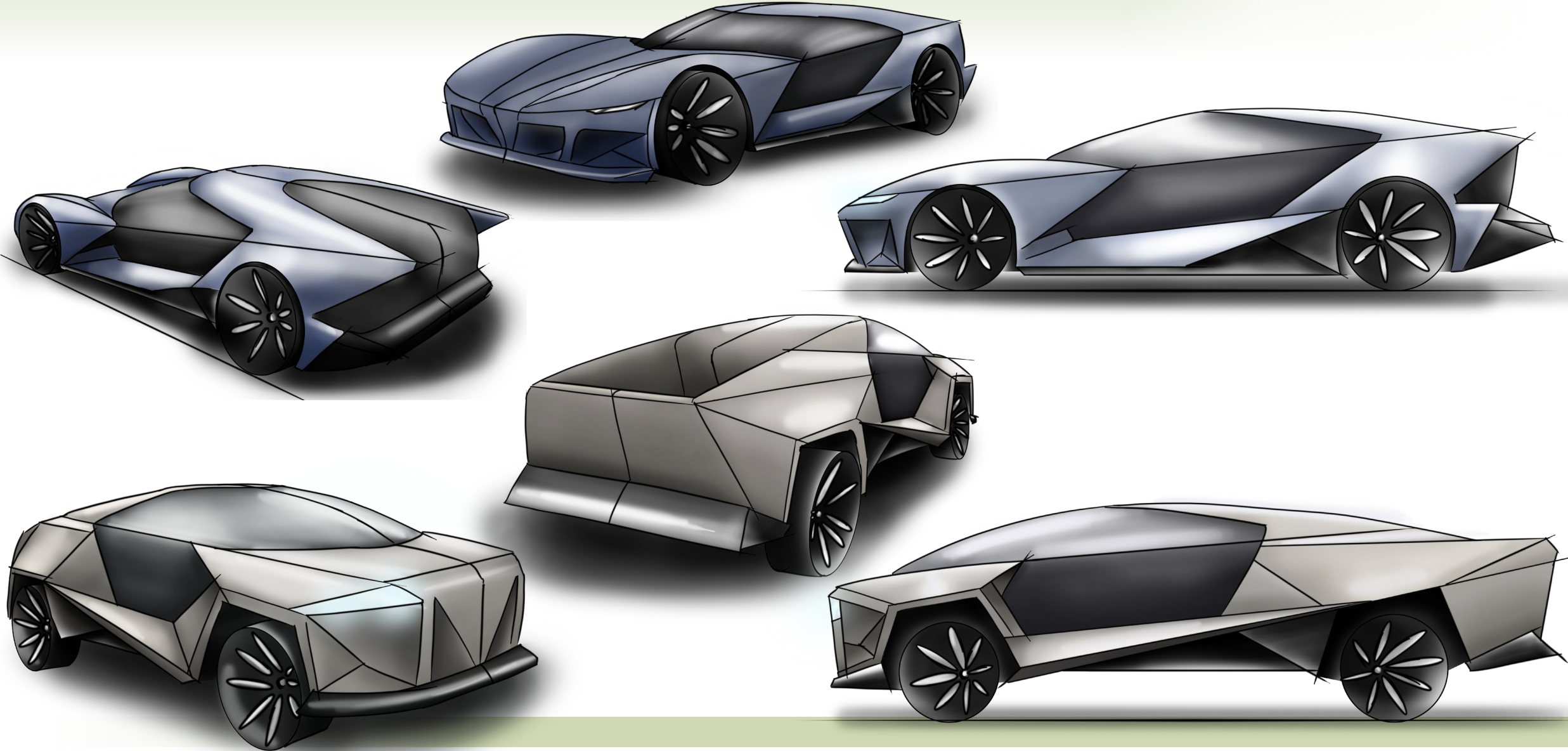
Light Ring provides information for all users



Human Machine Interfaces



Exterior Design Directions





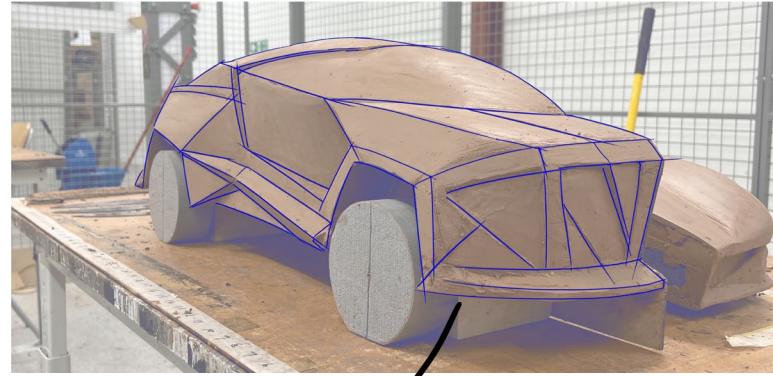
Side looking good



Unsure about surfacing

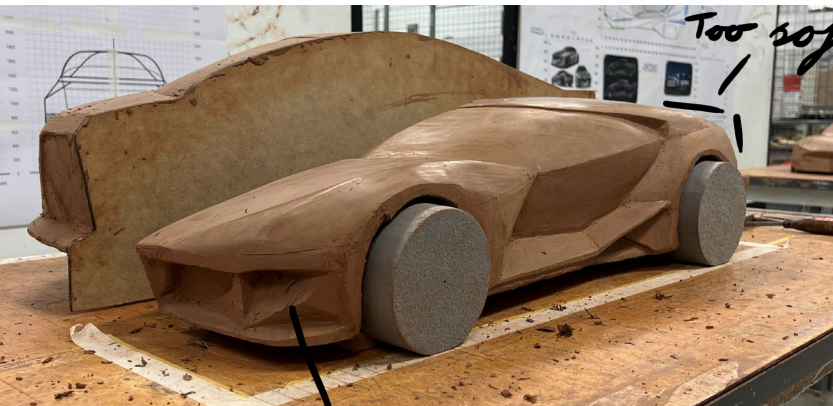
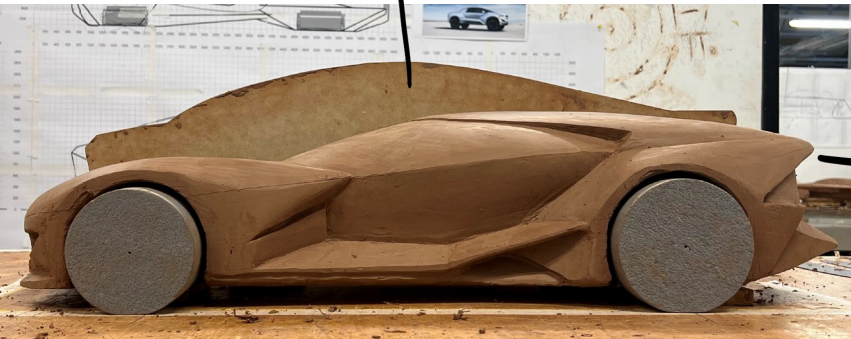
Challenging surfaces.

Remodel rear



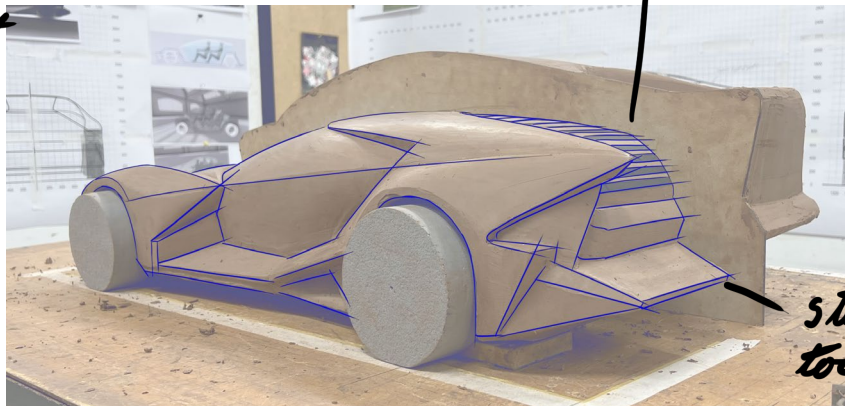
visually heavy front end

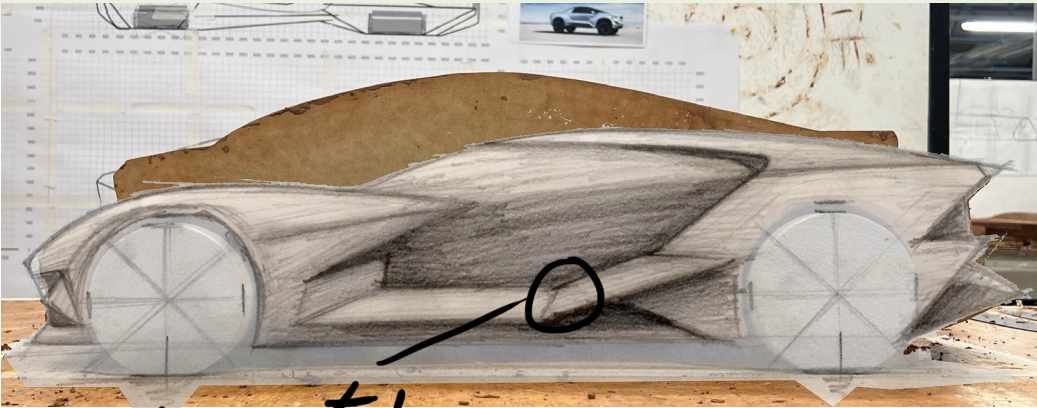
sticks out too far



Too deep!

Too soft

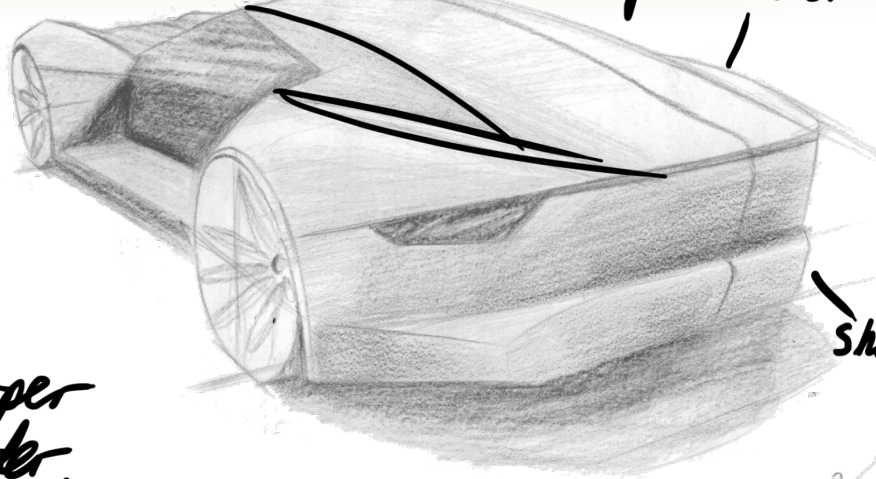




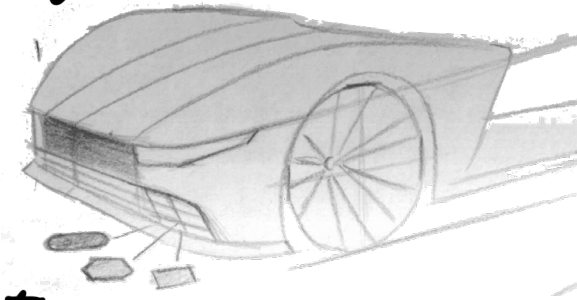
New Rear Design

light catcher

front-end ideation



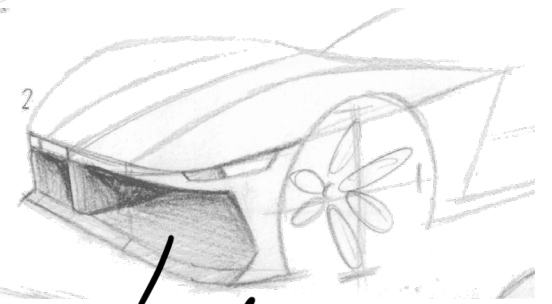
shorter



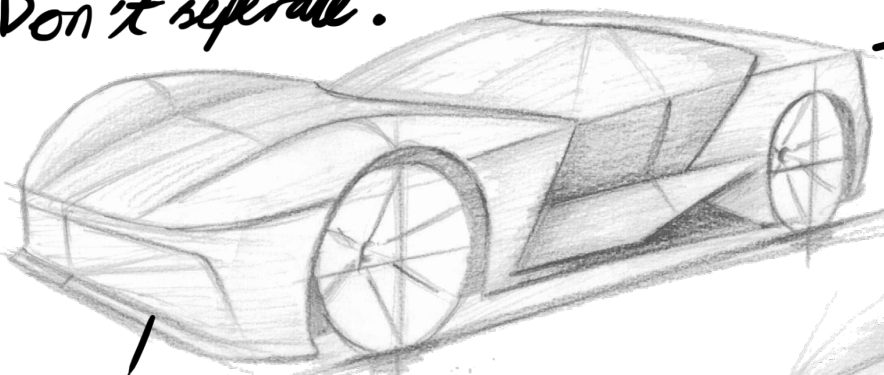
Don't separate!

