

Prof. Alexander Forst

MASTER AIAMD 1 Final Examination

Artificial Intelligence Aided Mobility Design (M.A.)

Hyeonwoo Moon | Master 1 Semester | Matrikel-Nr: 00418522 | 30.01.2026 |



Task 1

Retro-Futurism

DeLorean DMC Project from the movie Back to the Future

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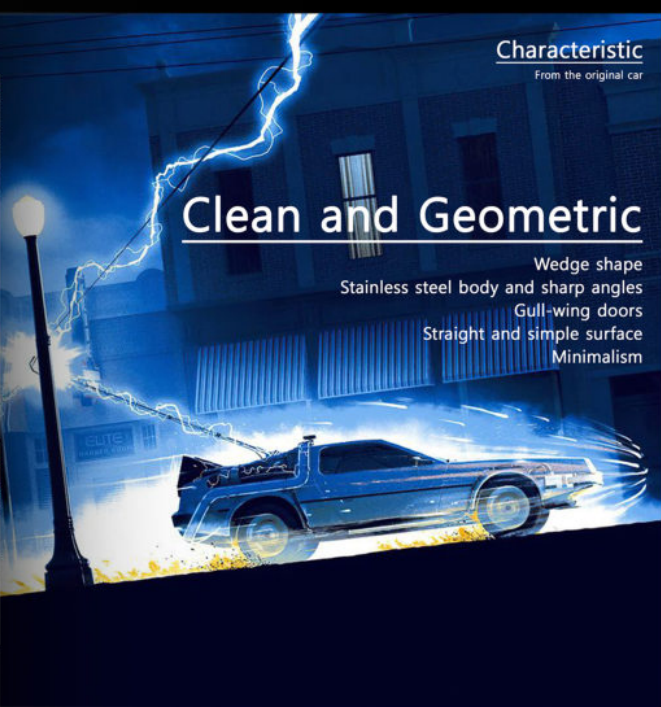
DeLorean DMC-12

Manufacturer: DeLorean Motor Company (DMC)
Production Years: 1981–1983
Body Style: 2-door coupe (Gull-wing doors)
Engine: 2.85L V6 PRV engine
Designer: Giorgetto Giugiaro (Italian automobile designer)



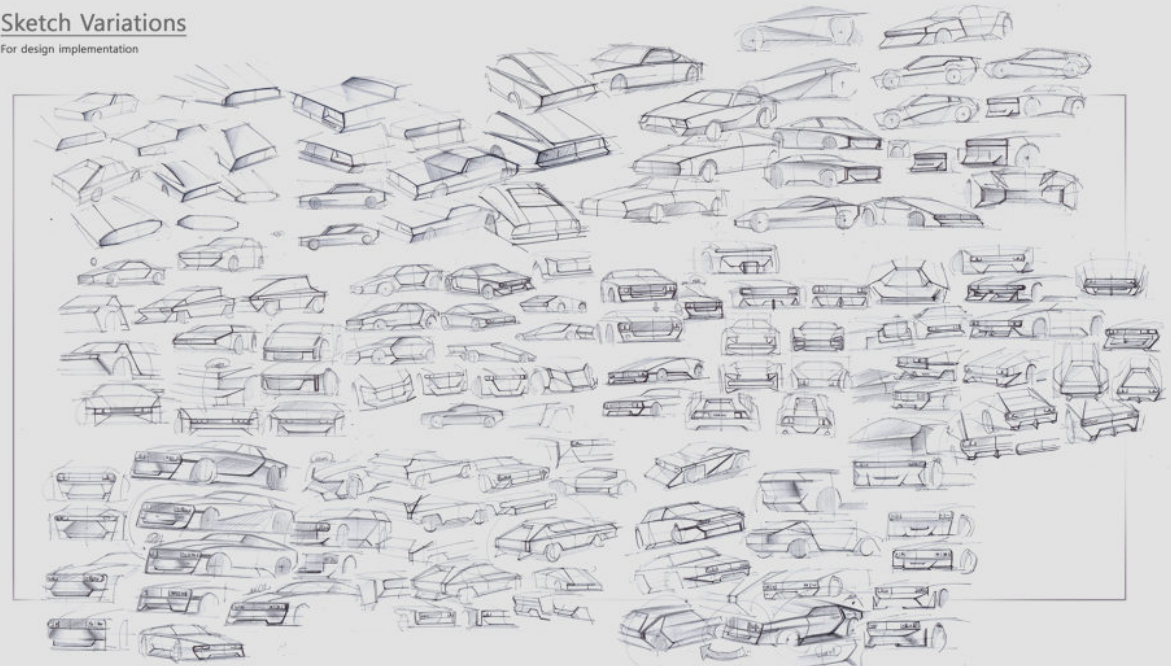
Clean and Geometric

- Wedge shape
- Stainless steel body and sharp angles
- Gull-wing doors
- Straight and simple surface
- Minimalism



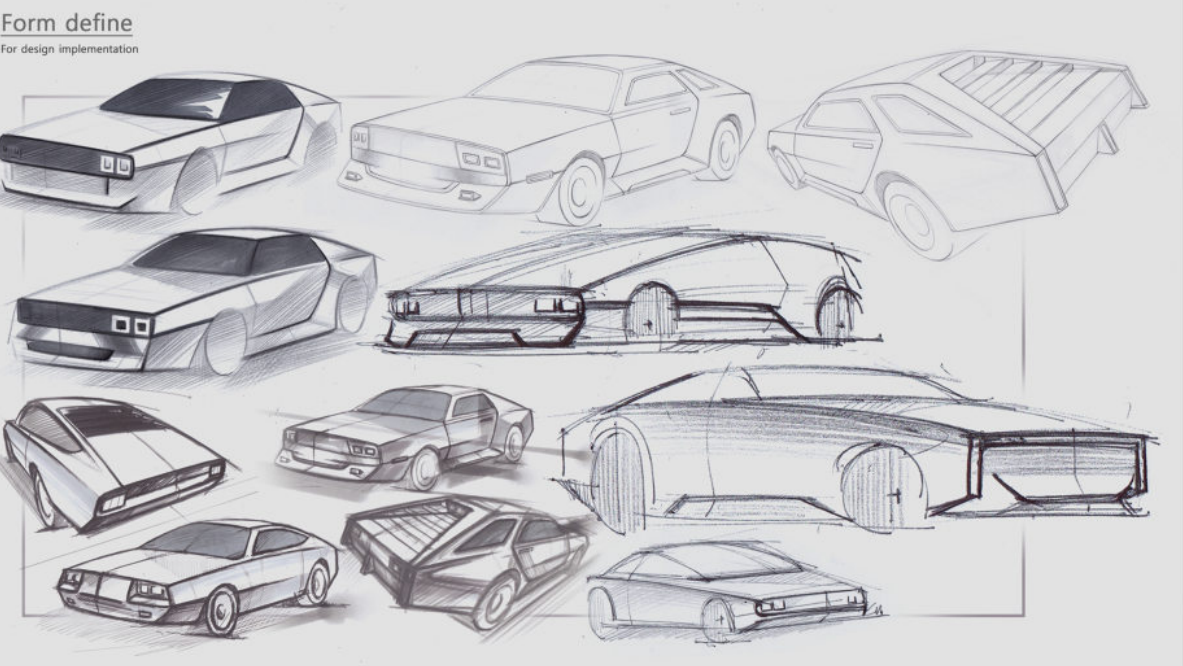
Sketch Variations

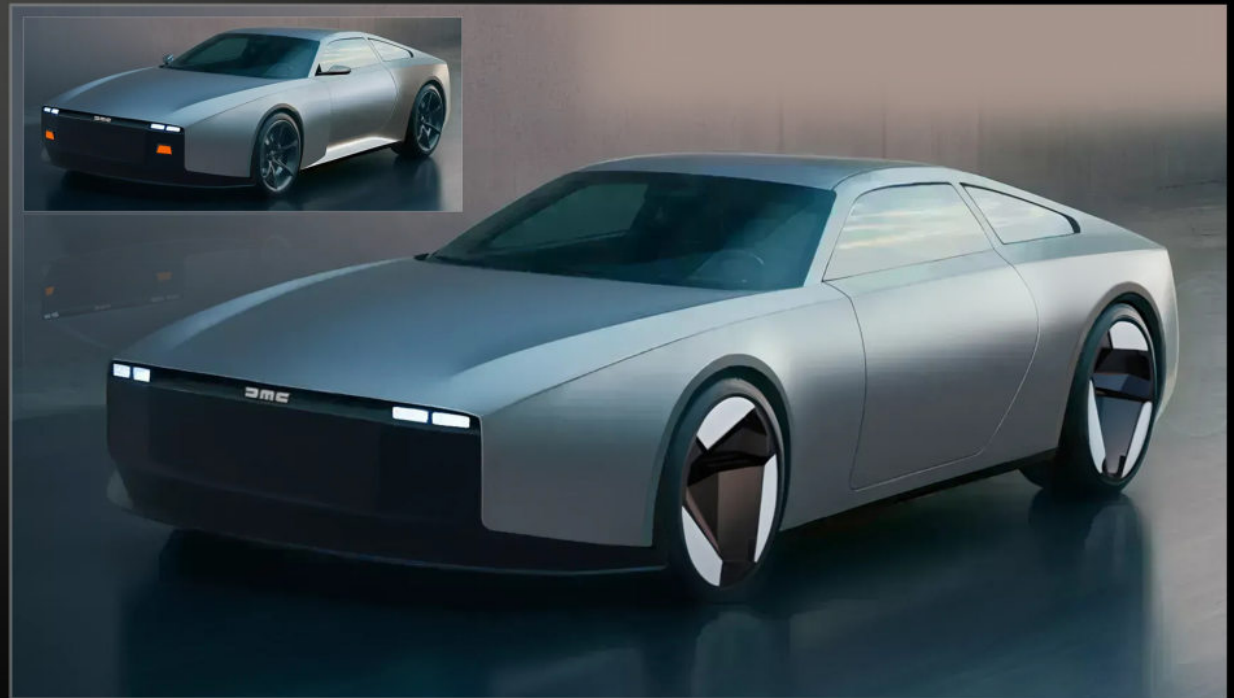
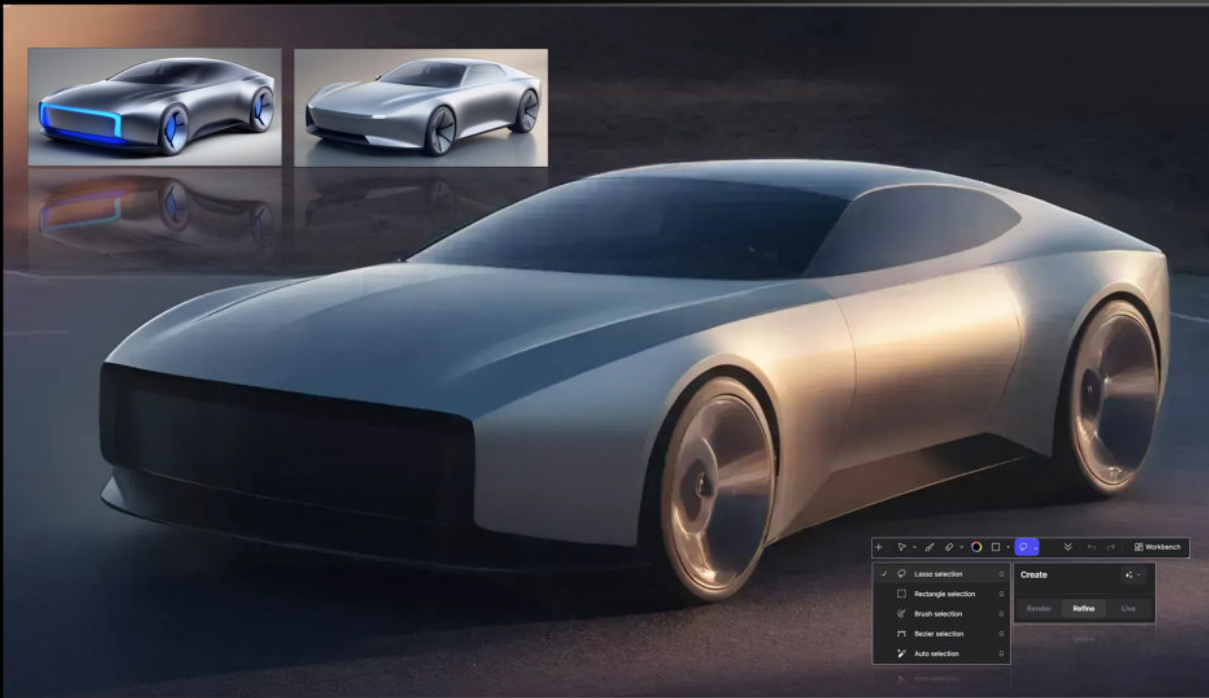
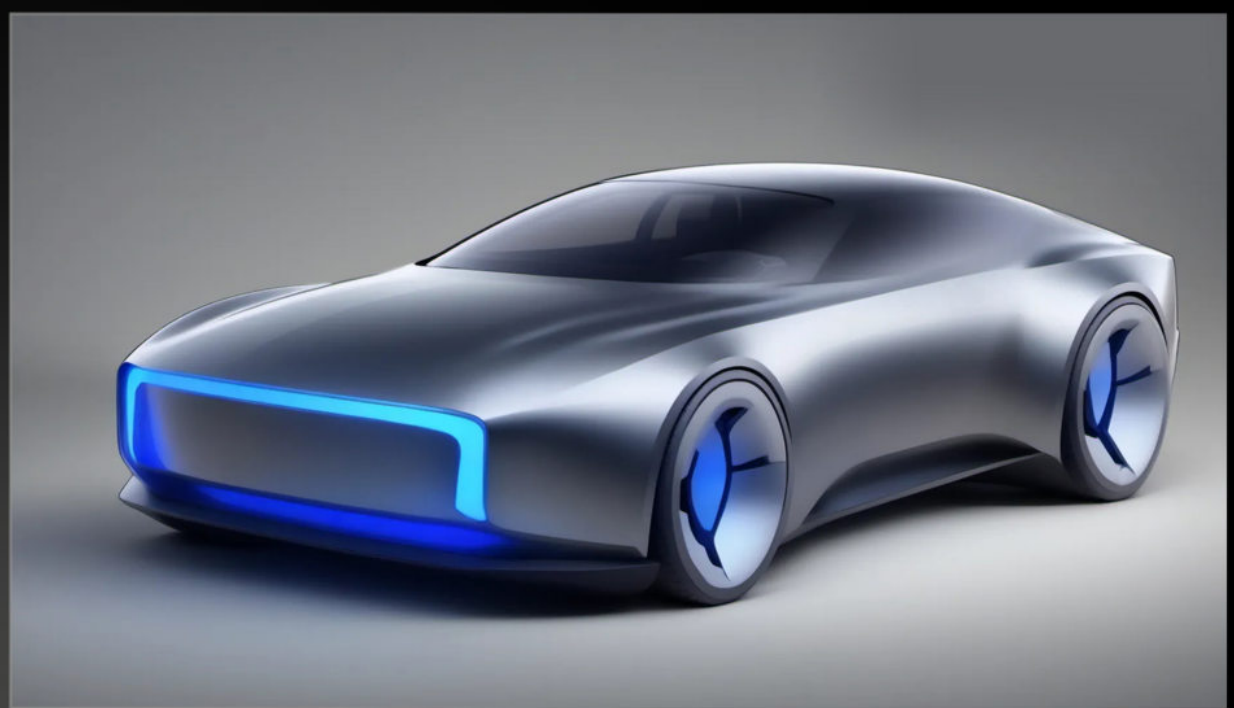
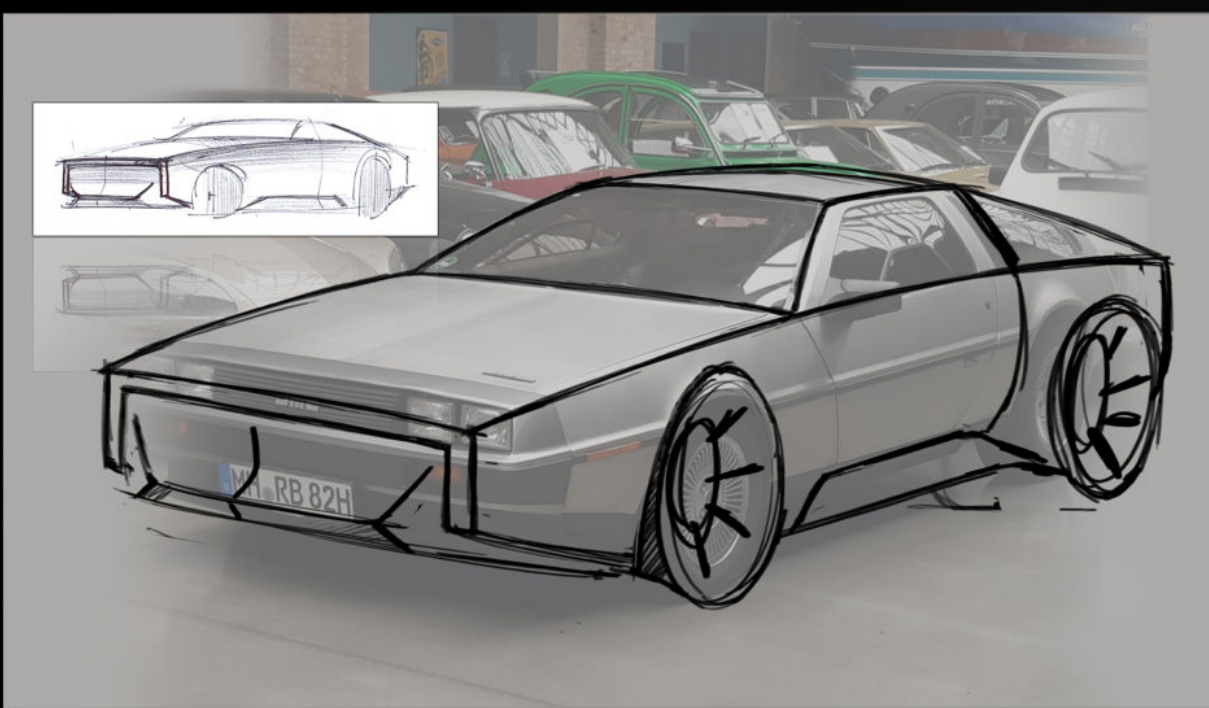
For design implementation