— sharper shoulder like pod

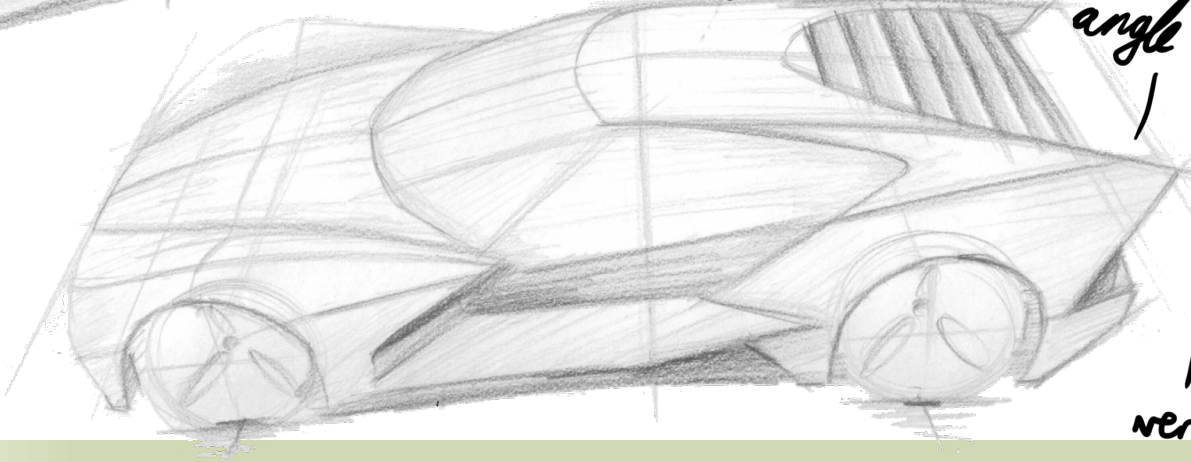
lines work at this angle



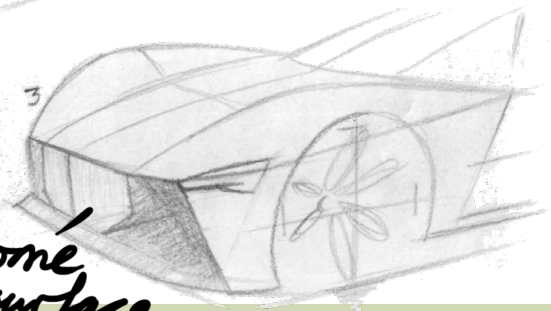
No need

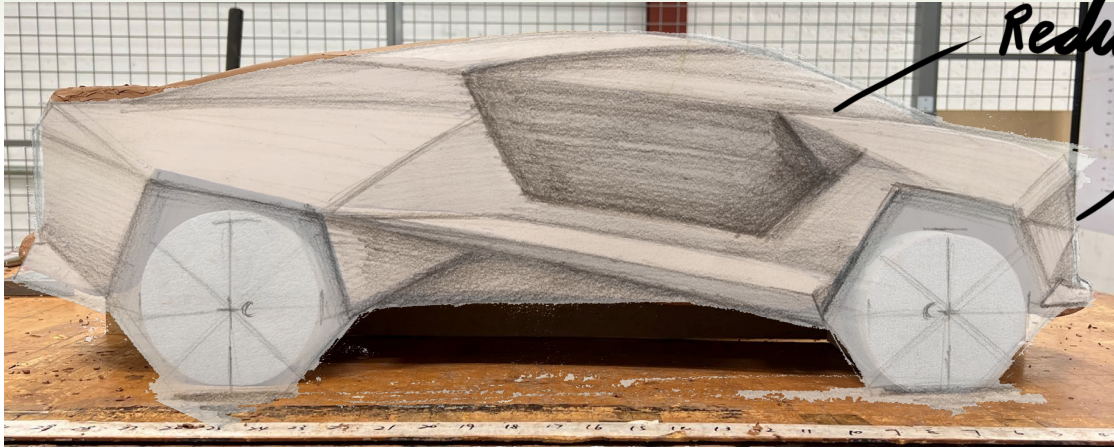


Subtle front indent works



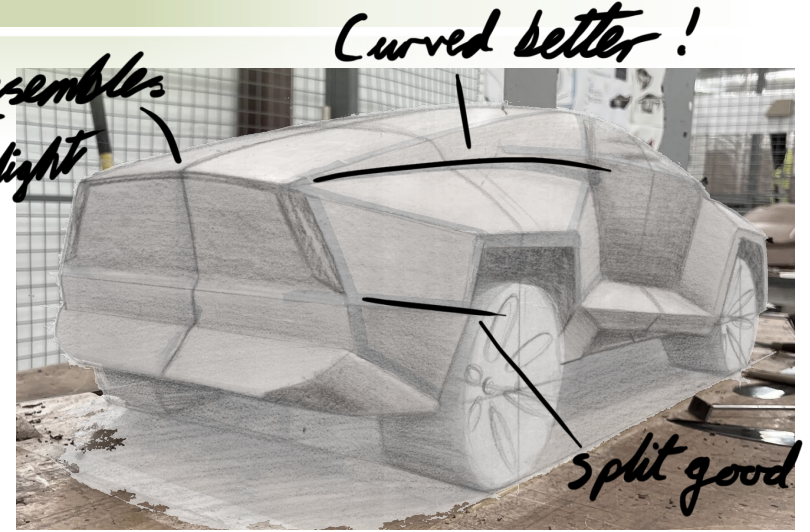
Keep some vertical surface





Reduce

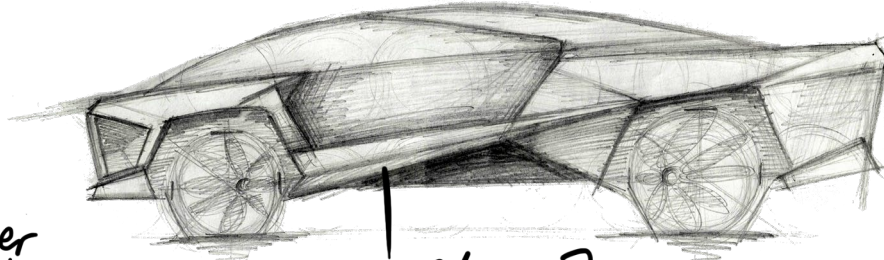
Confused



Resembles GT
Taillight

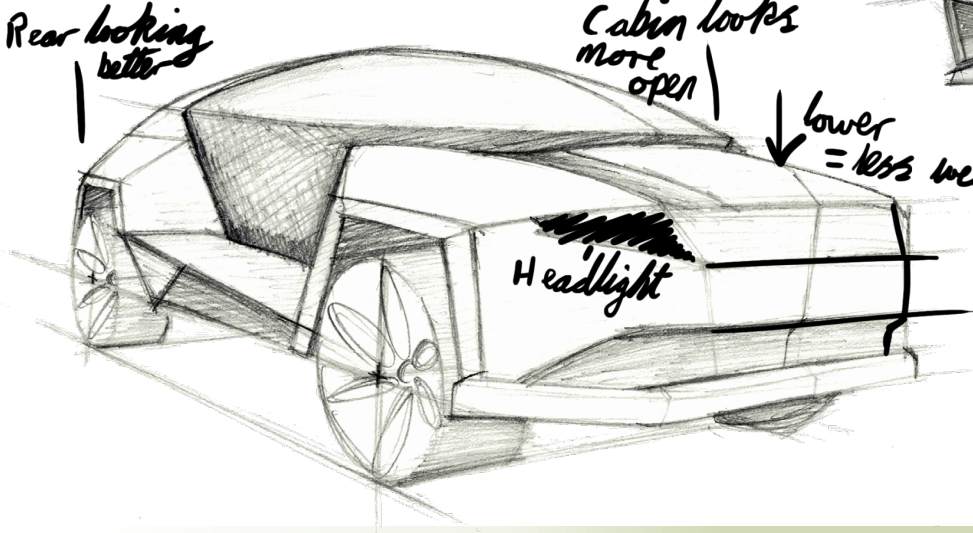
Curved better!

split good



Too Sharp?
Cut

Whole rear 1/4
too sharp!
And too long

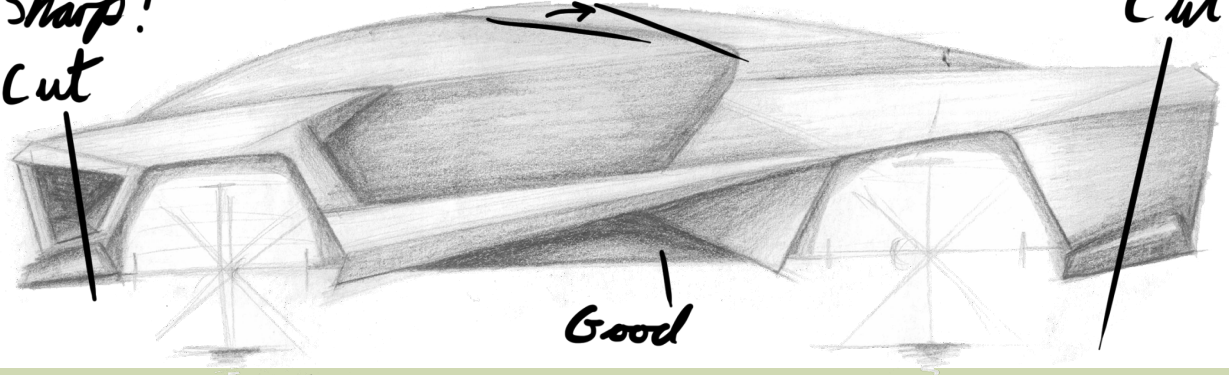


Rear looking better

Cabin looks more open

lower = less weight

Headlight



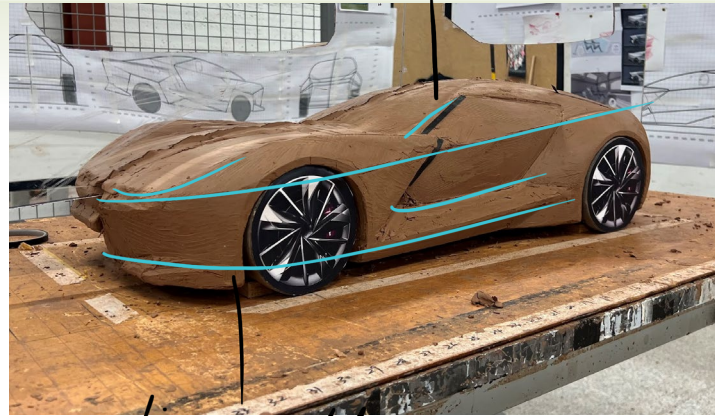
Good

Cut

3D Design Development

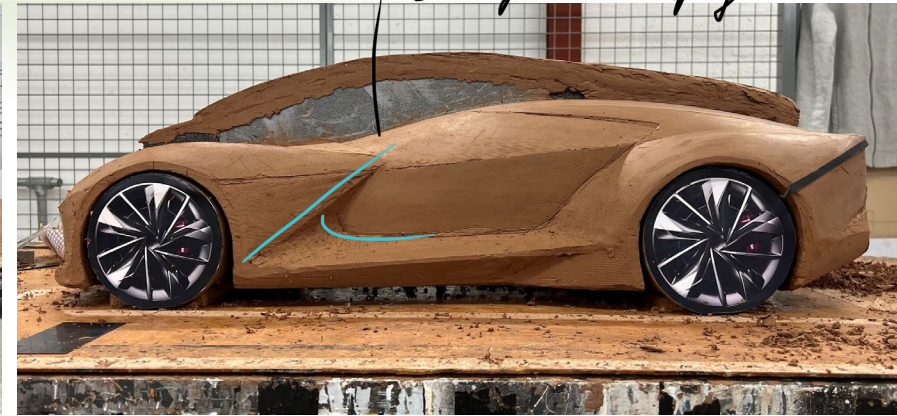


Add A-pillar "Bulge"



line correlation

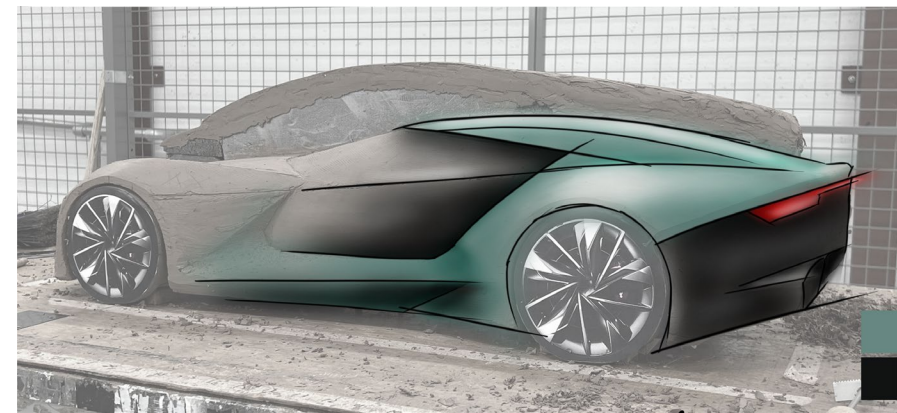
Radius surfaces to help flow



Curved same as rear arch



cut in to reduce surface volume

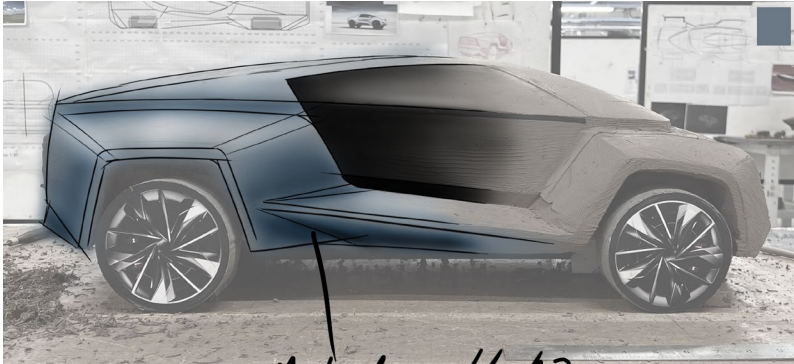


Showing 2-Tone idea

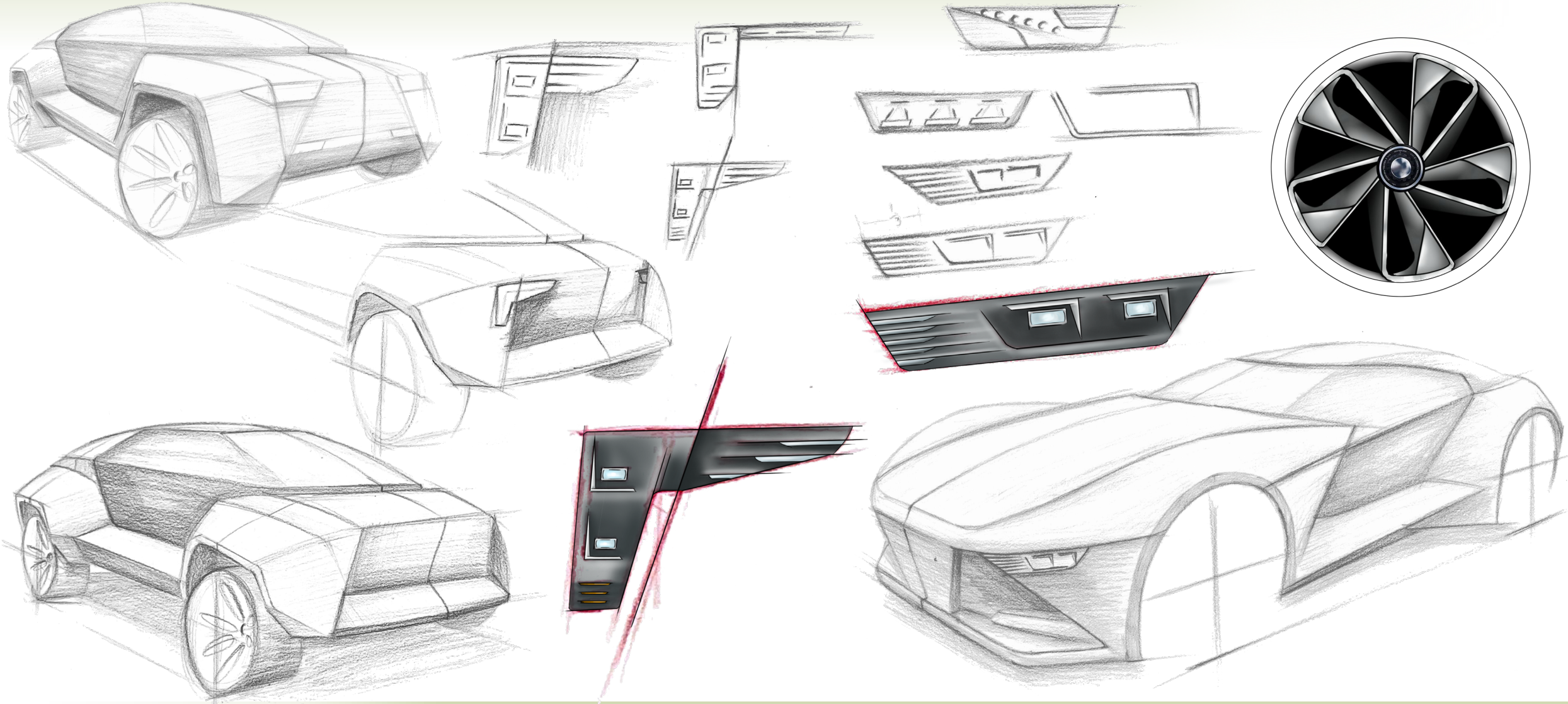
Radius arch corners



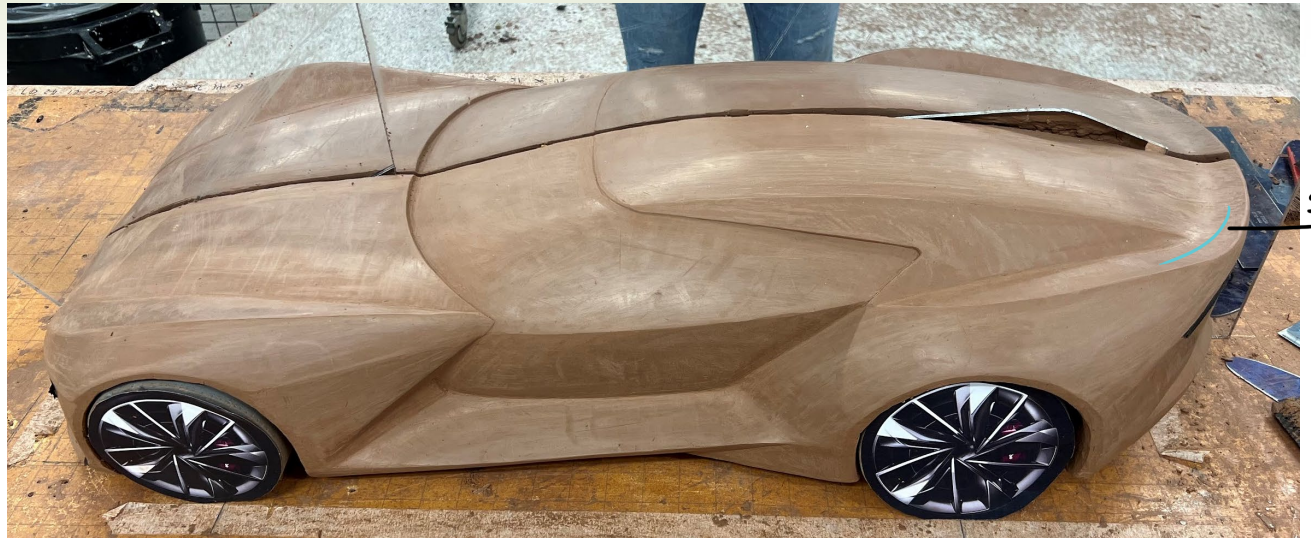
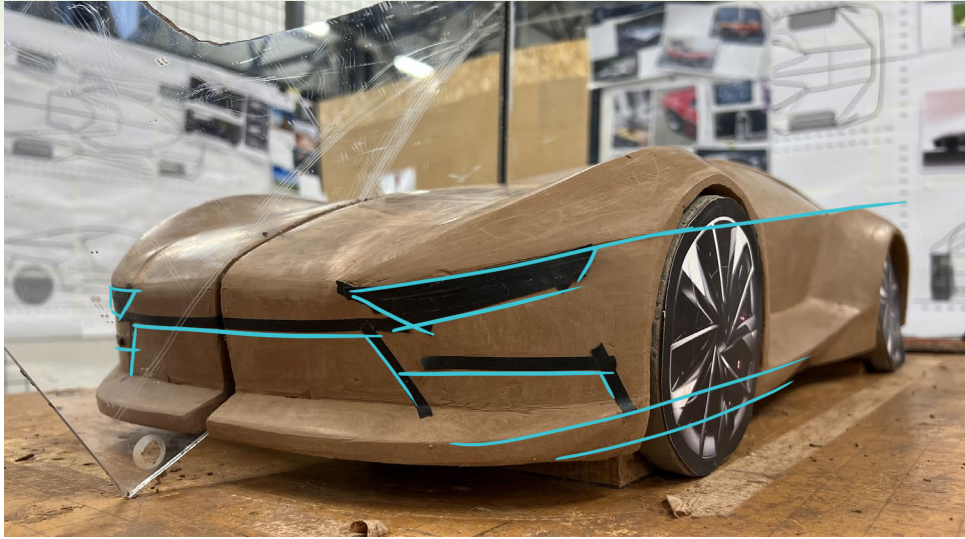
Make lower black?



3D Design Development; Detail Development



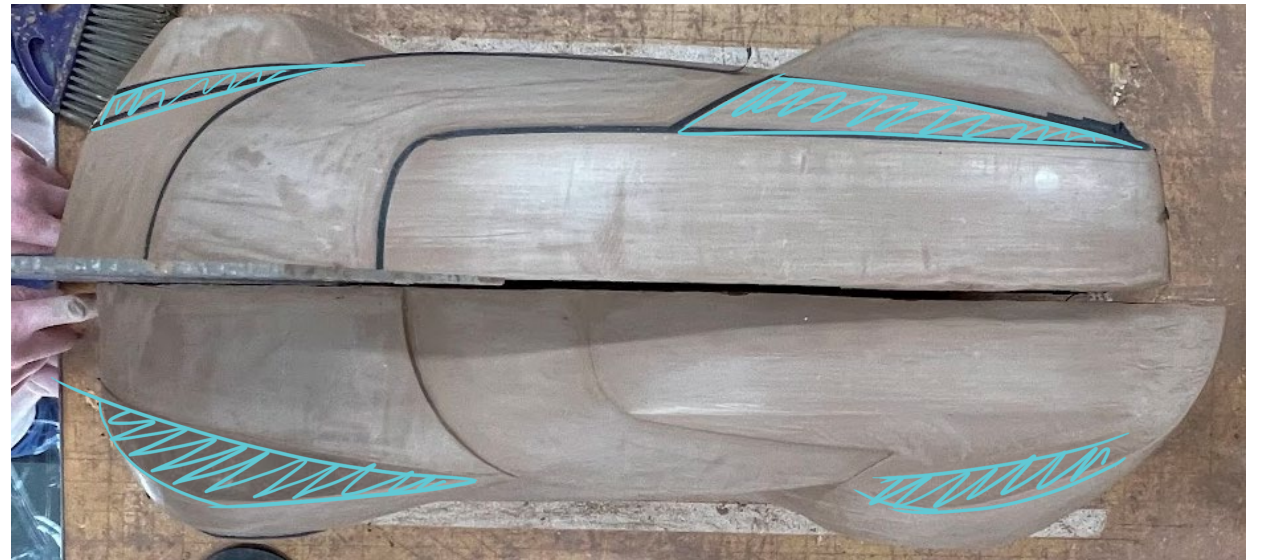
3D Design Development



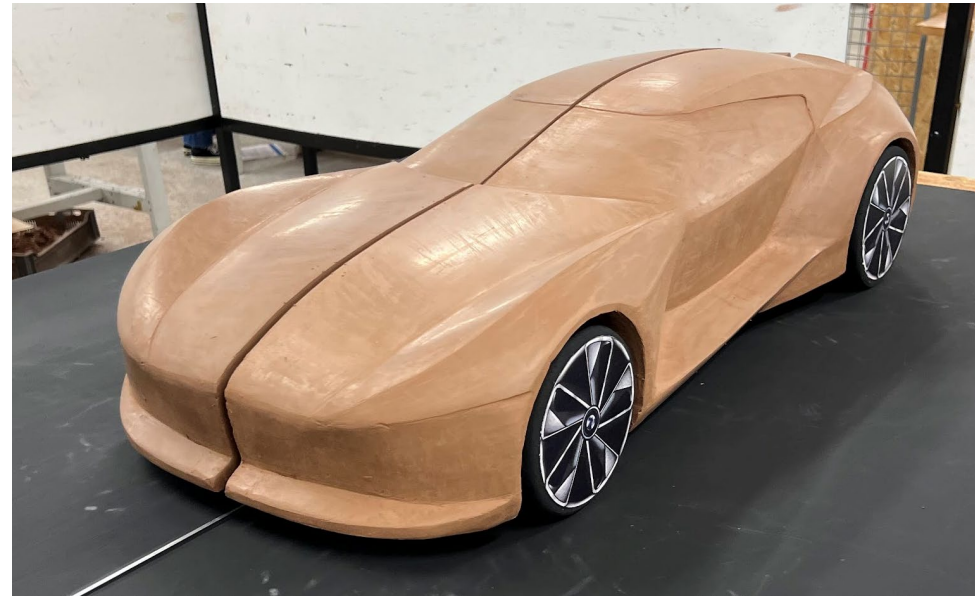
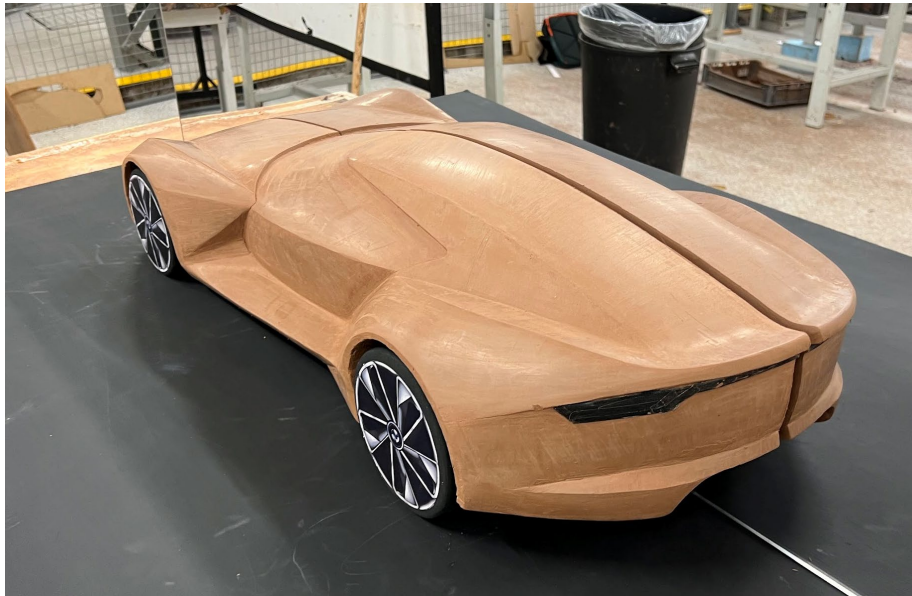
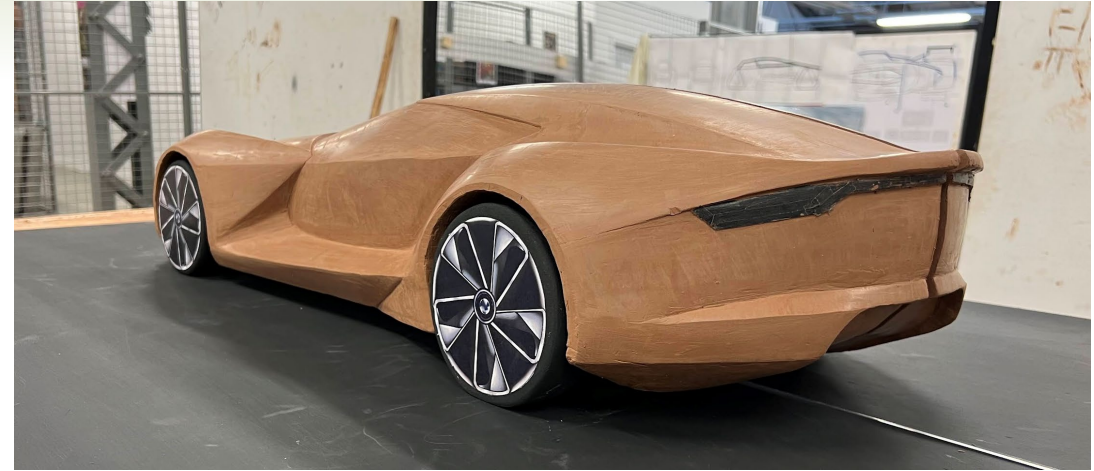
Satisfying curve