Form define

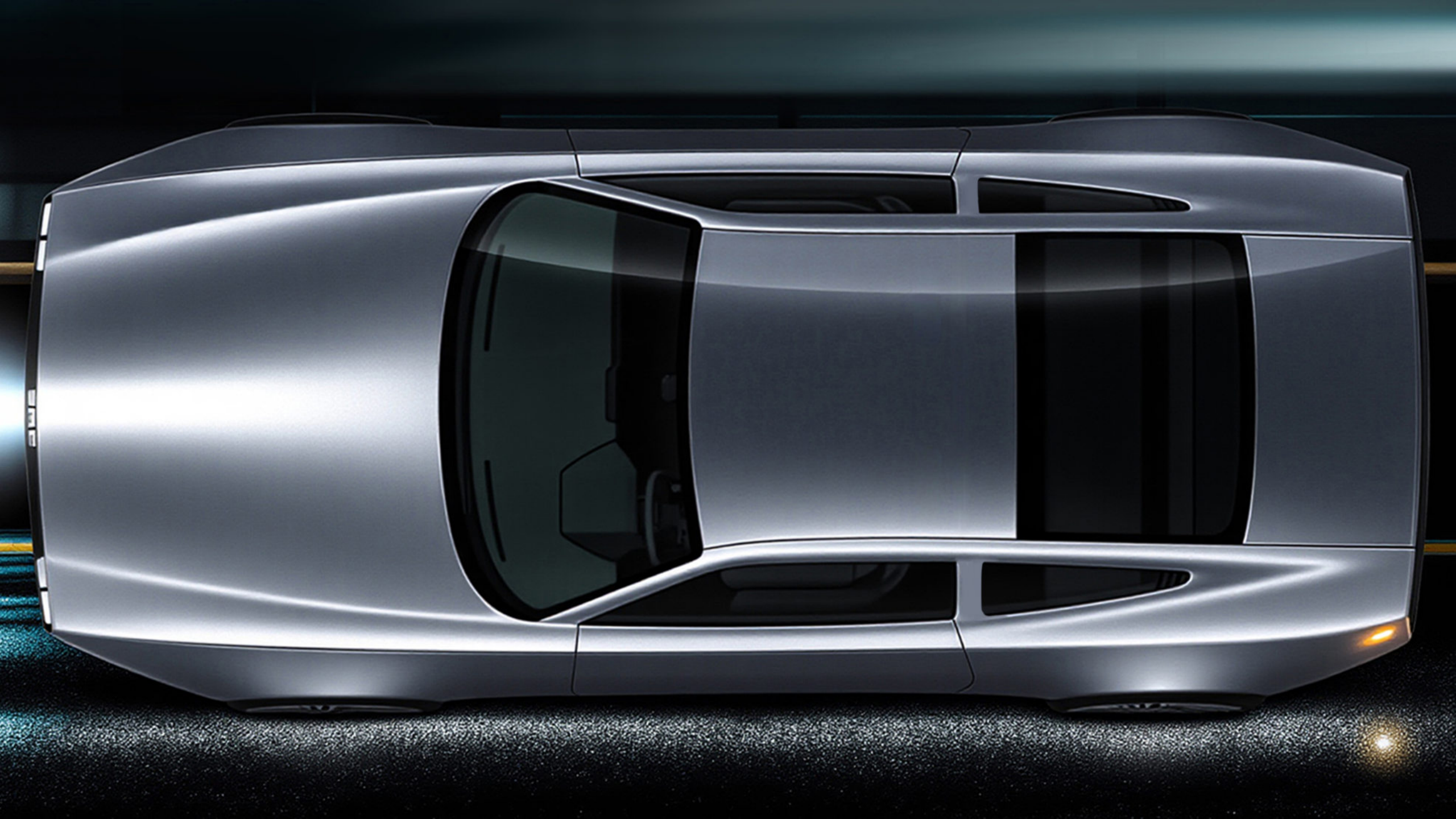
For design implementation

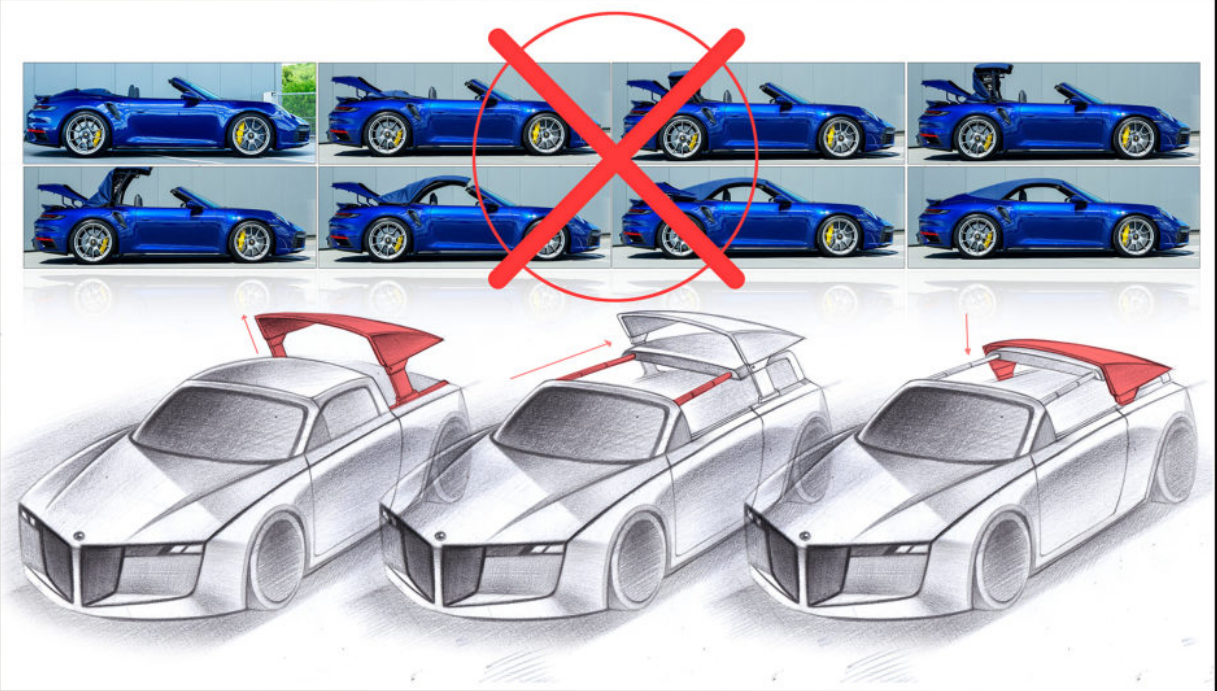
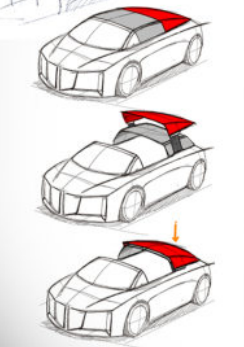
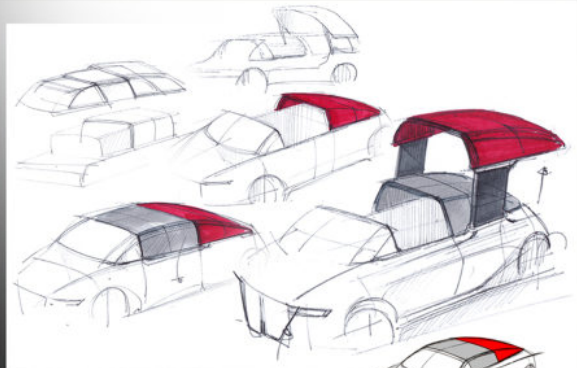
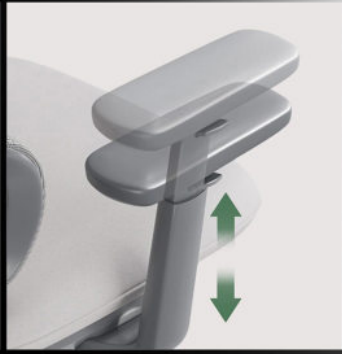
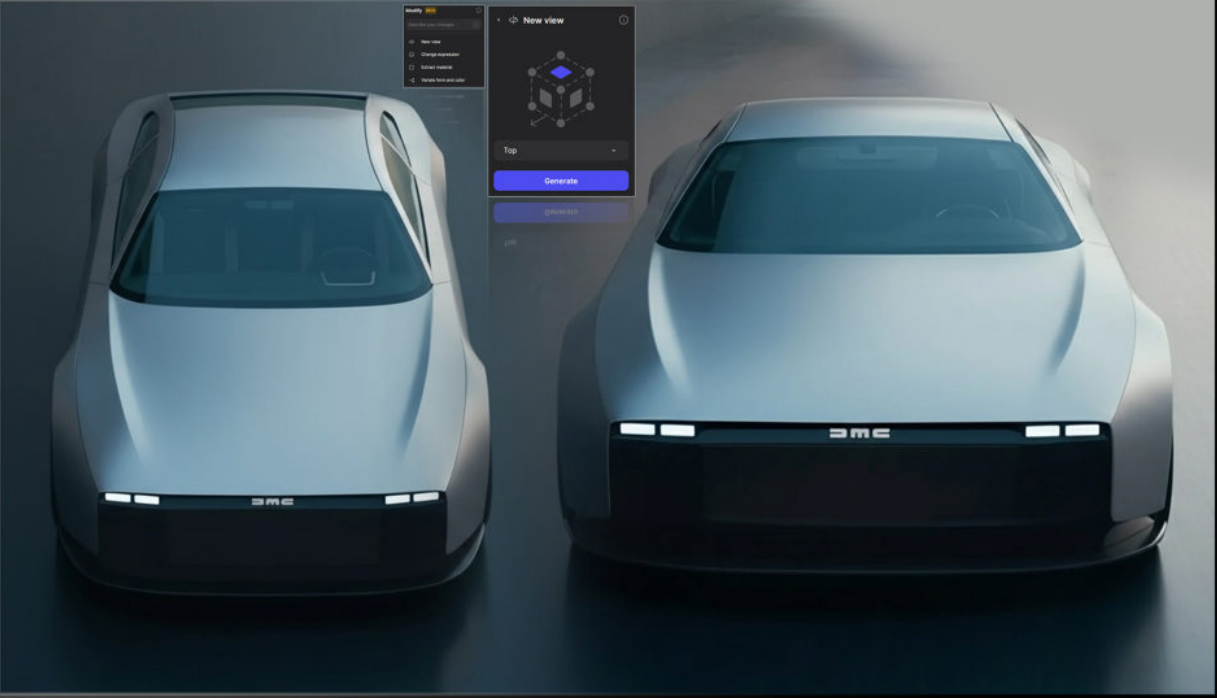
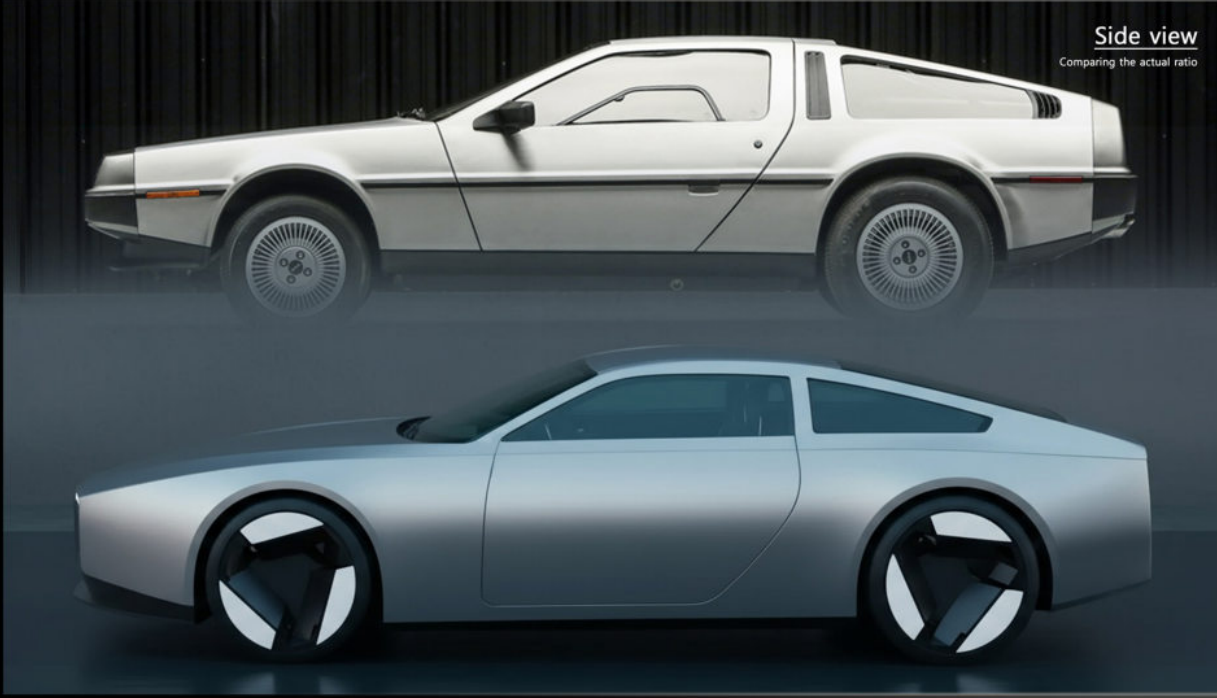












Process.1



Process.2



Process.3



Process.4

















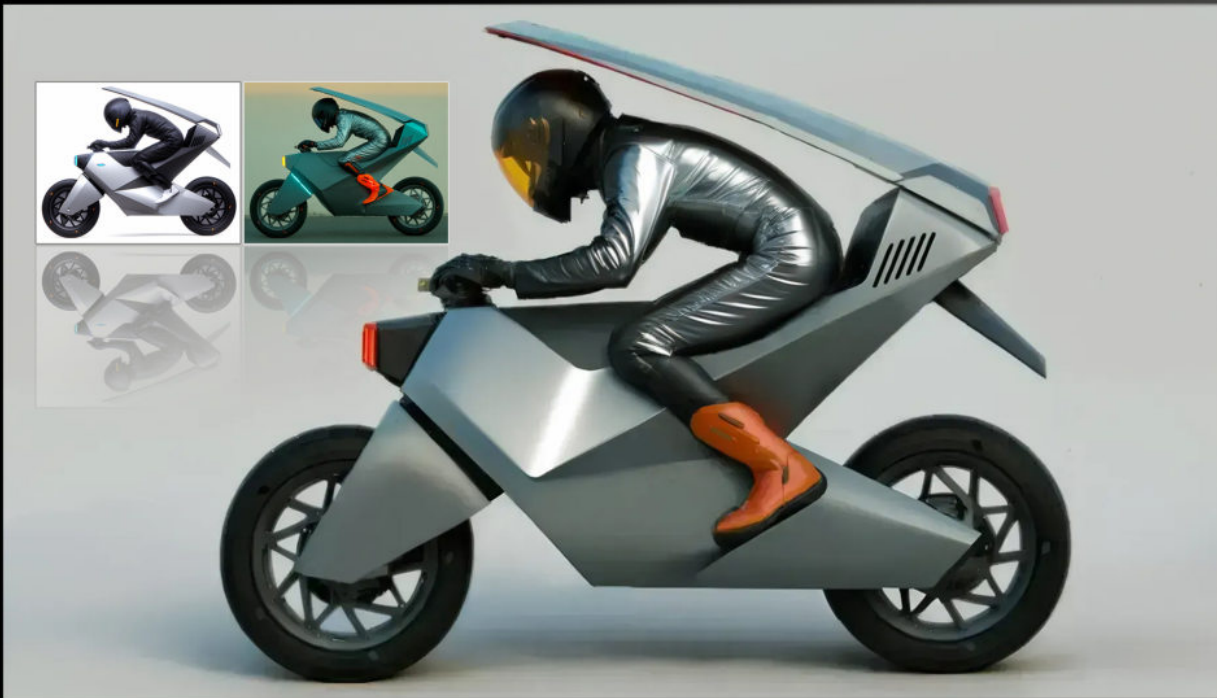
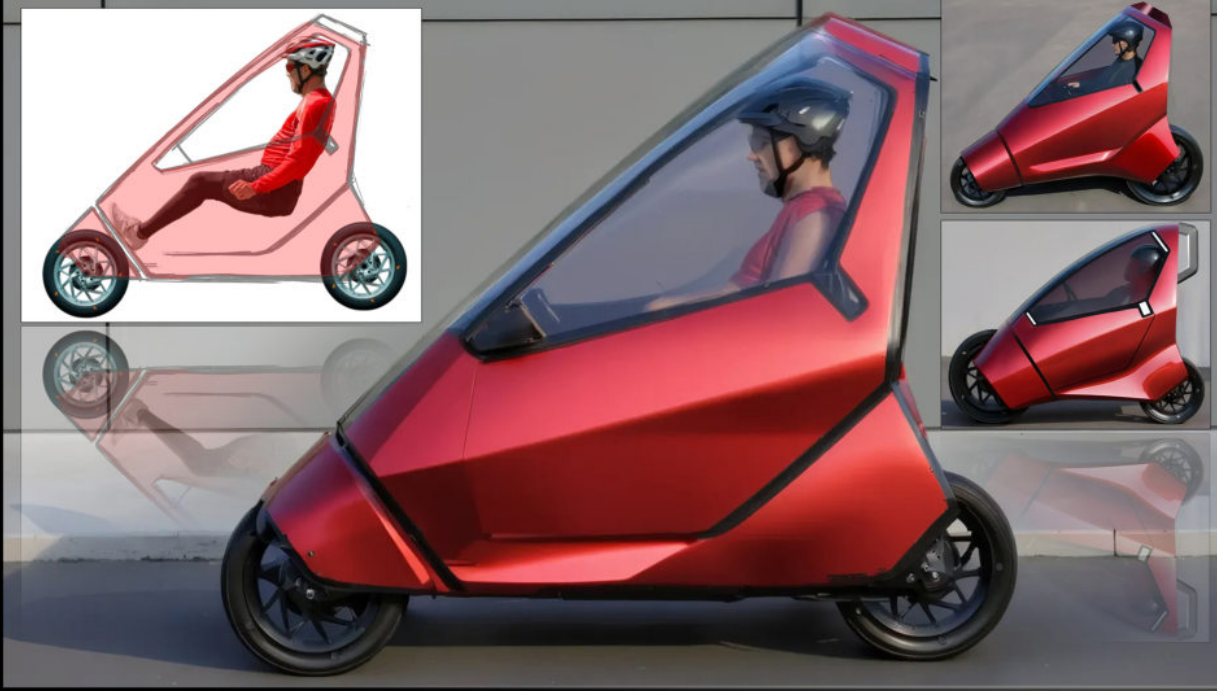


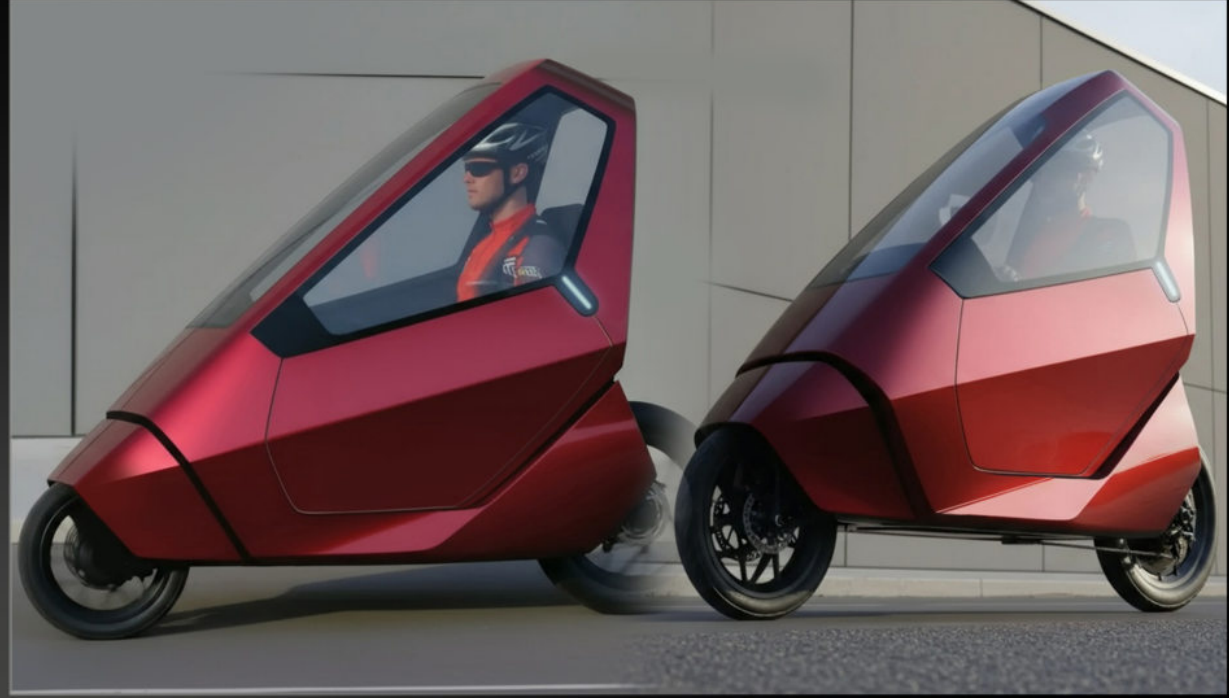
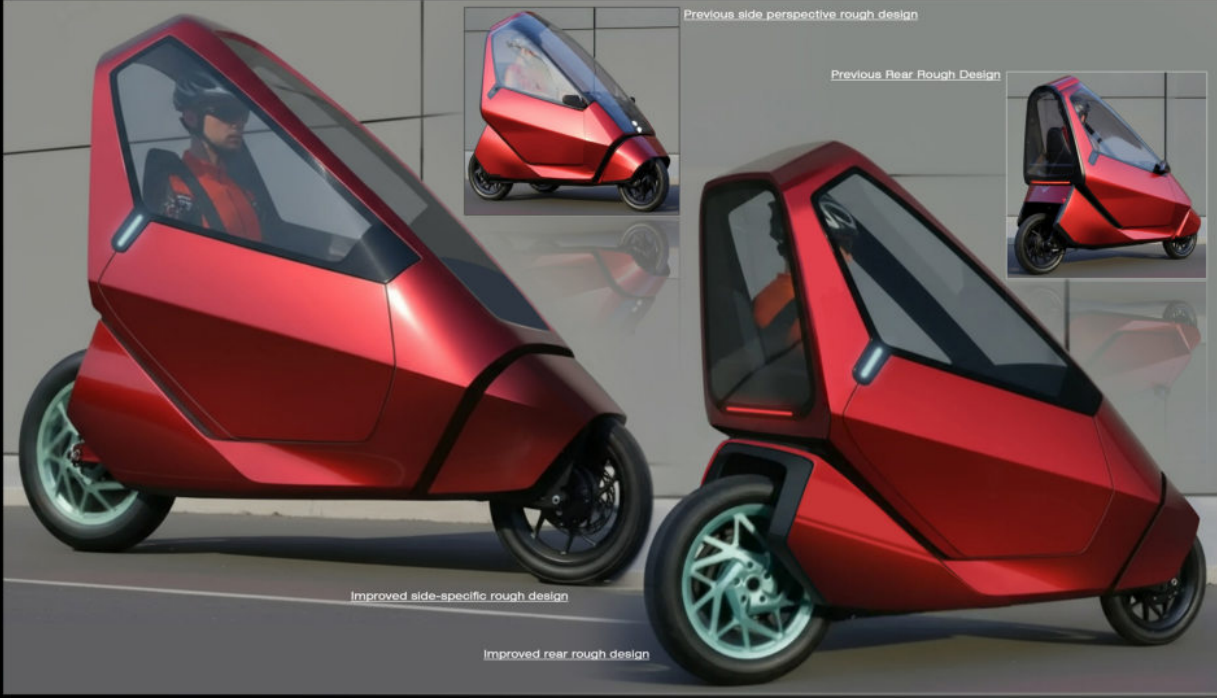
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Task 2 – Two-Wheel Architectures