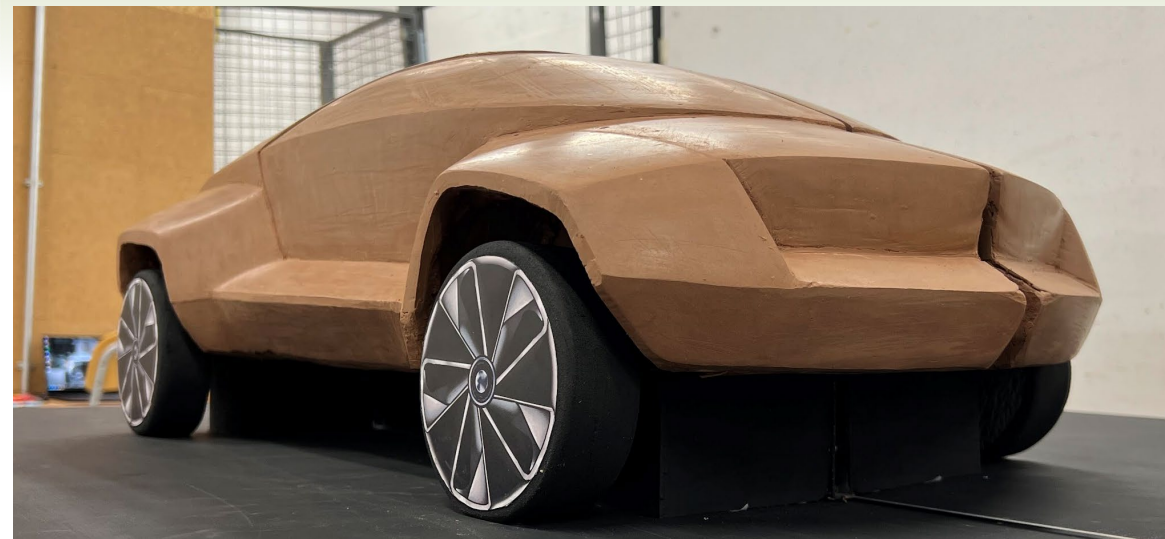


line fade *Light catch*



Similar Language



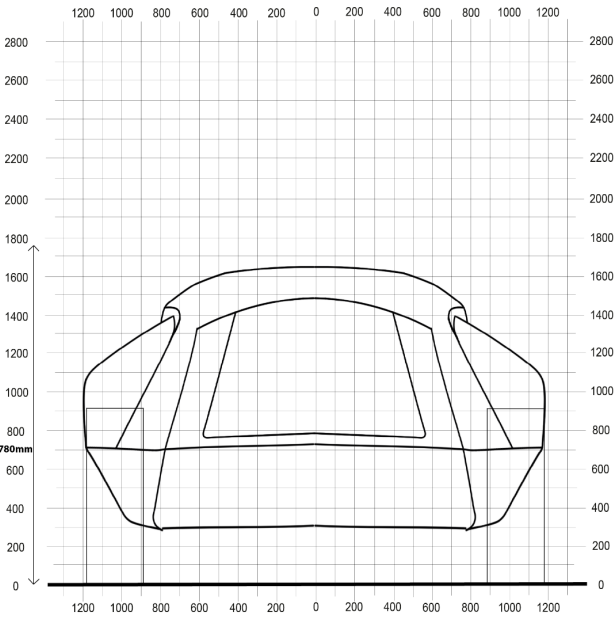
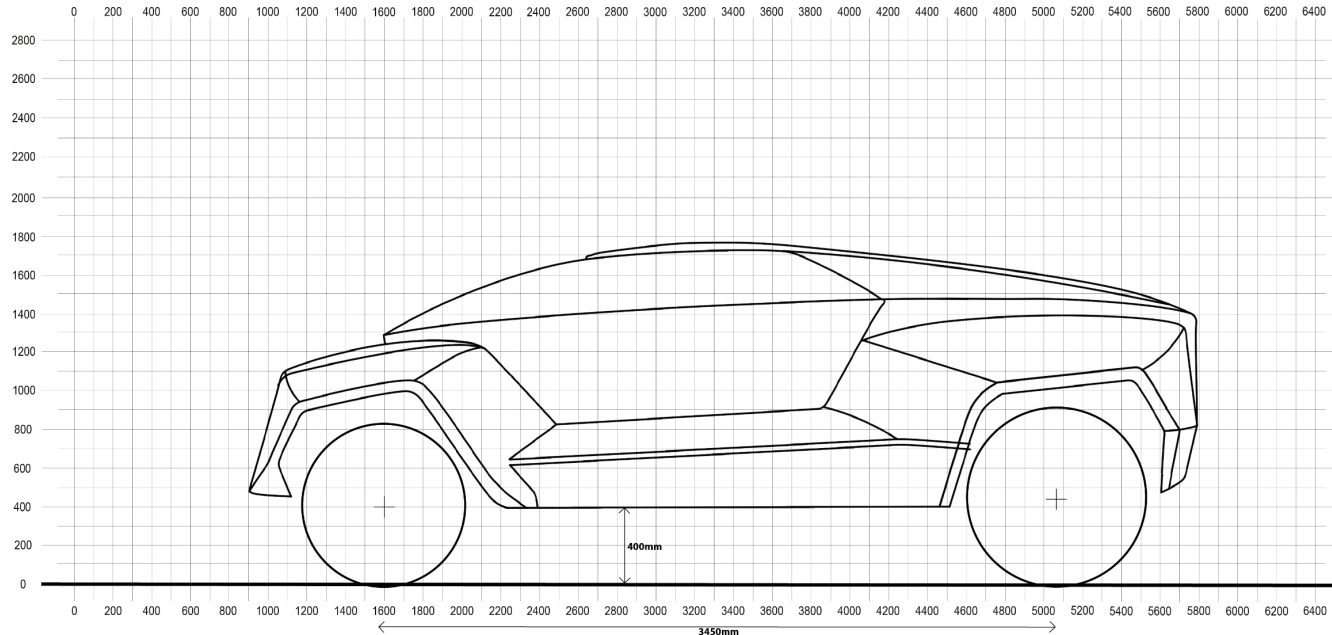
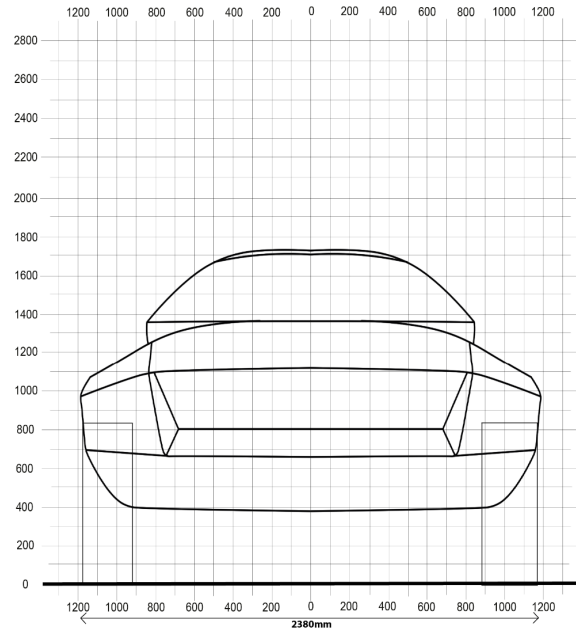
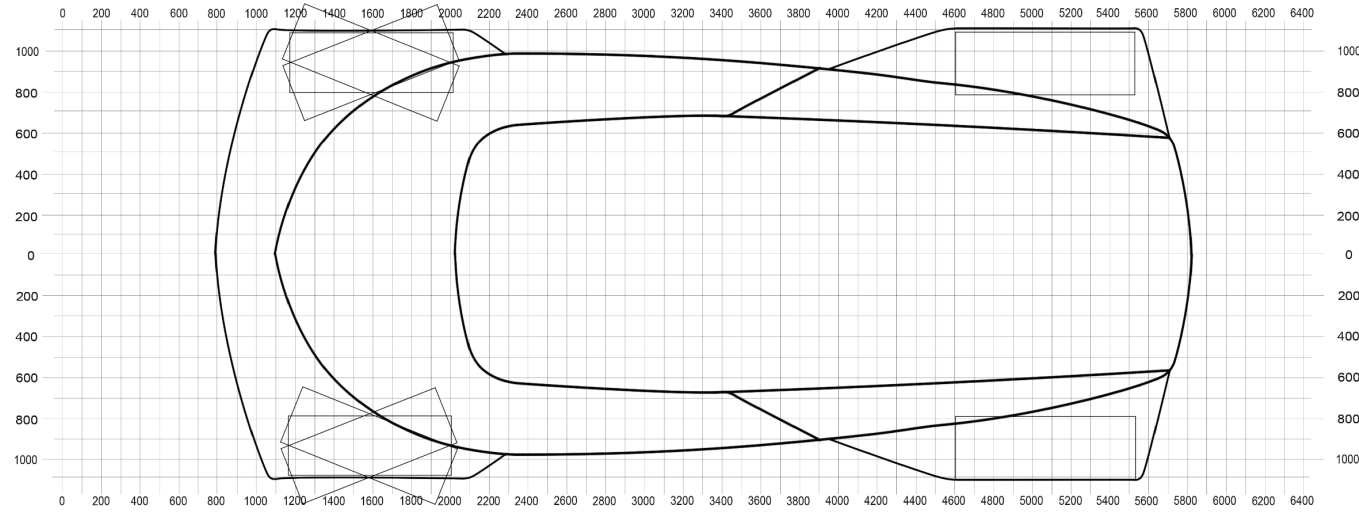


Final Package: Pickup Dimensions



KEY

- Hub Integrated Motors
- Battery
- Suspension
- Fuel Cell
- Hydrogen Tank
- Steering Wheel
- Vision Angle

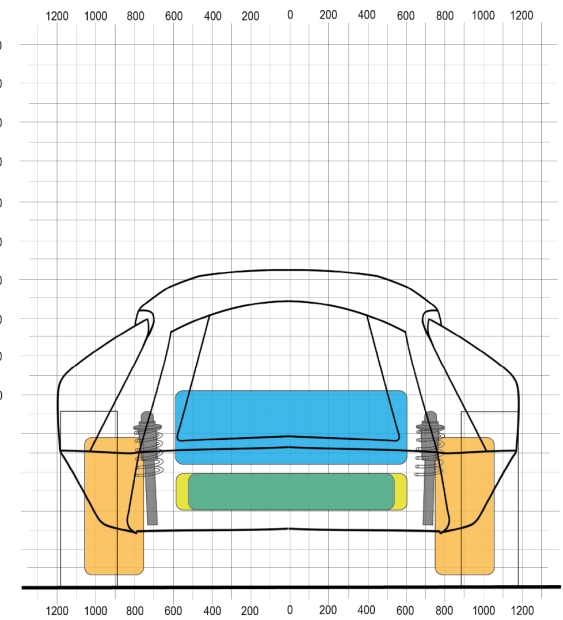
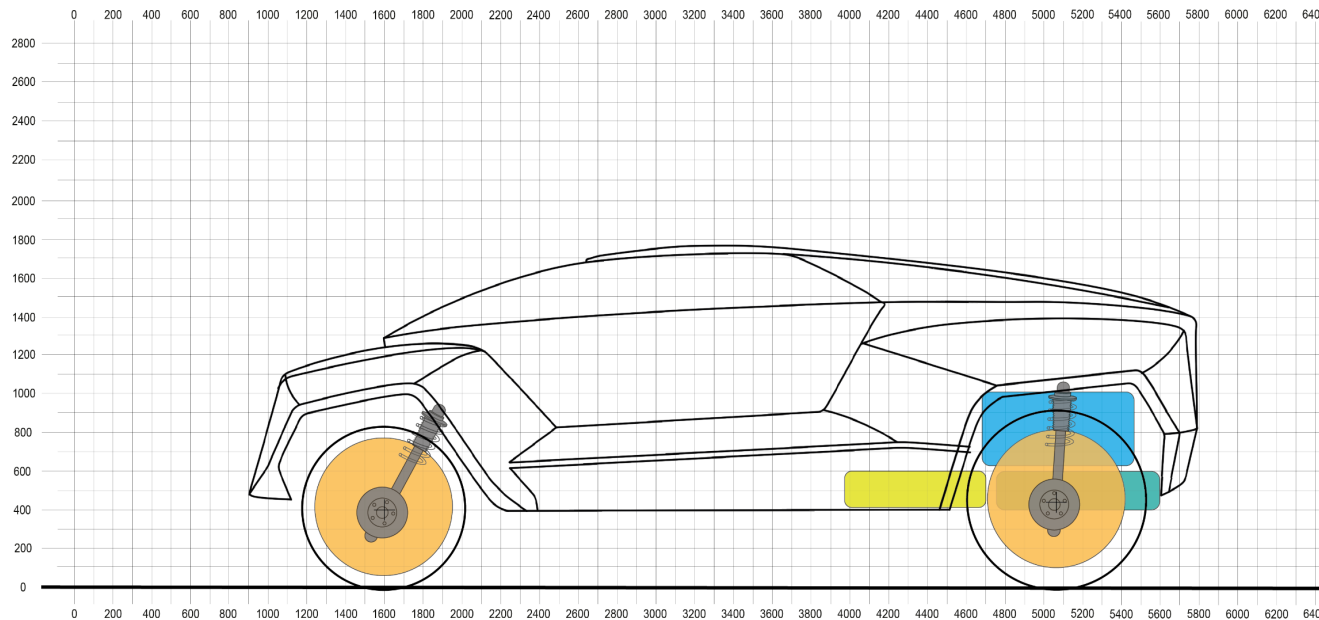
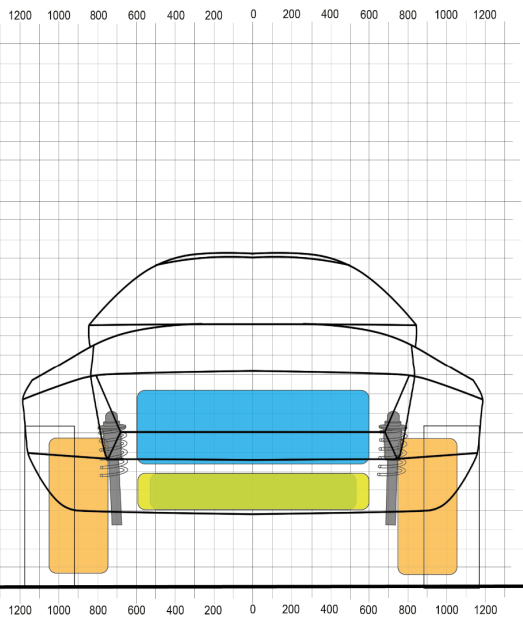
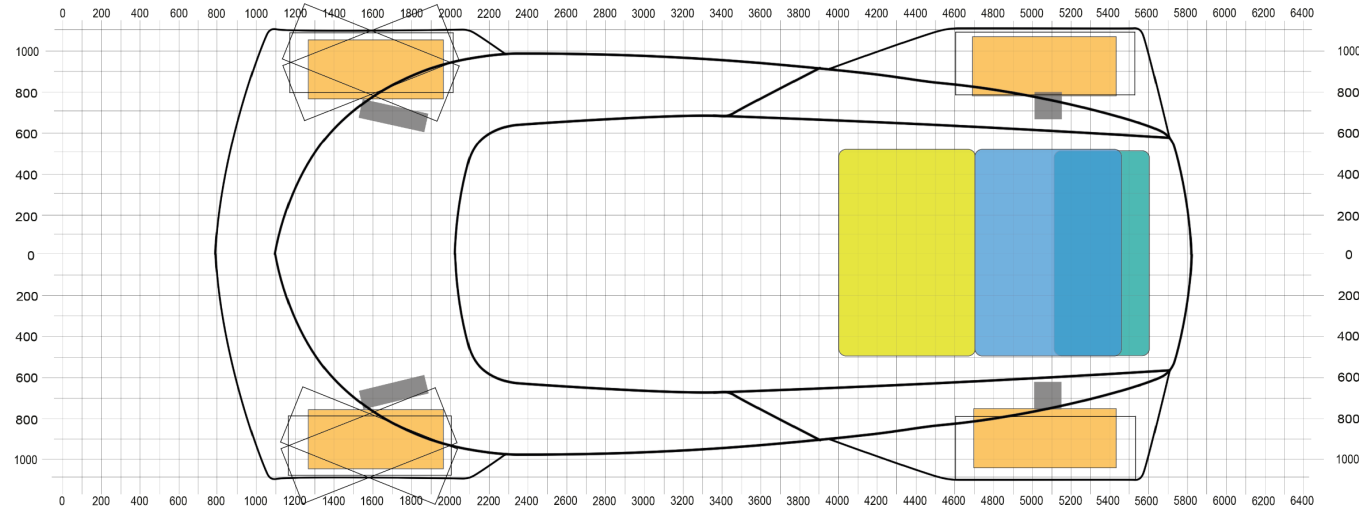