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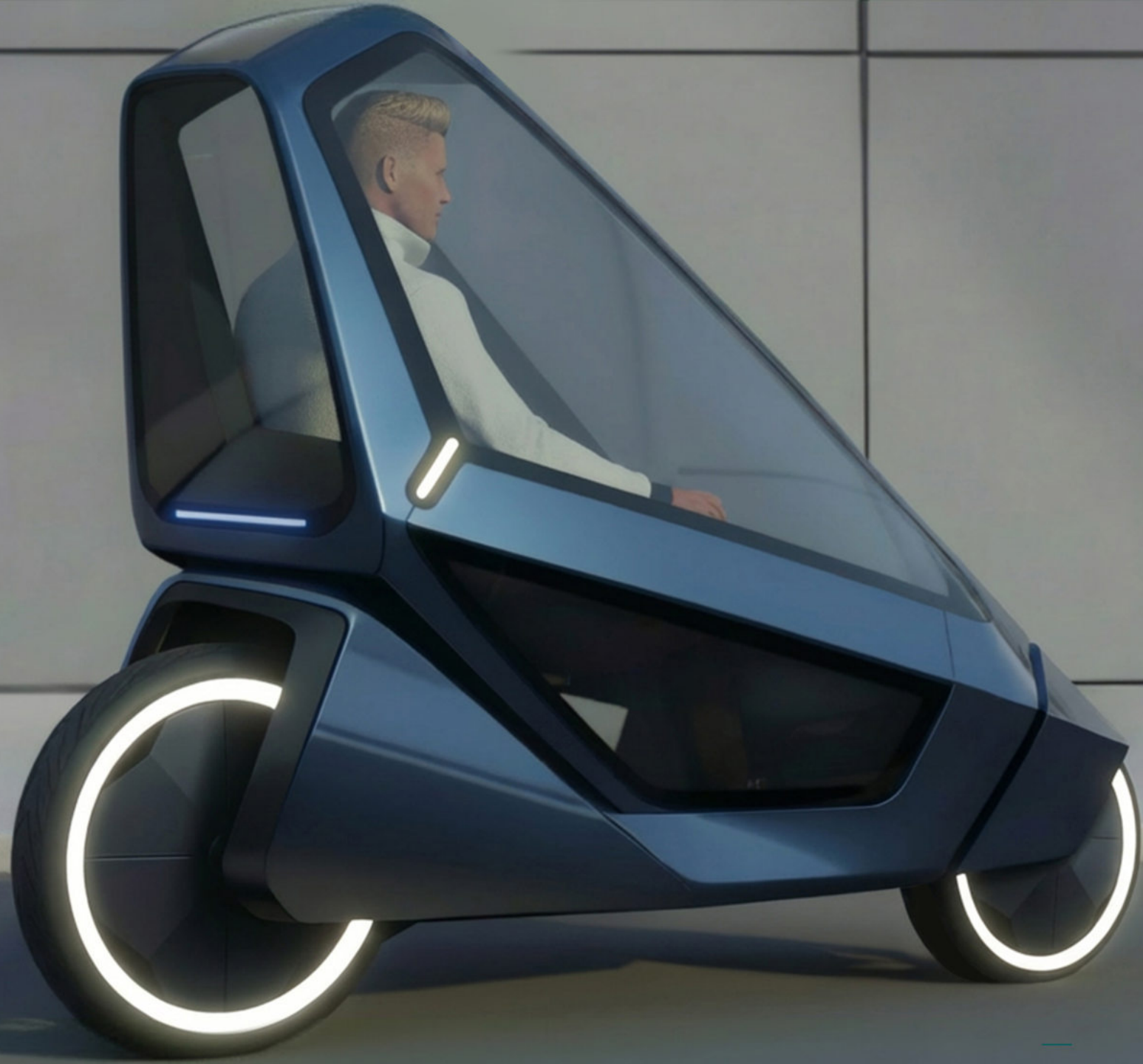
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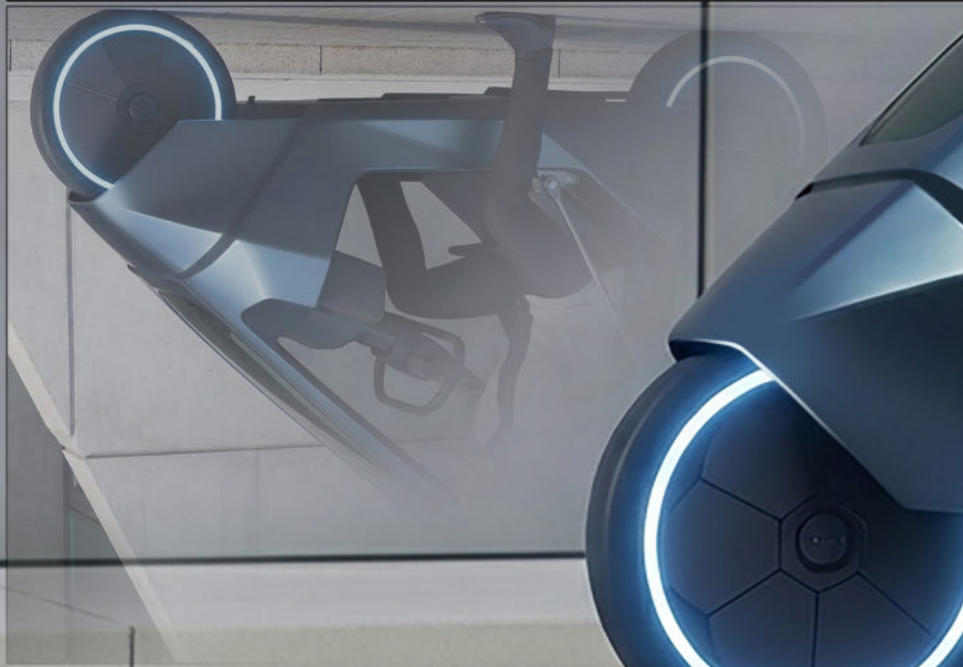


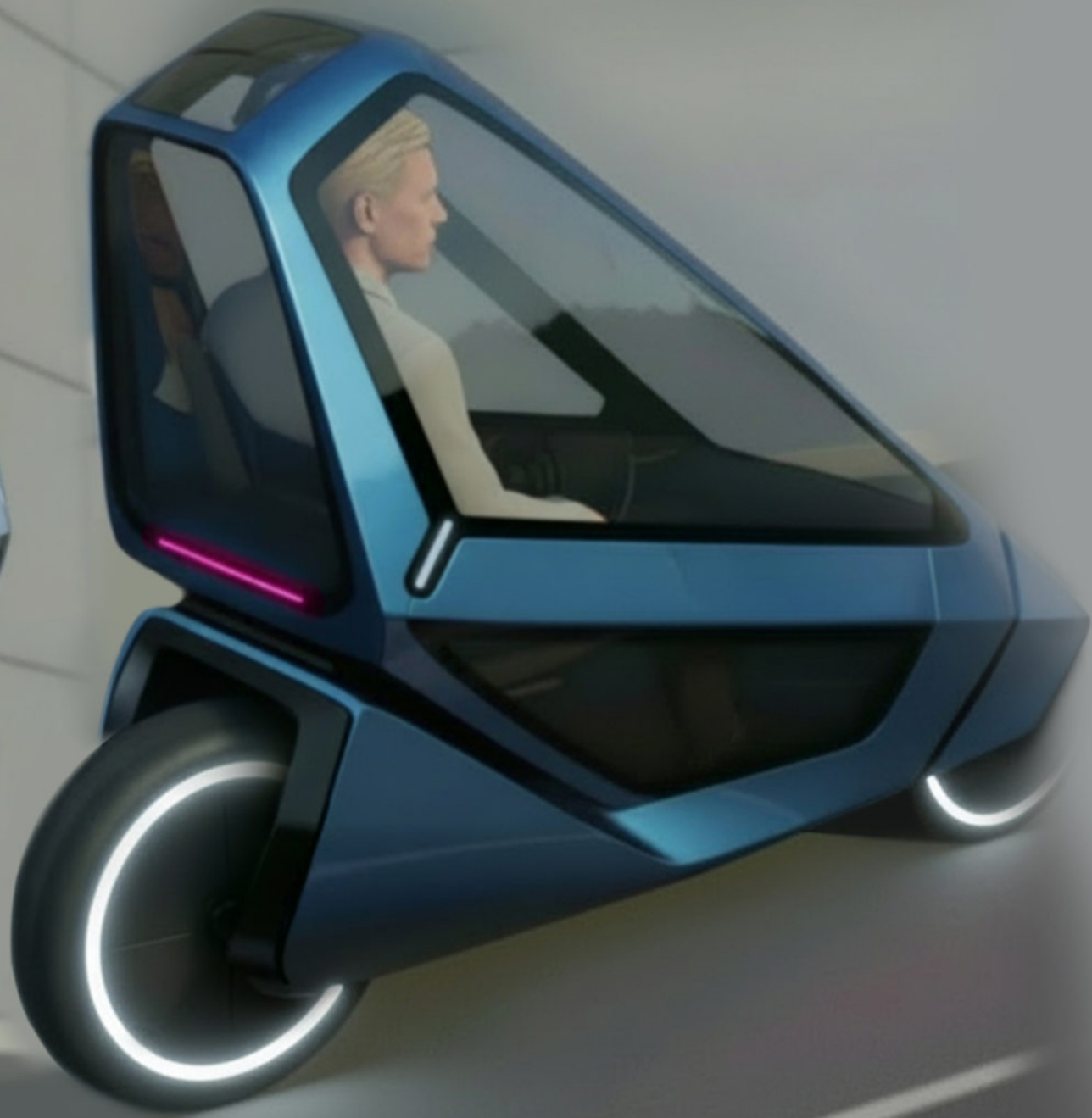


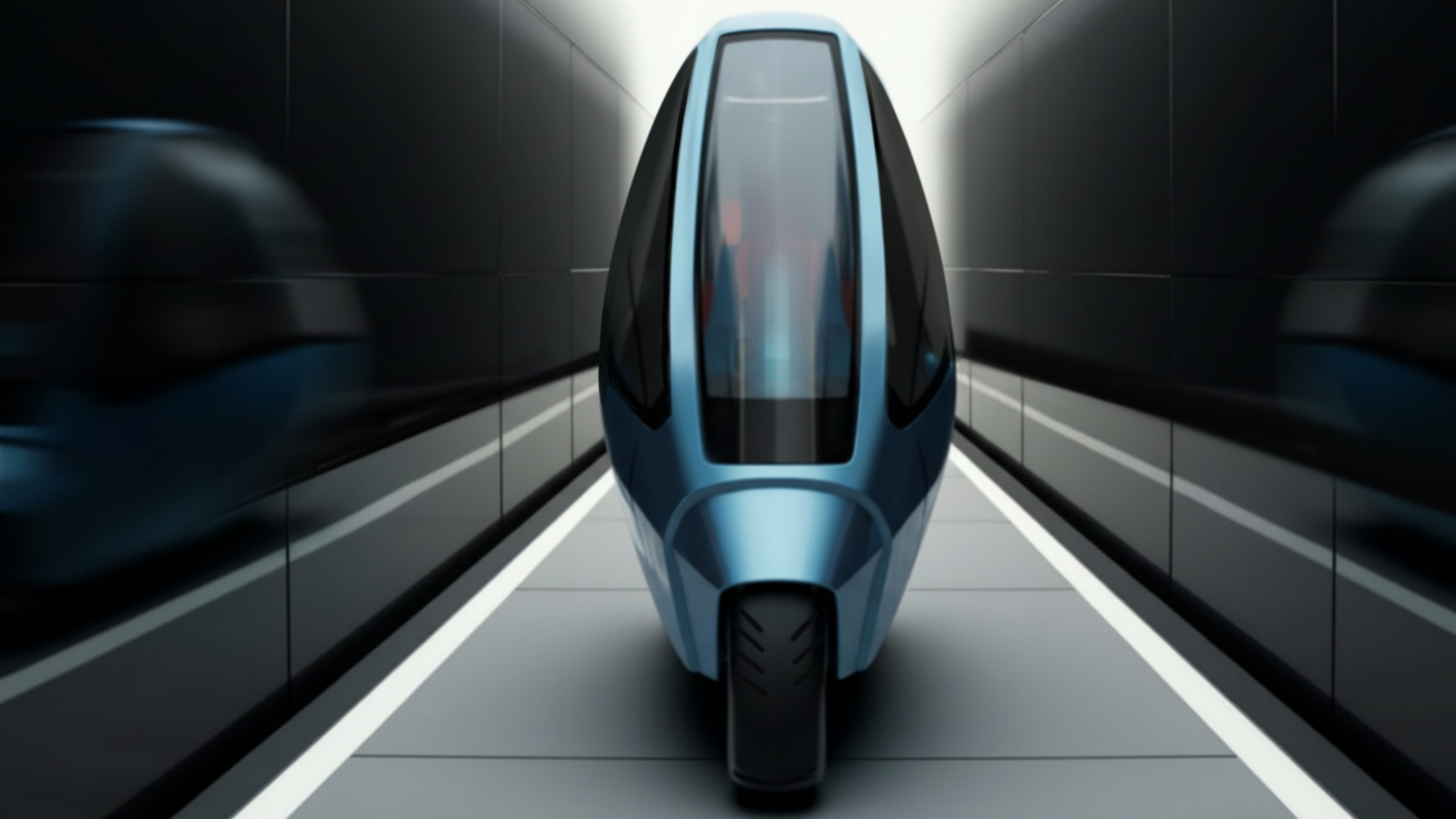


















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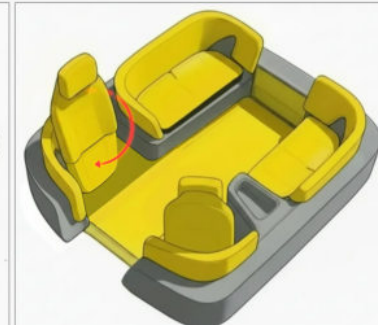
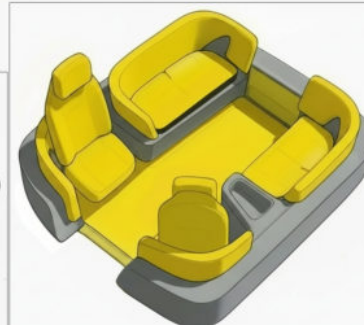
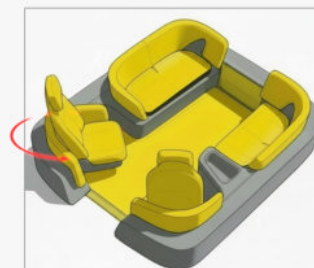
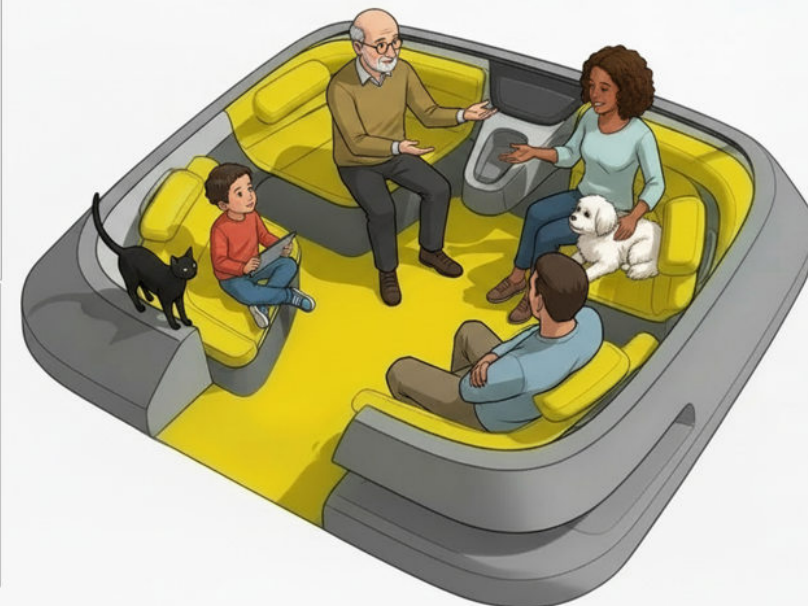
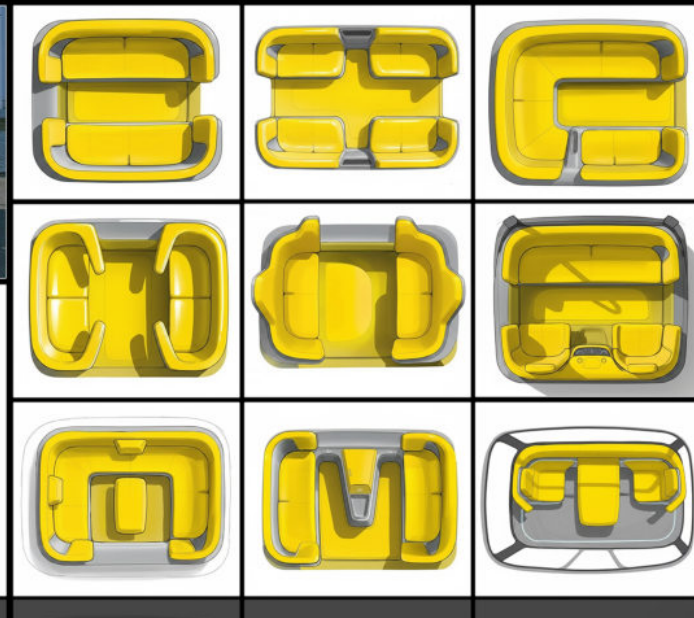
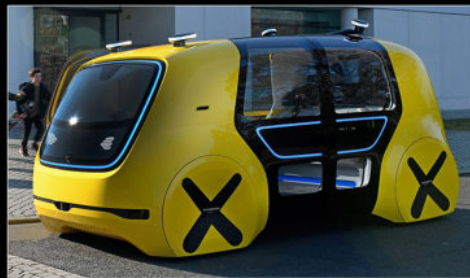
Task 3 – Autonomous Shuttle (Hop-on Hop-off)

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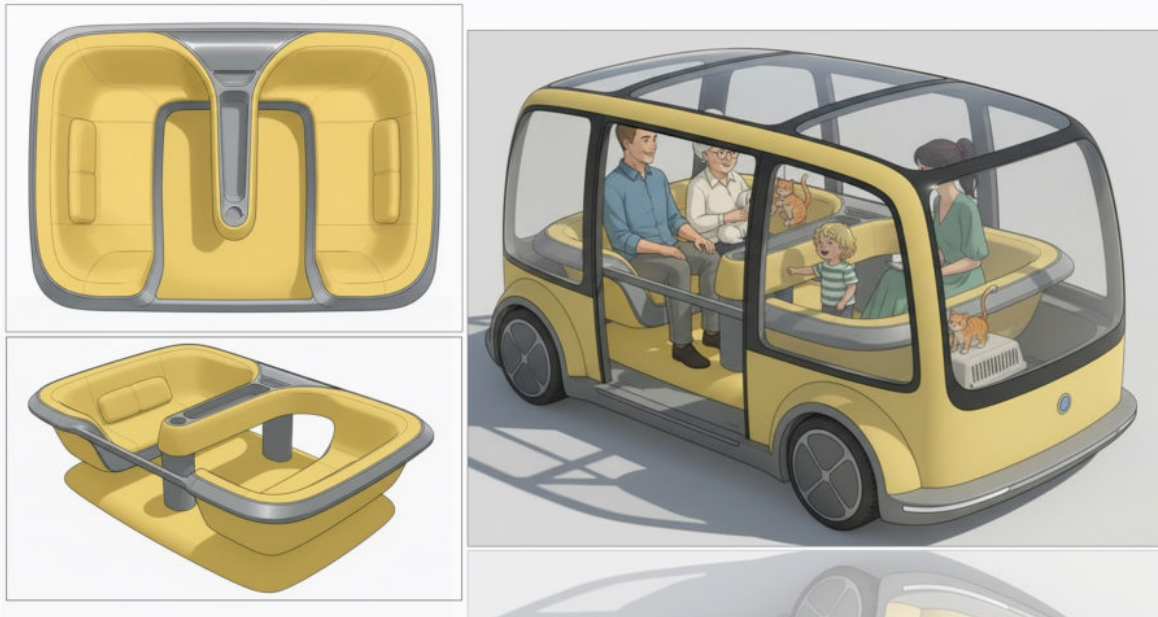
Reference Model and Layout