scale 1:10

Final Package: Pickup Powertrain



- KEY**
- Hub Integrated Motors
 - Battery
 - Suspension
 - Fuel Cell
 - Hydrogen Tank
 - Steering Wheel
 - Vision Angle

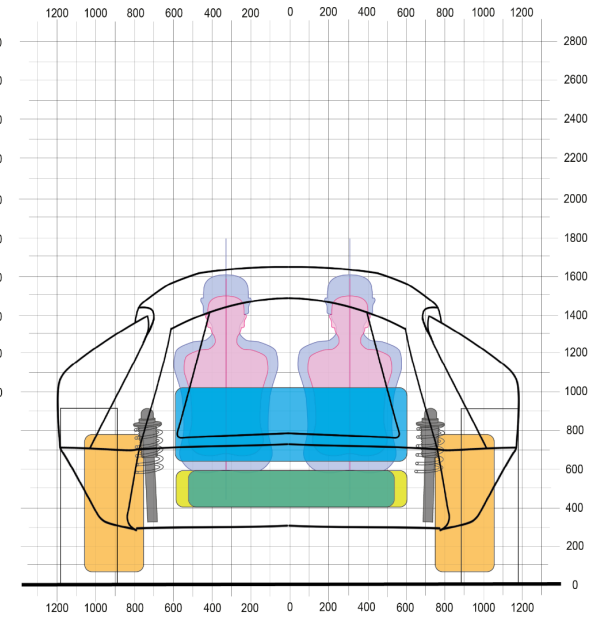
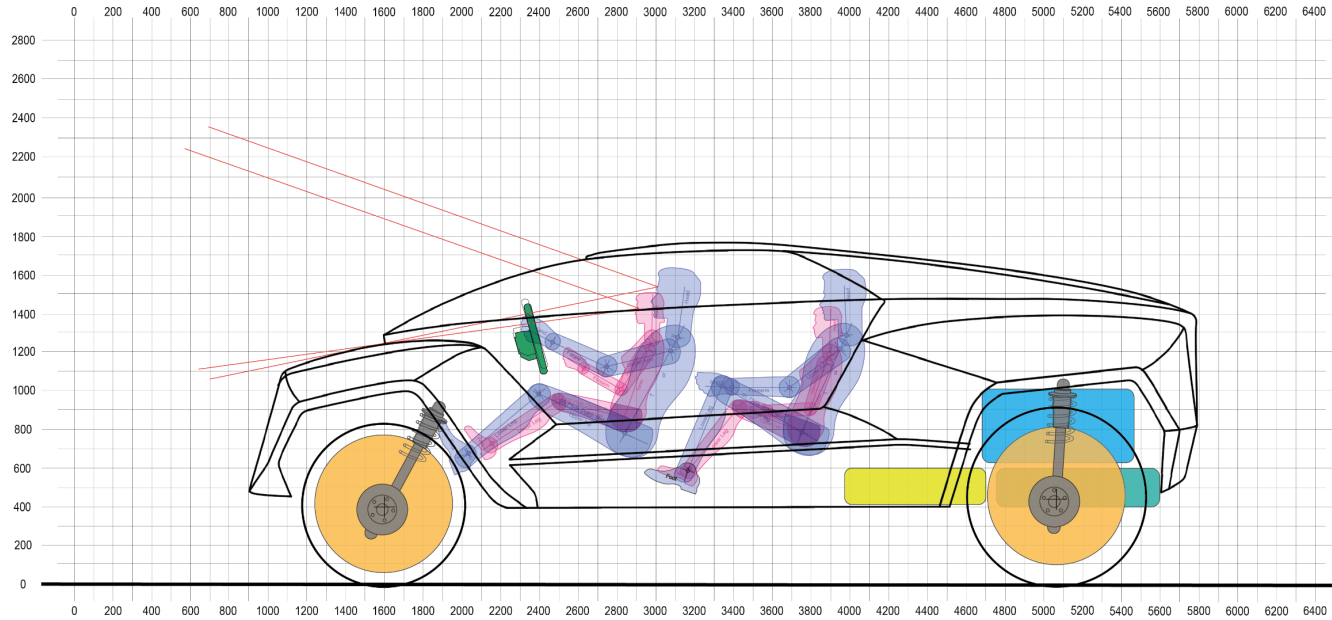
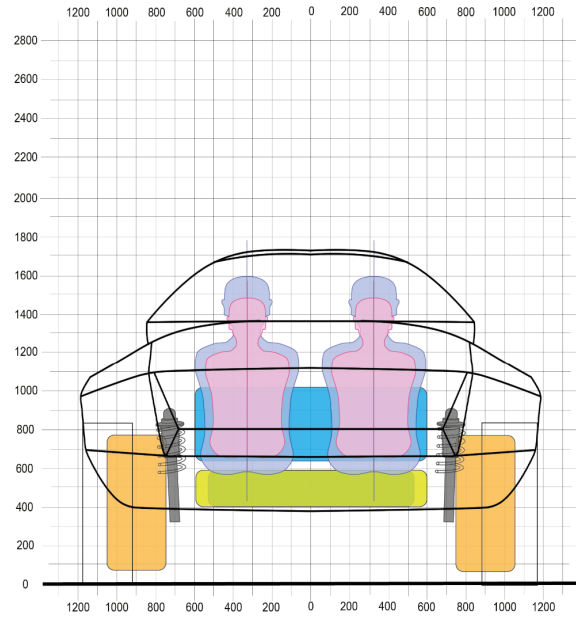
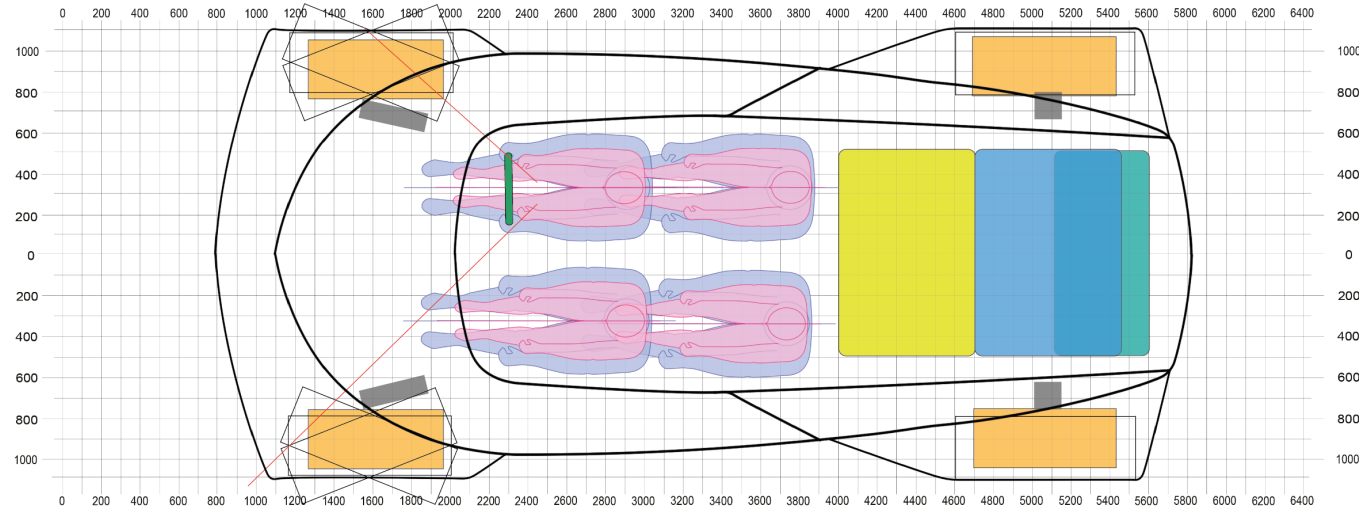


scale 1:10

Final Package: Pickup Mannikin Package



- KEY**
- Hub Integrated Motors
 - Battery
 - Suspension
 - Fuel Cell
 - Hydrogen Tank
 - Steering Wheel
 - Vision Angle



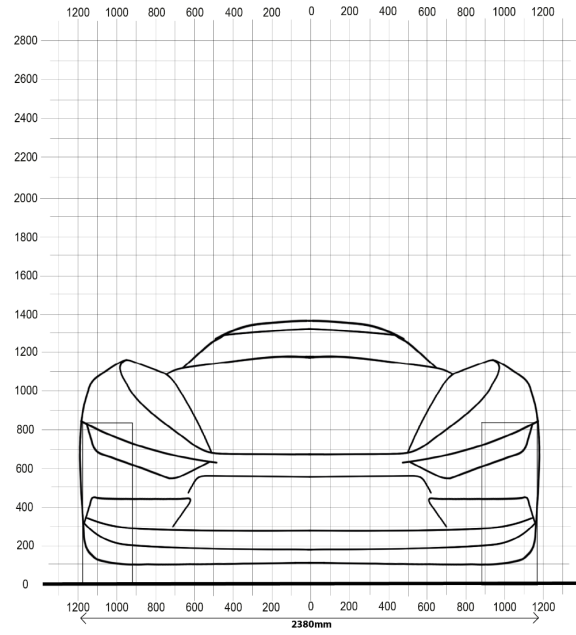
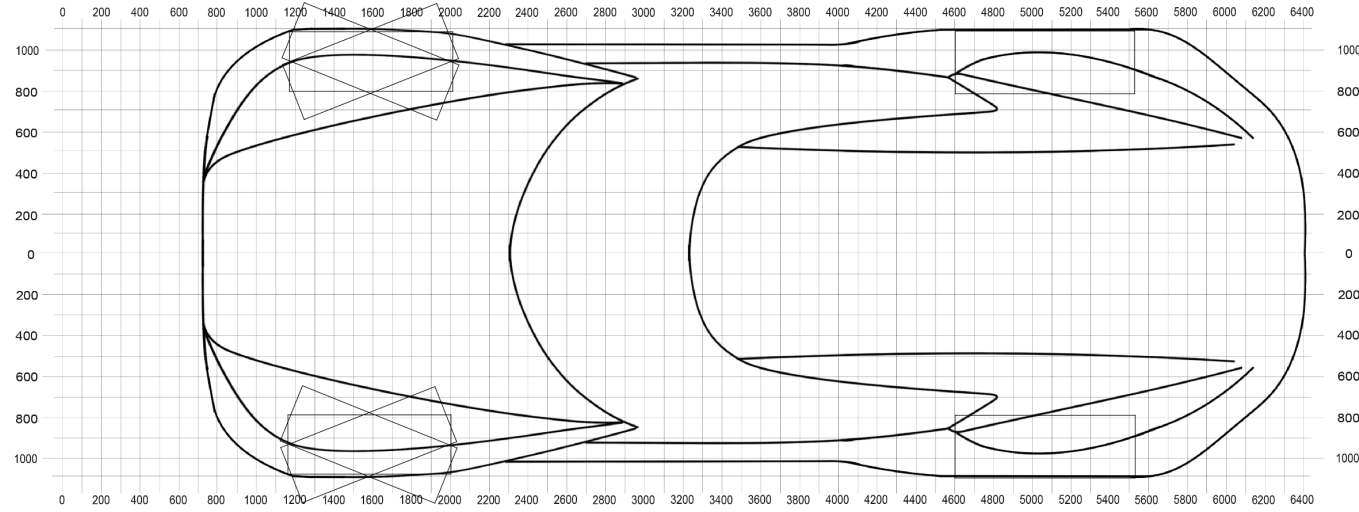
scale 1:10

Final Package: GT Dimensions

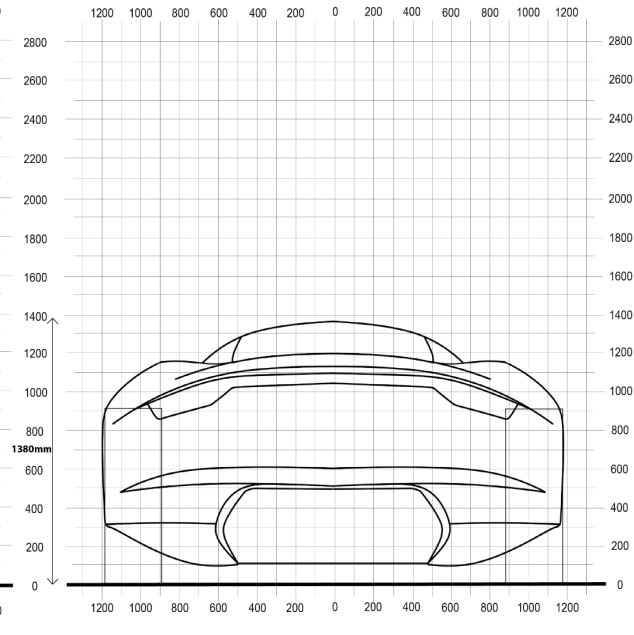
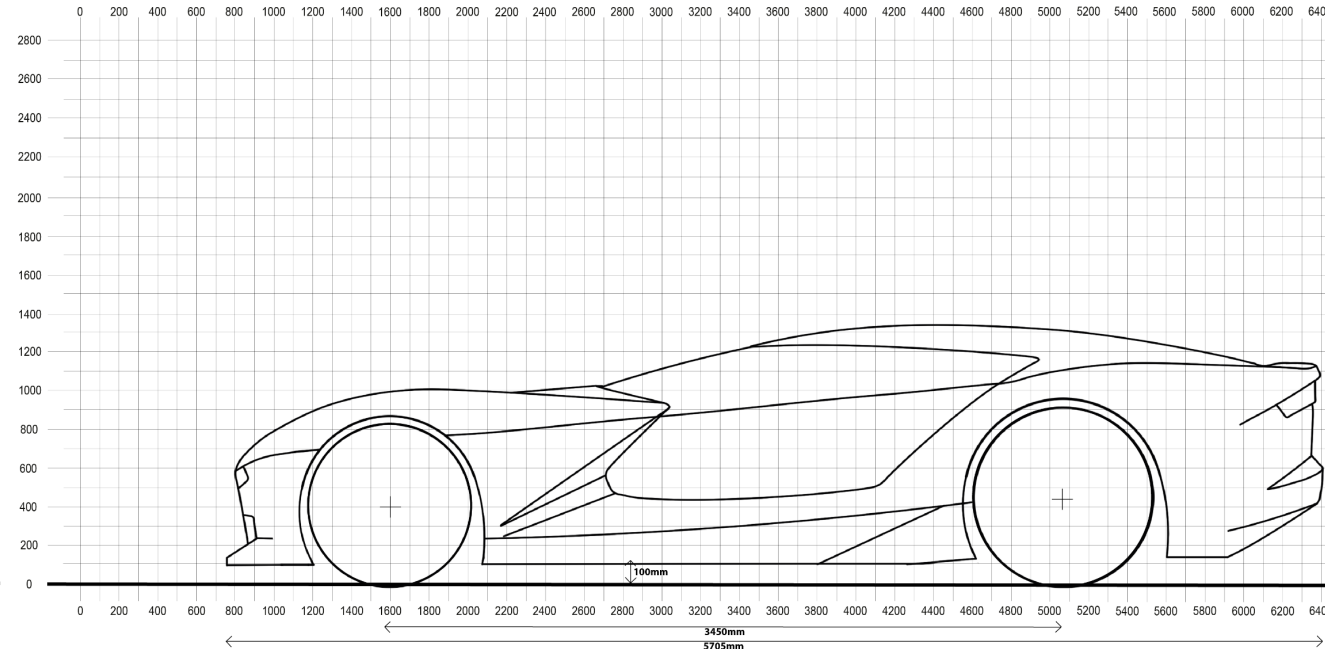


KEY

- Hub Integrated Motors
- Battery
- Suspension
- Fuel Cell
- Hydrogen Tank
- Steering Wheel
- Vision Angle



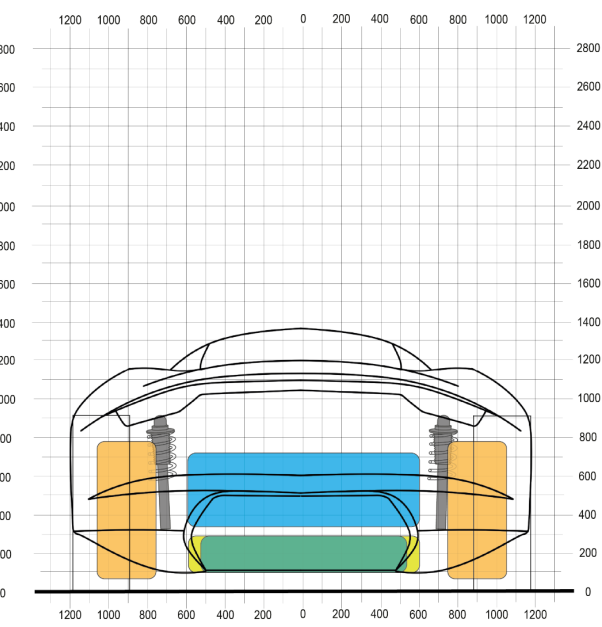
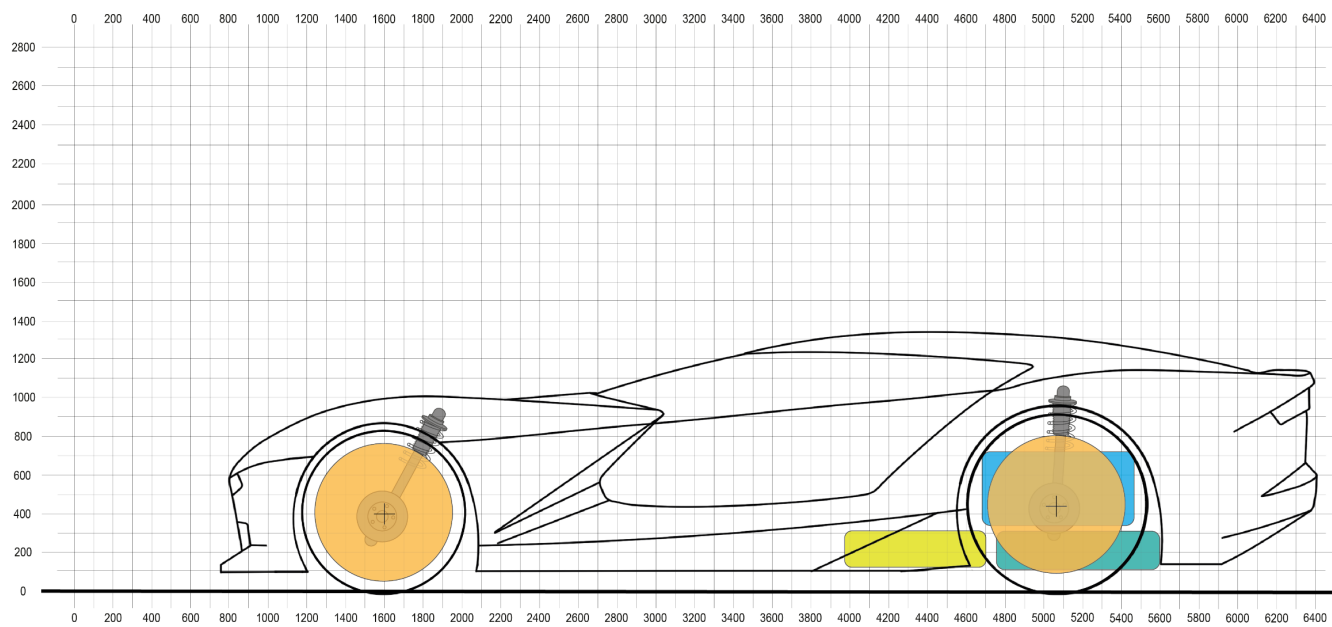
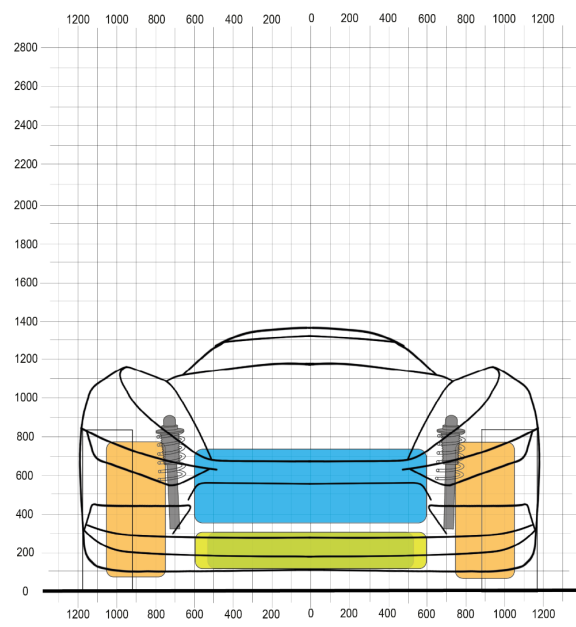
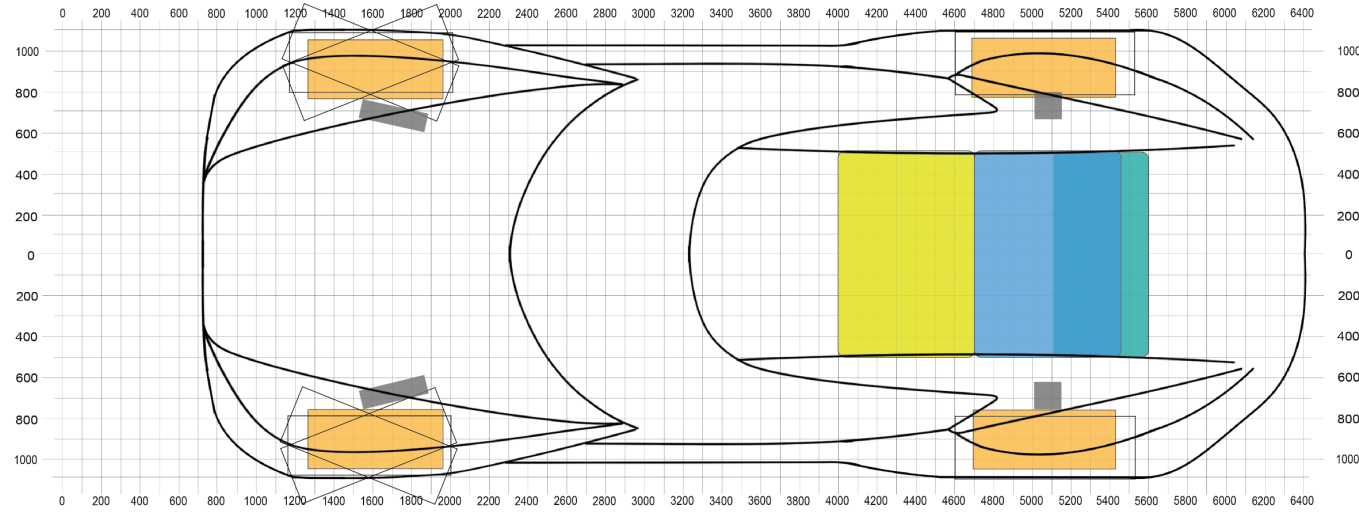
scale 1:10



Final Package: GT Powertrain



- KEY**
- Hub Integrated Motors
 - Battery
 - Suspension
 - Fuel Cell
 - Hydrogen Tank
 - Steering Wheel
 - Vision Angle