Volkswagen-Sedric_School_Bus_Concept



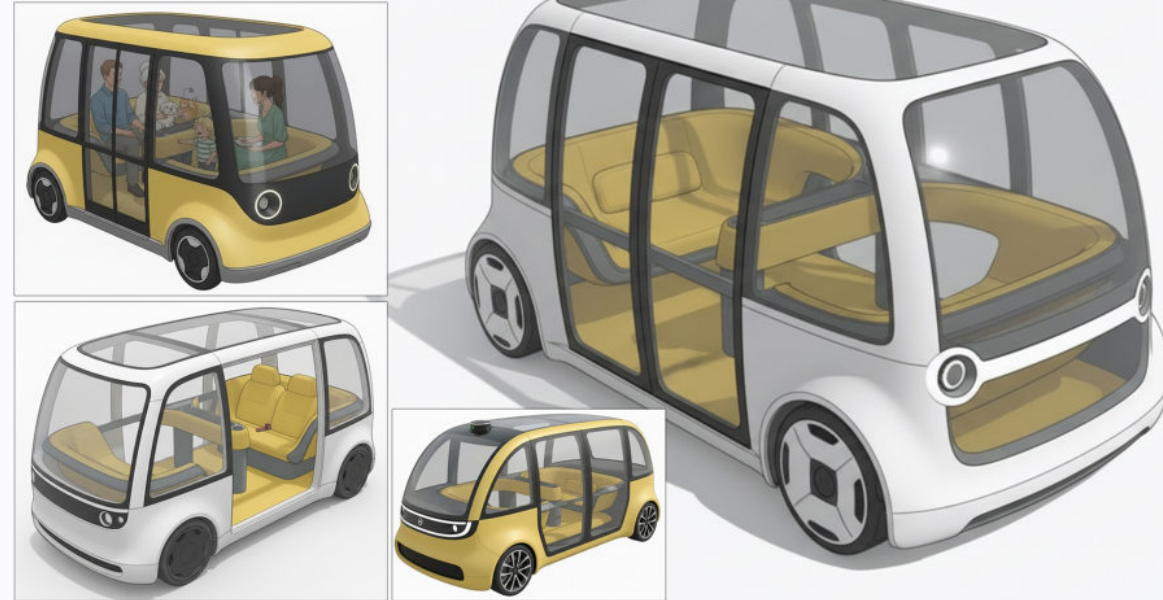
Type. B

Liquidity and vehicle coordination



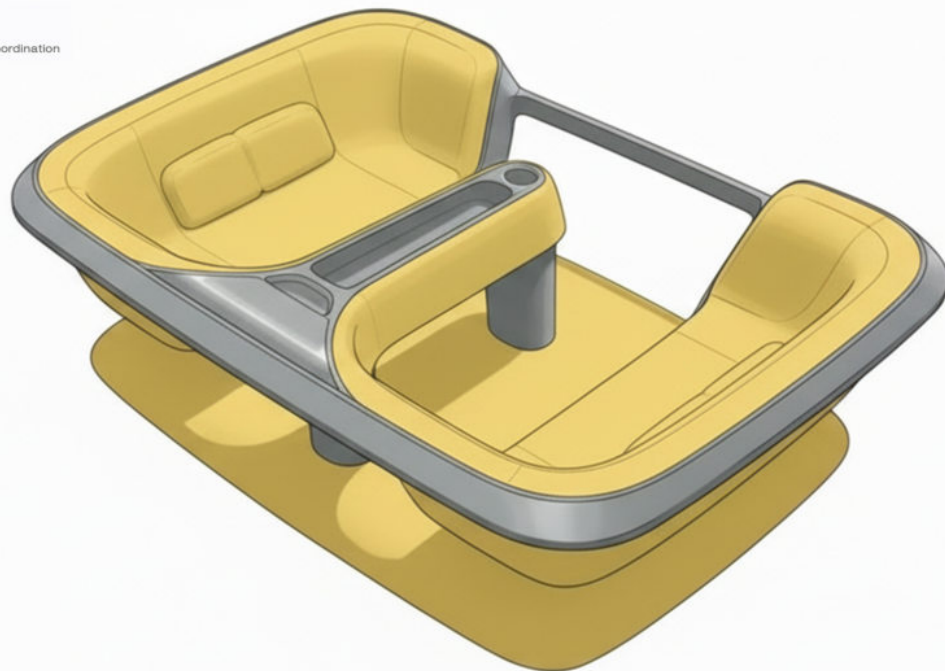
Type. B

Liquidity and vehicle coordination



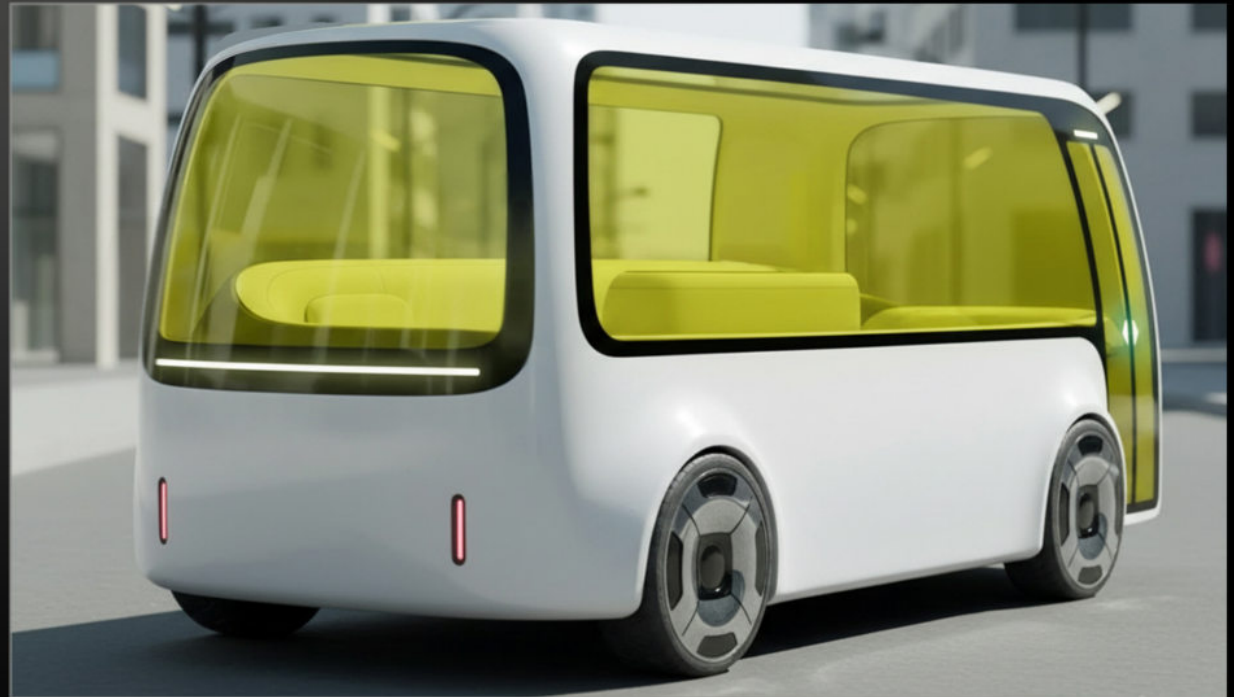
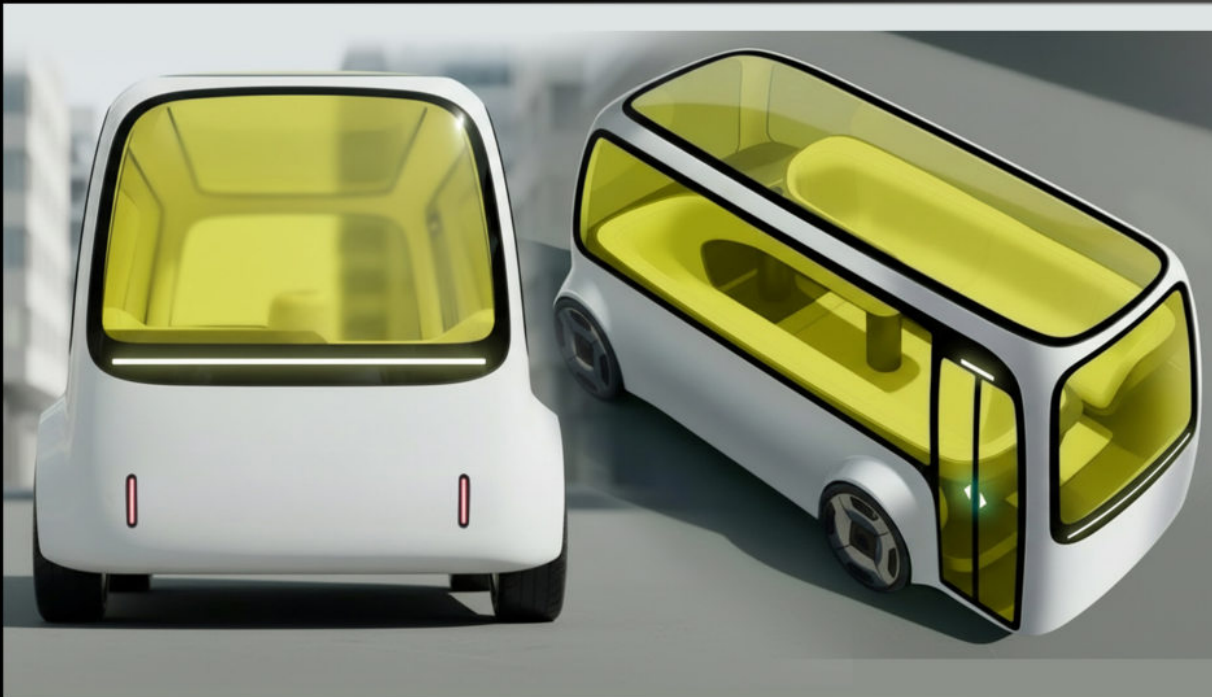
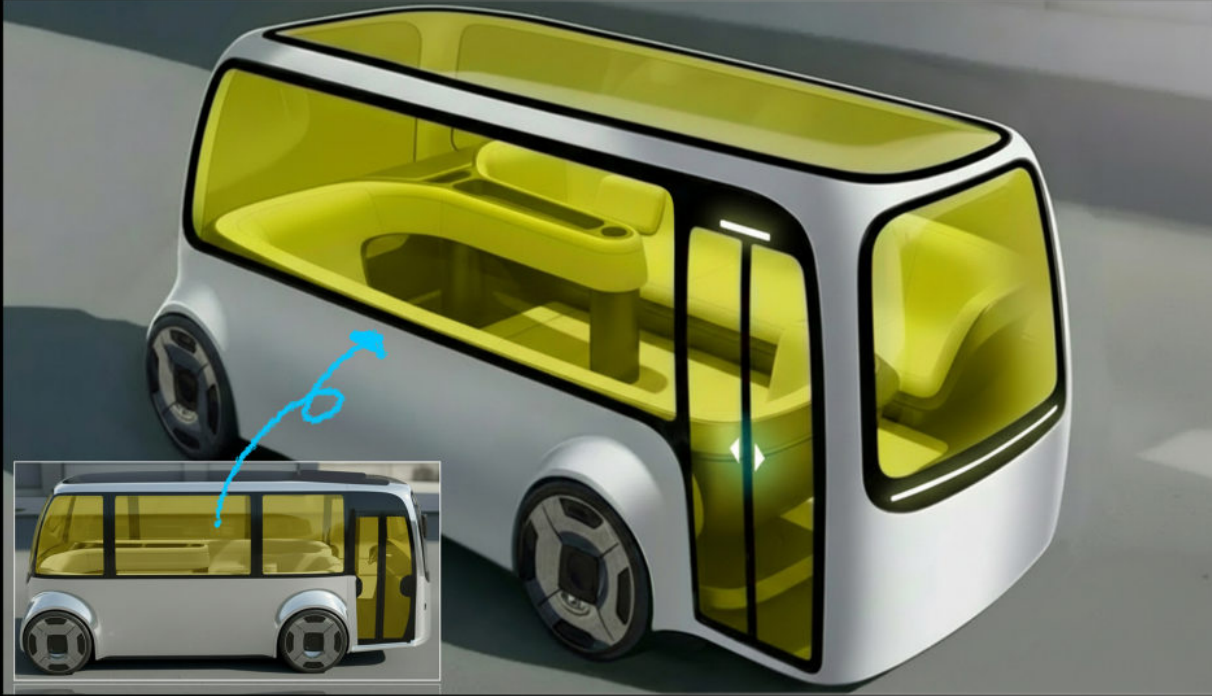
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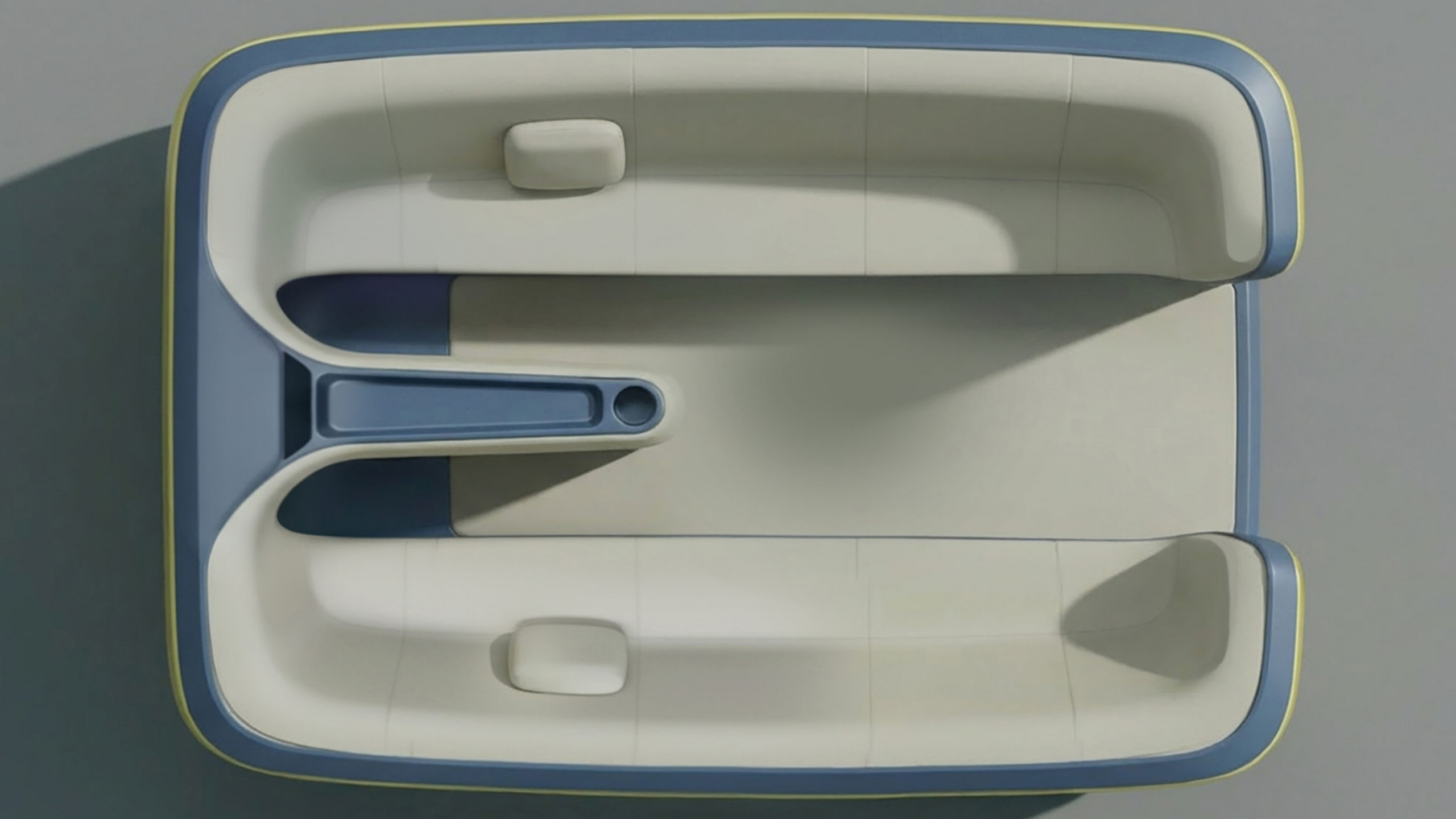
Liquidity and vehicle coordination