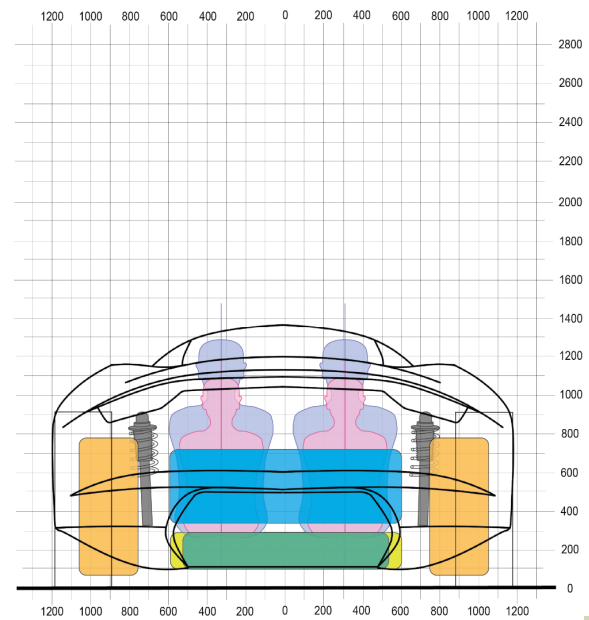
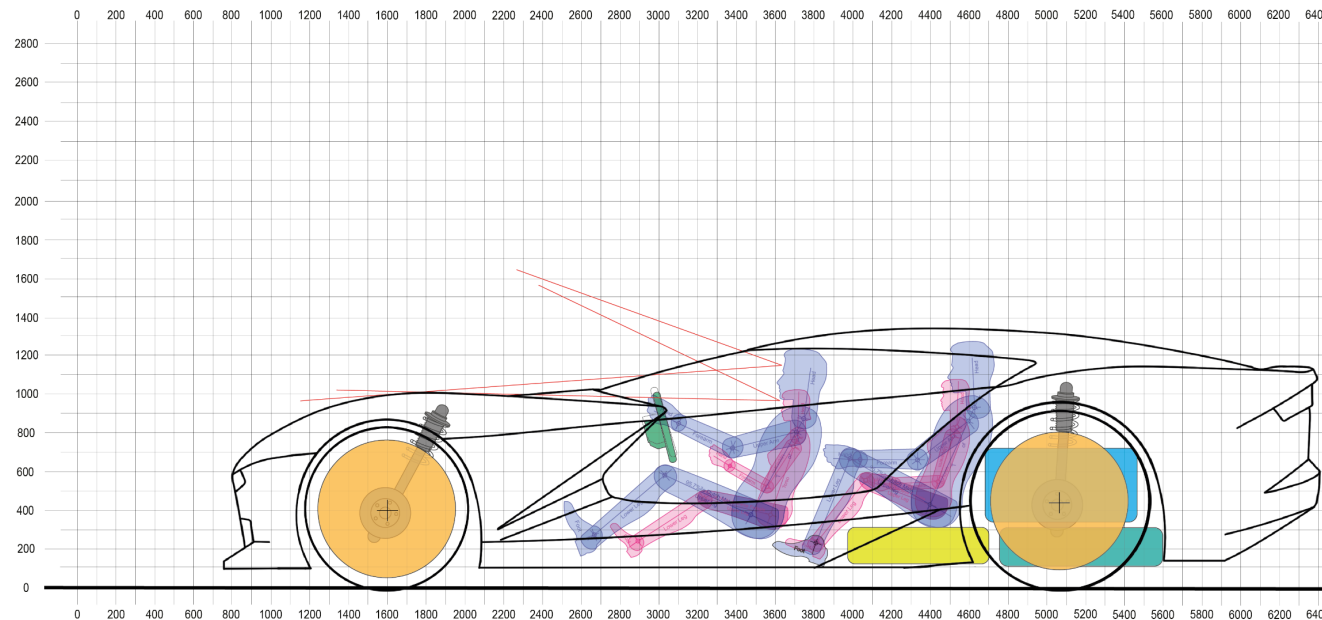
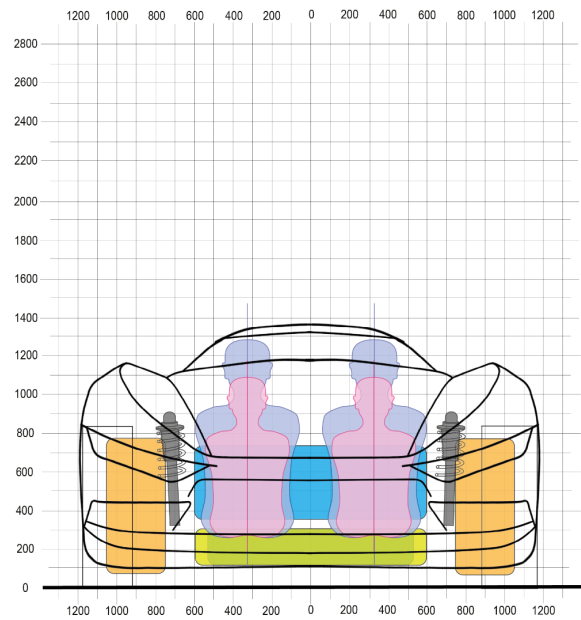
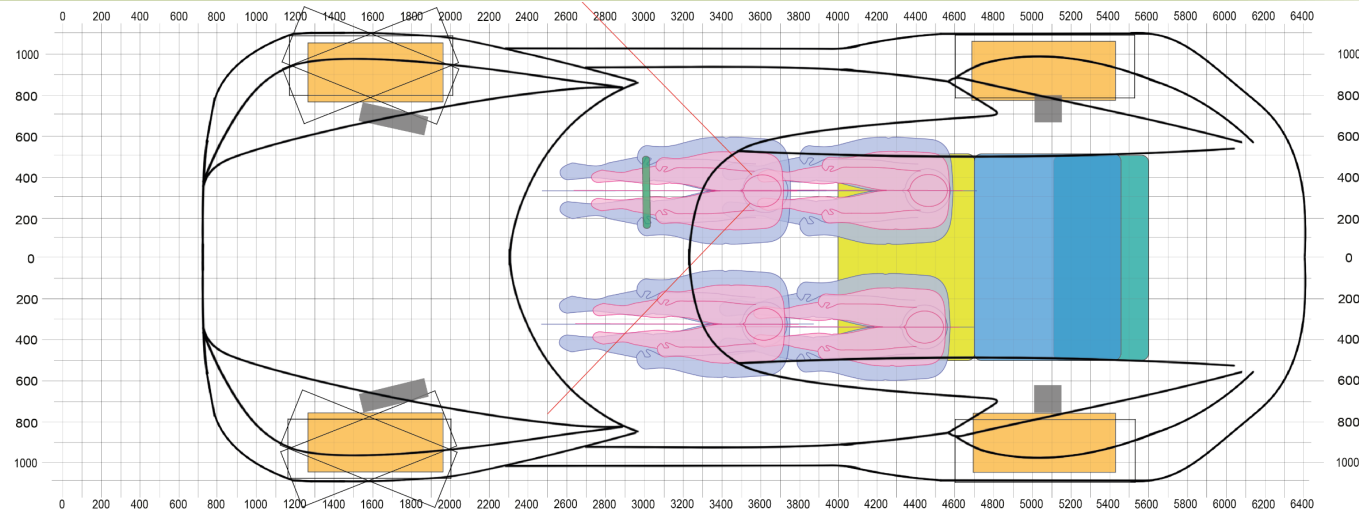


scale 1:10

Final Package: GT Mannikin Package



- KEY**
- Hub Integrated Motors
 - Battery
 - Suspension
 - Fuel Cell
 - Hydrogen Tank
 - Steering Wheel
 - Vision Angle



scale 1:10



Colour Material Finishes

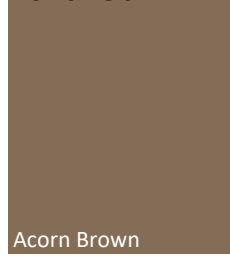
Main Colour Scheme

#668680



Huntsman Green

#846D56



Acorn Brown

#6A7884



Smooth Stone Blue



Interior Materials

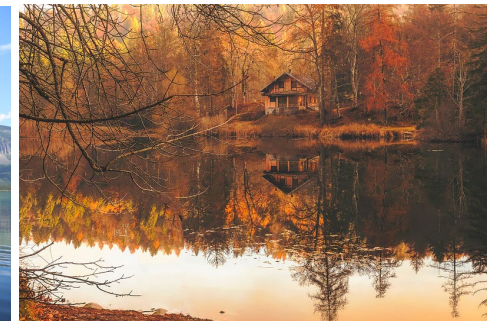
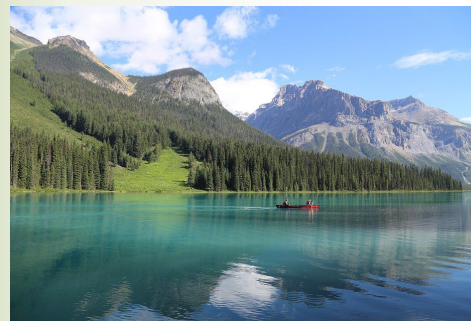


Pinatex Leather



Recycled Aluminium

Surface & Form Inspiration



Chassis Composition

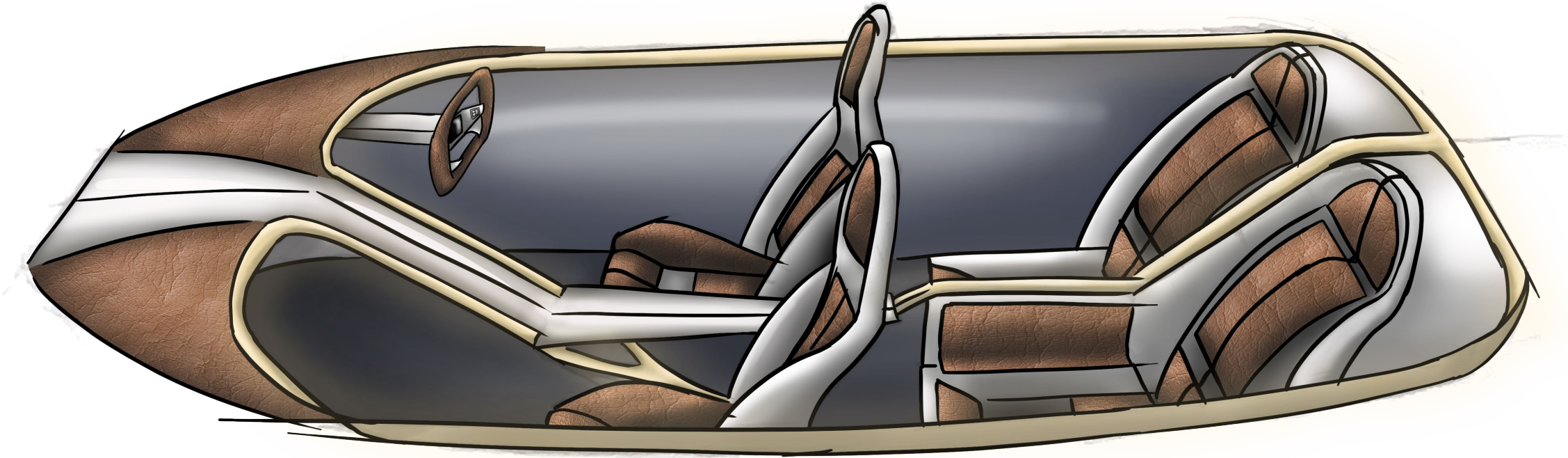
SLM 3D Printed using...

Recycled Titanium
and

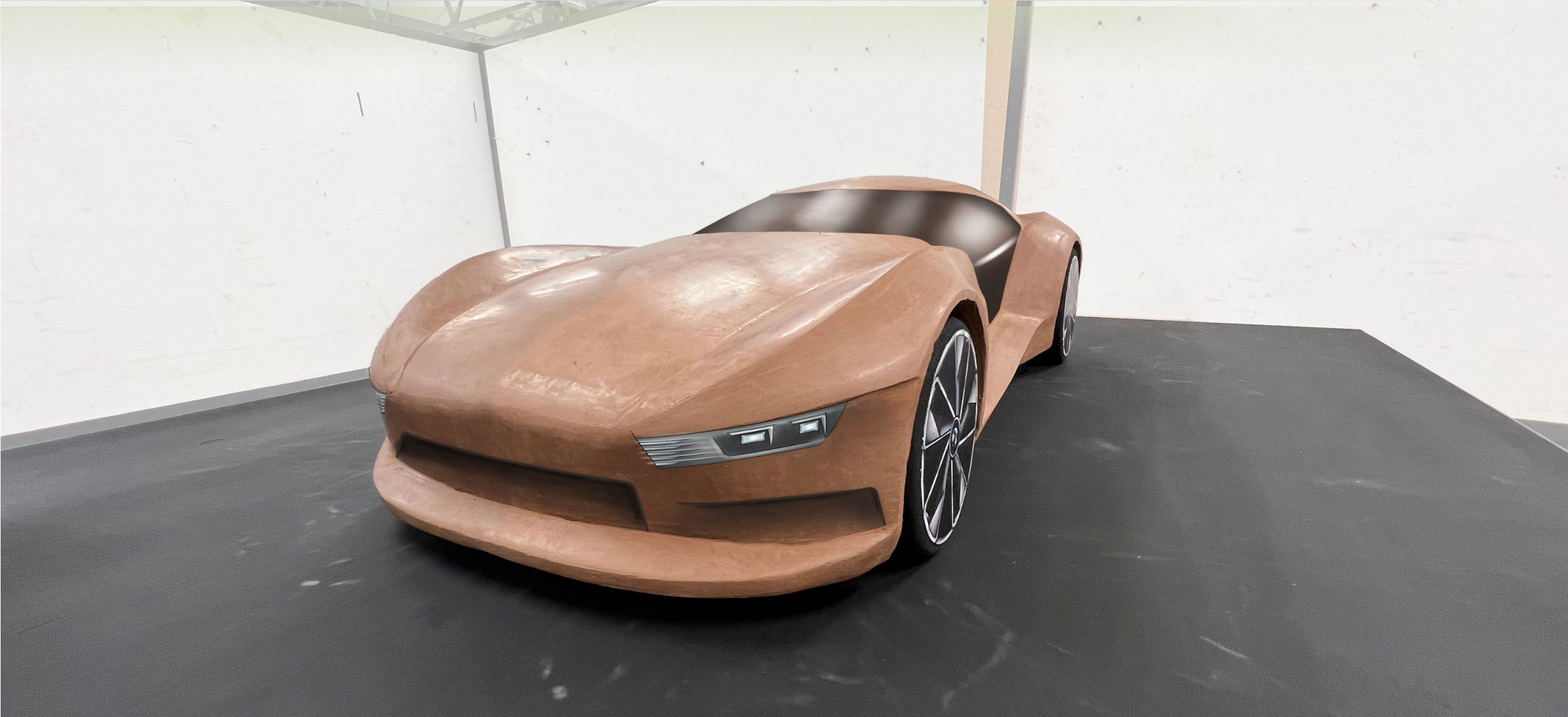
Recycled Glass Fibre
Reinforced Composites