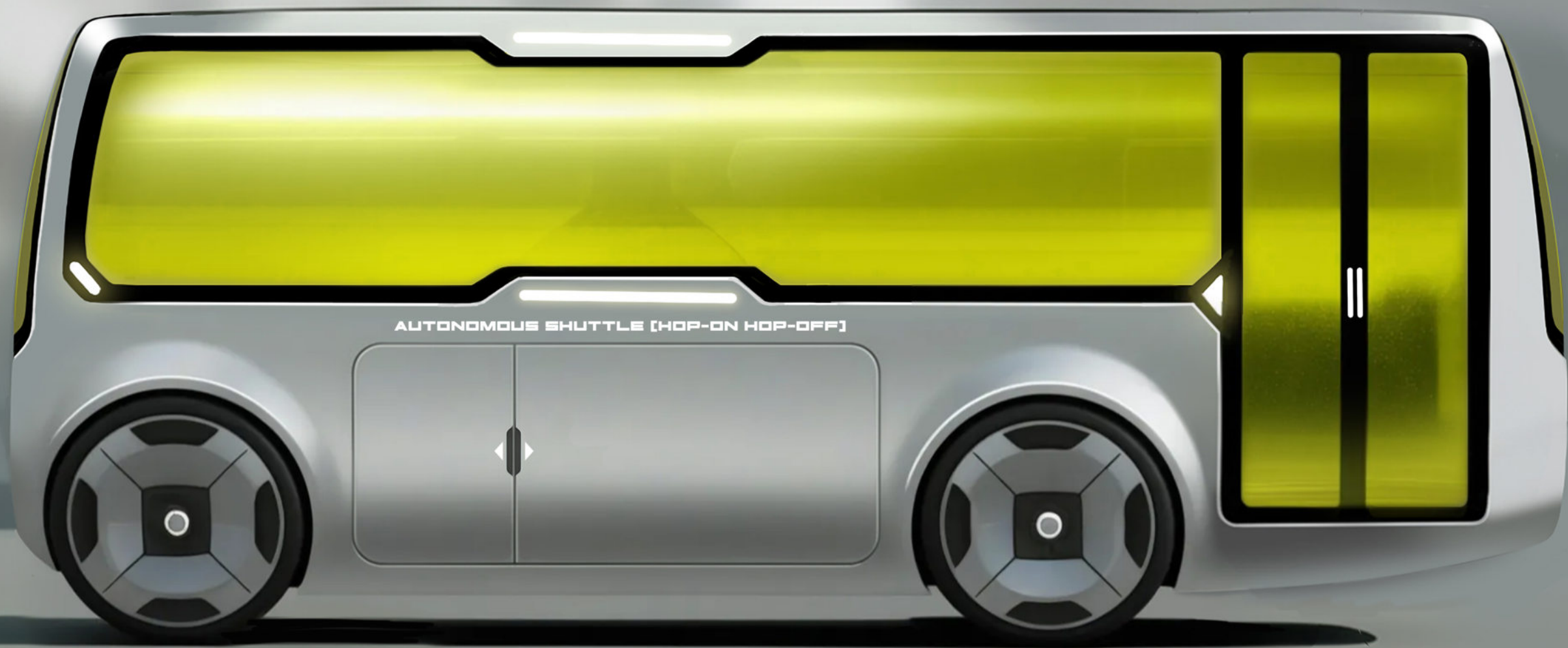






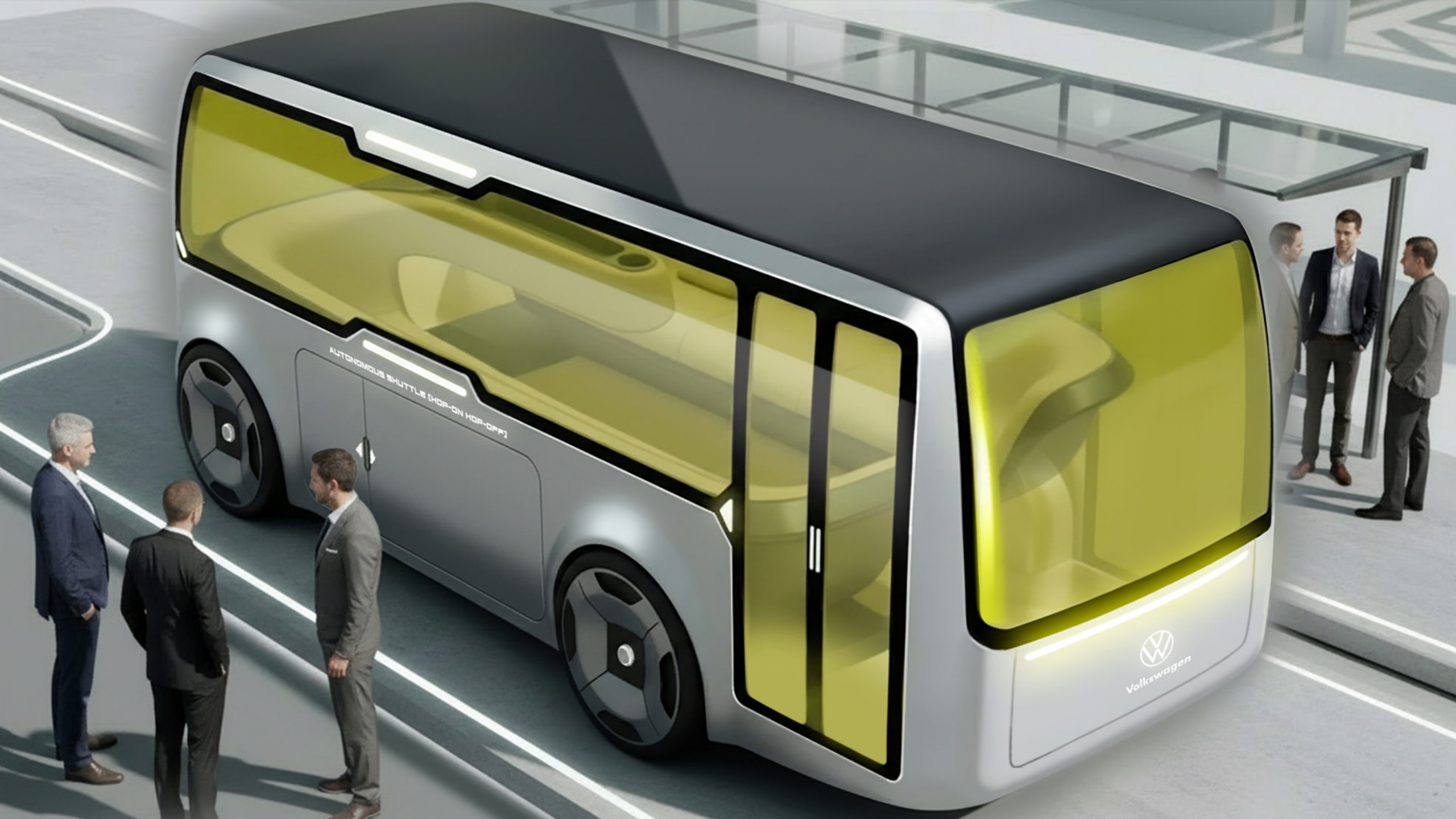


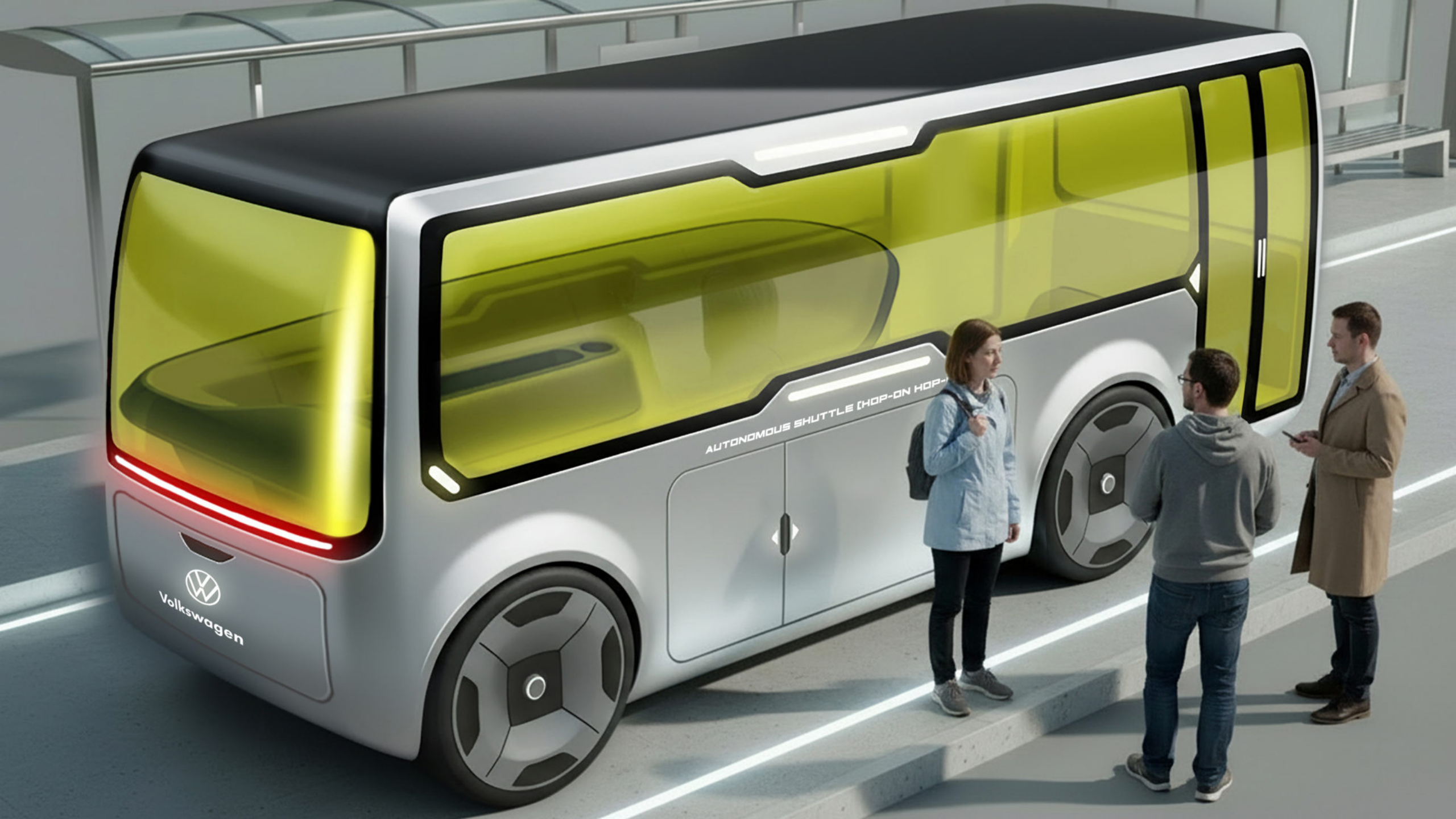




AUTONOMOUS SHUTTLE [HOP-ON HOP-OFF]