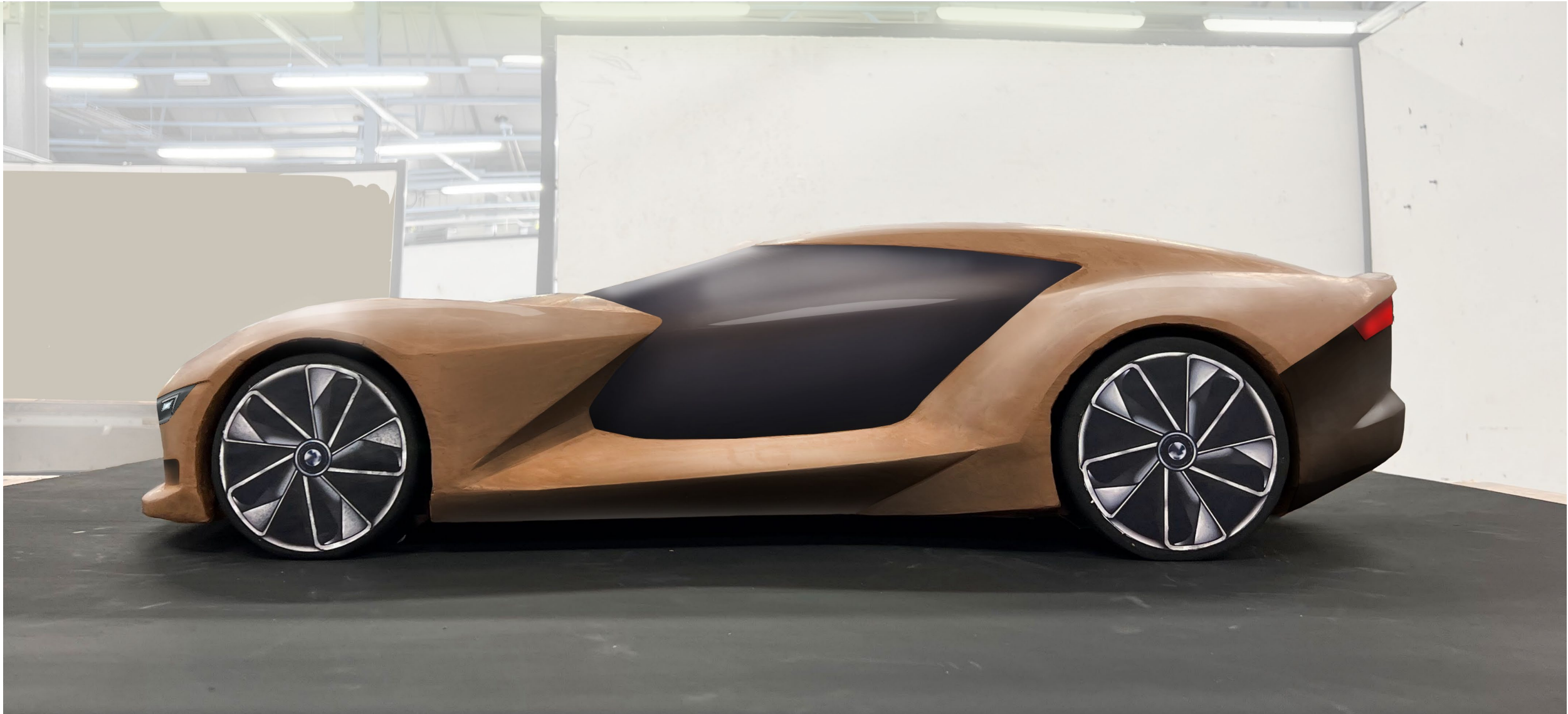
The form will be **AI Generated**



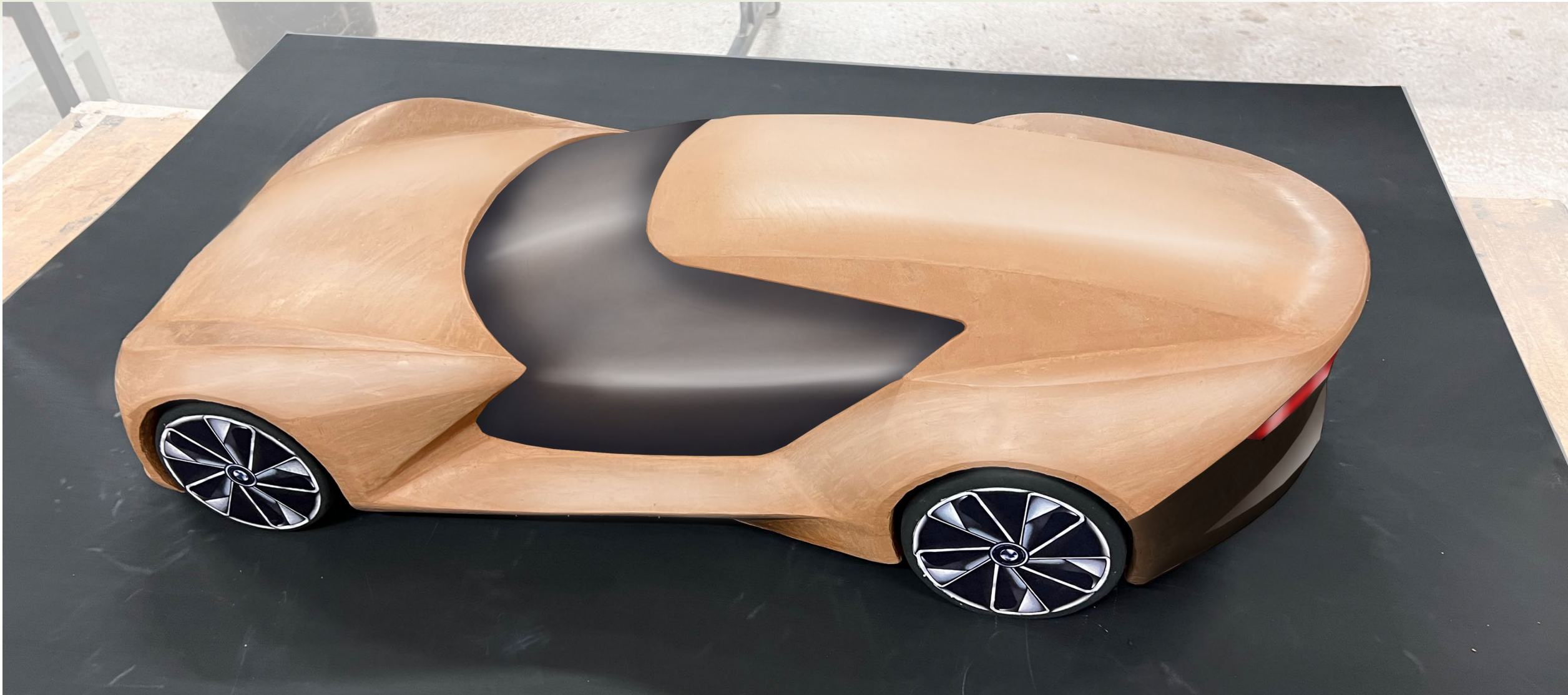
Final Grand Tourer

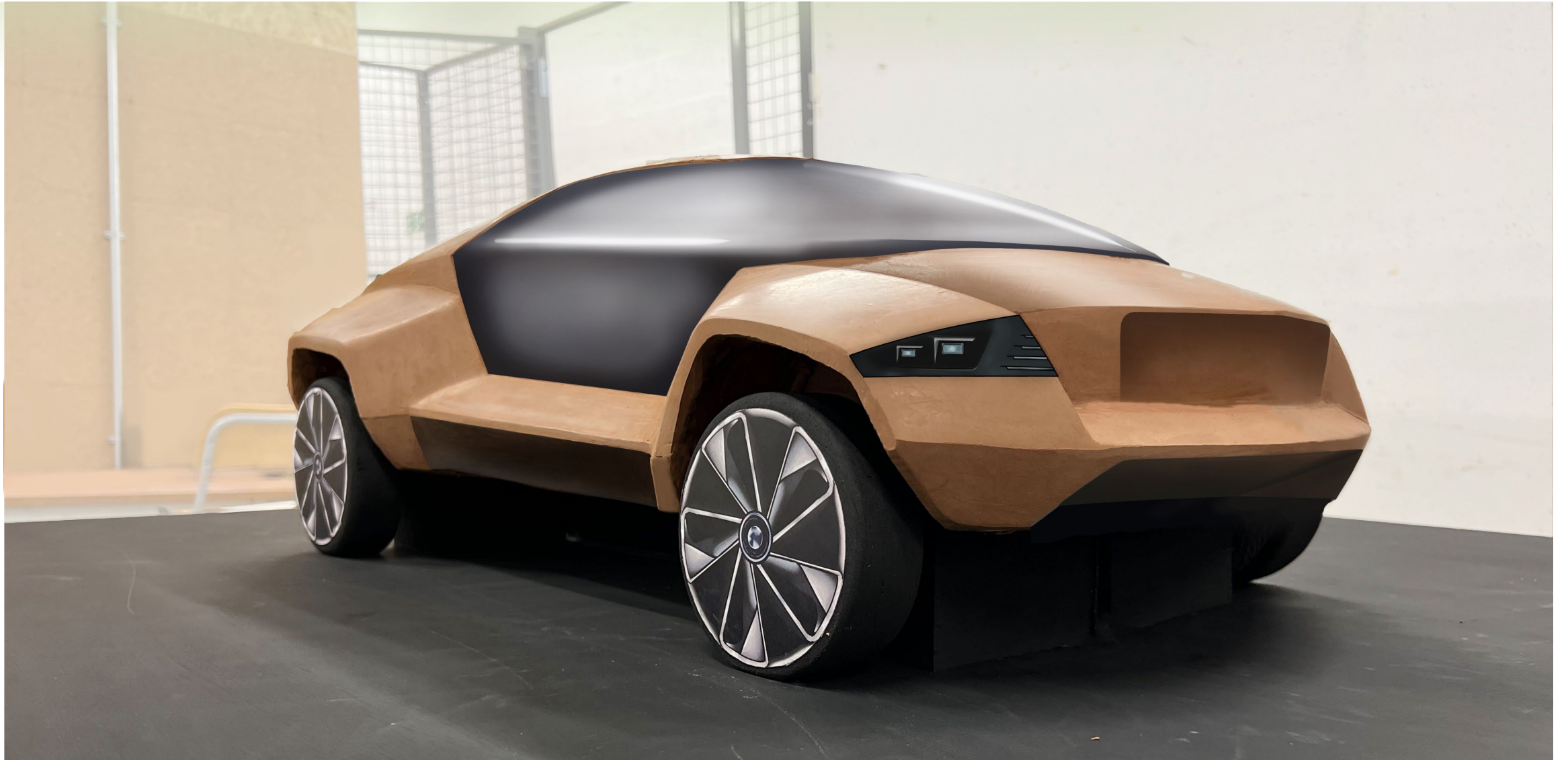


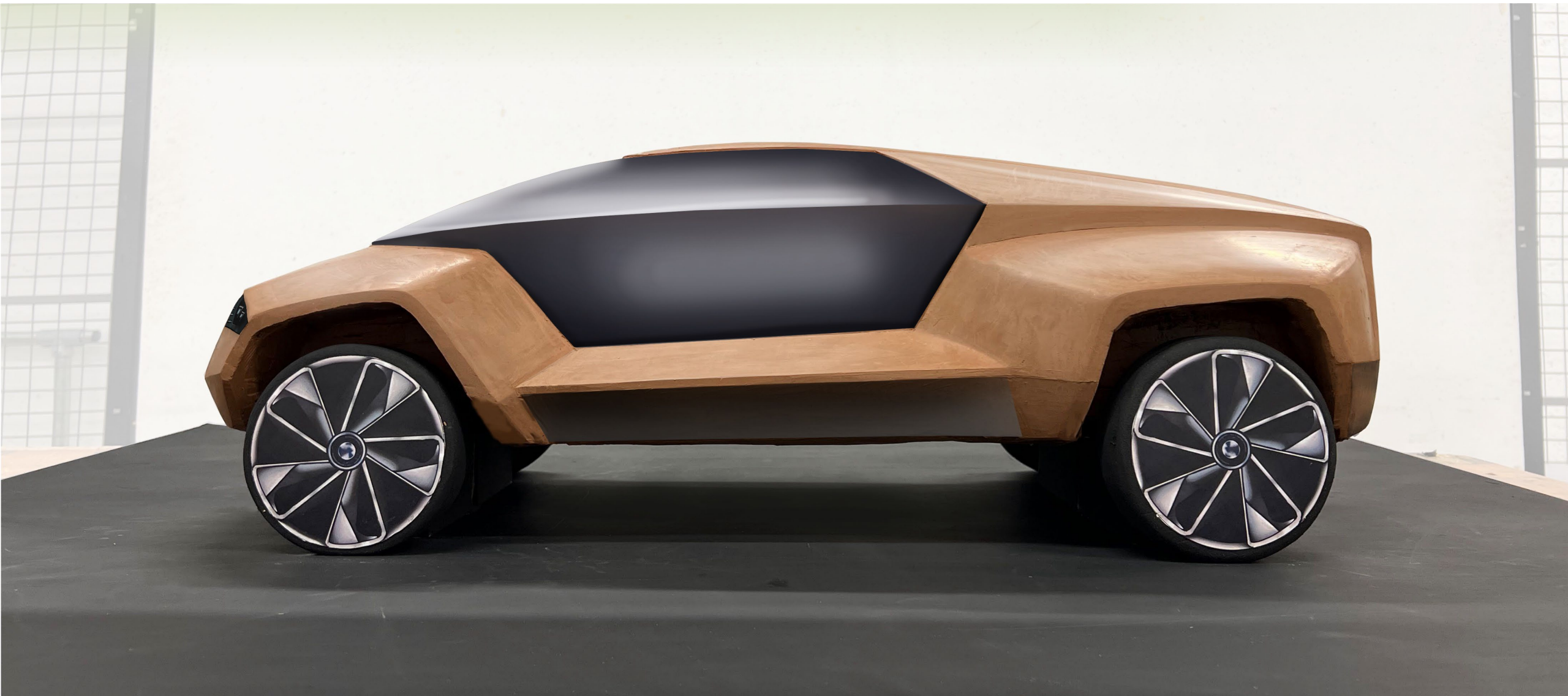
Final Grand Tourer















Thank You For Listening