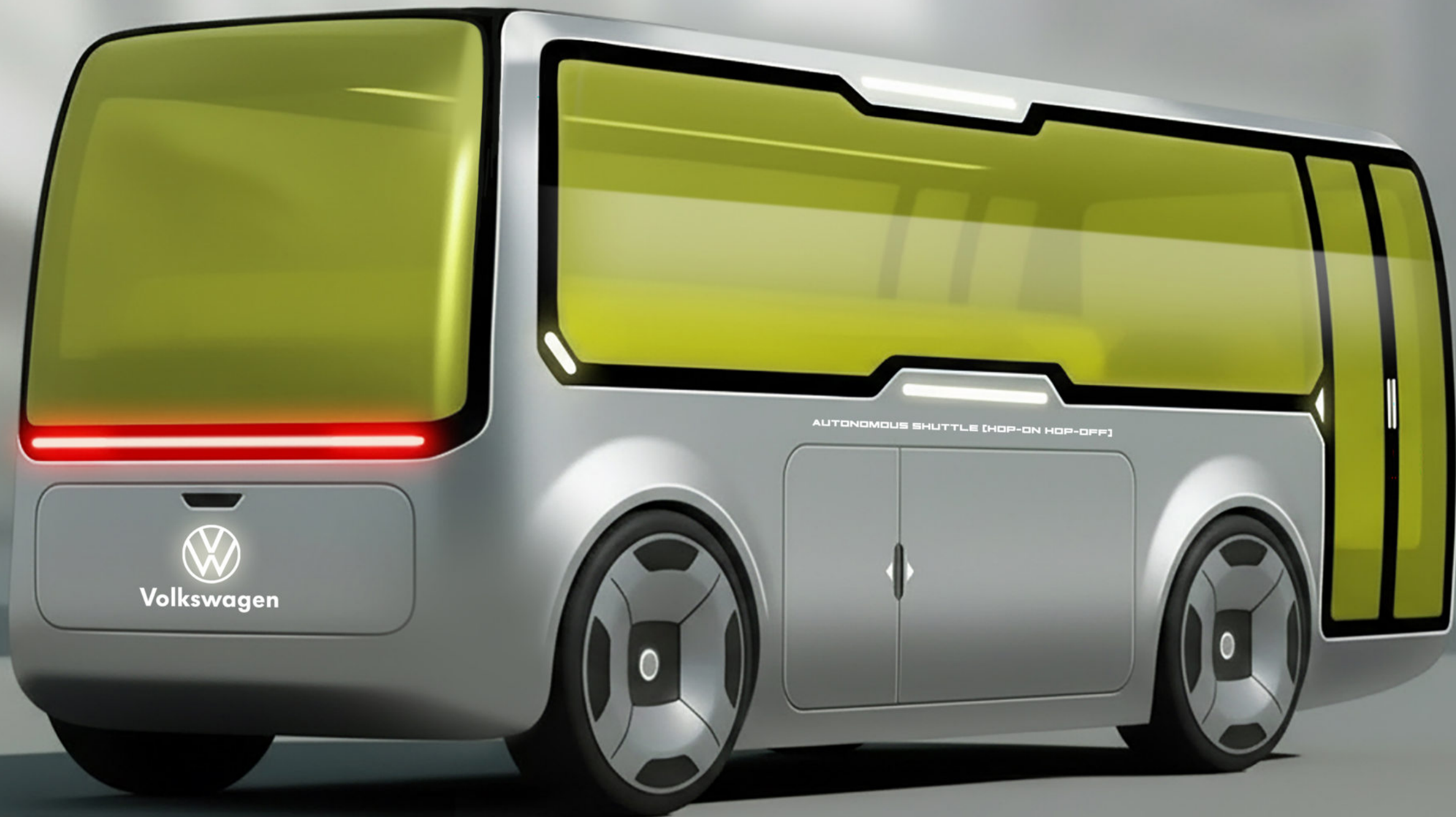


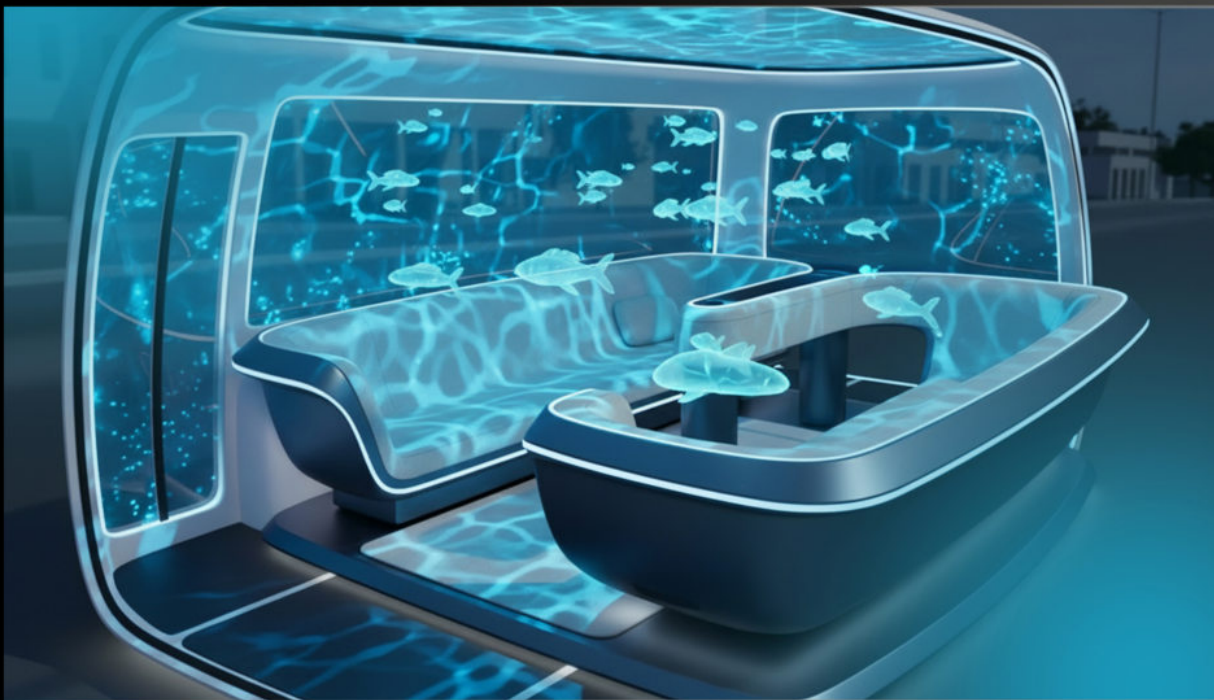


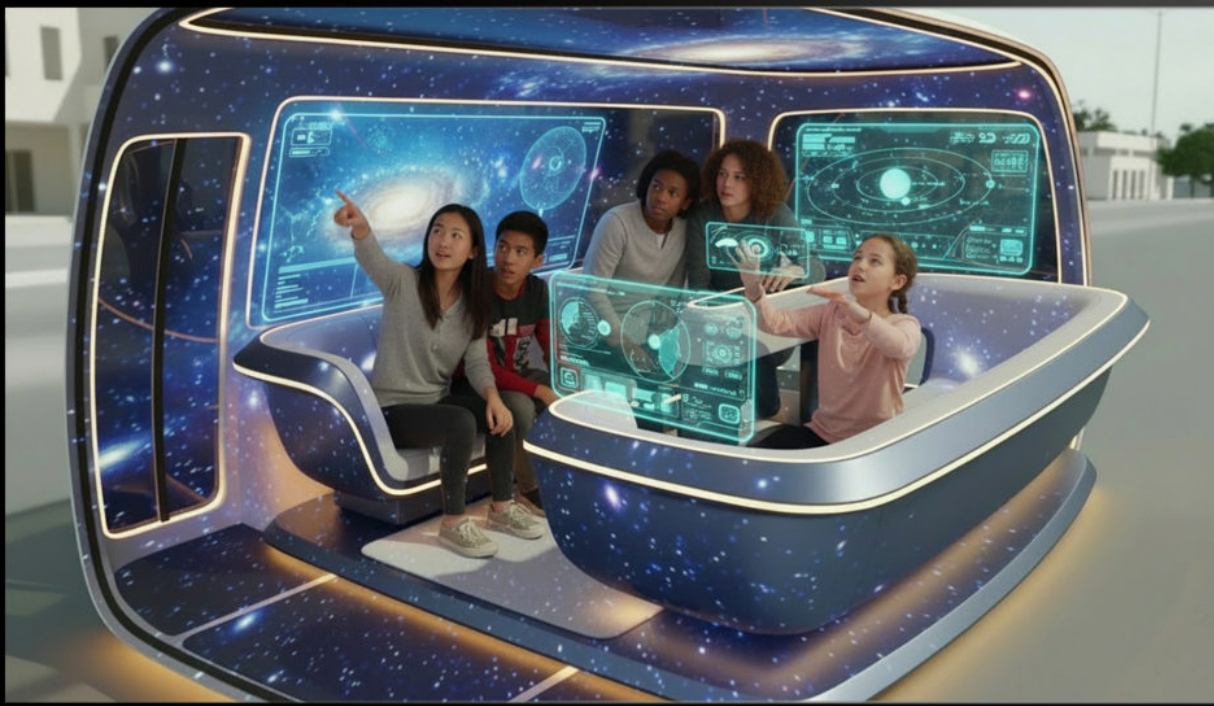


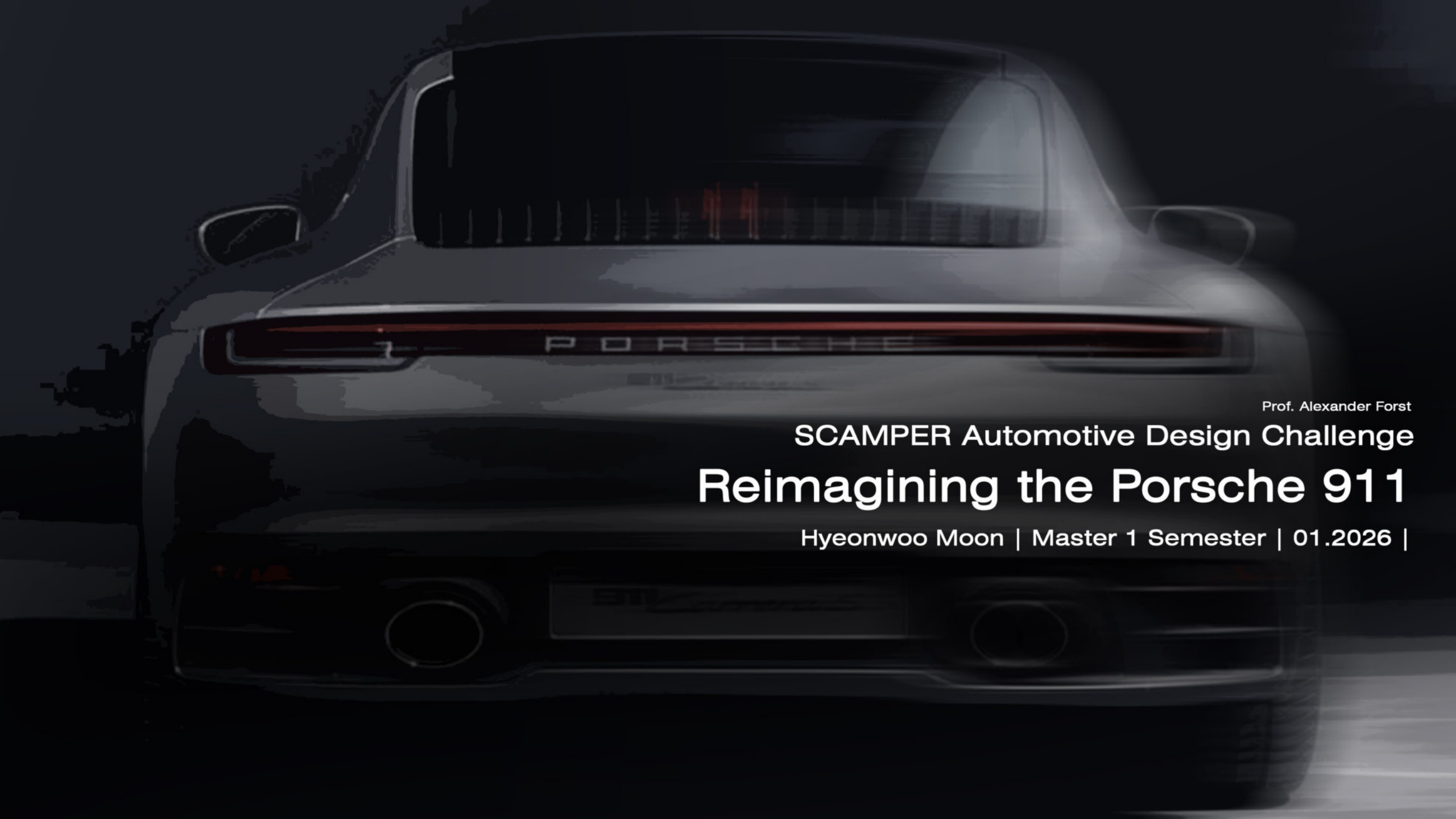
AUTONOMOUS SHUTTLE (HOP-ON HOP-OFF)

Volkswagen









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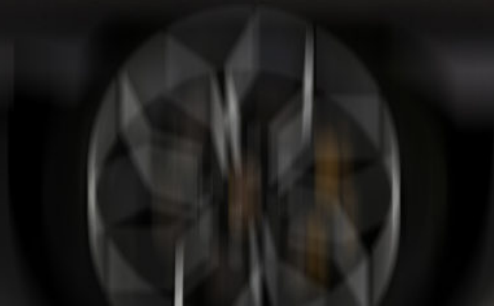
SCAMPER Automotive Design Challenge

Reimagining the Porsche 911

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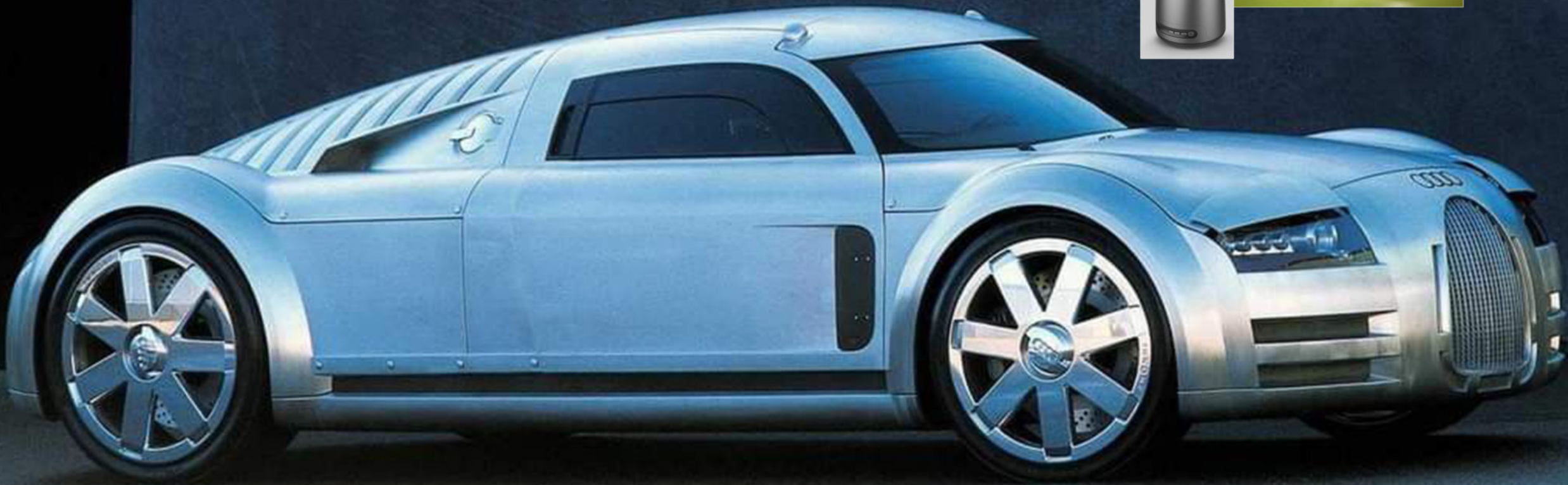
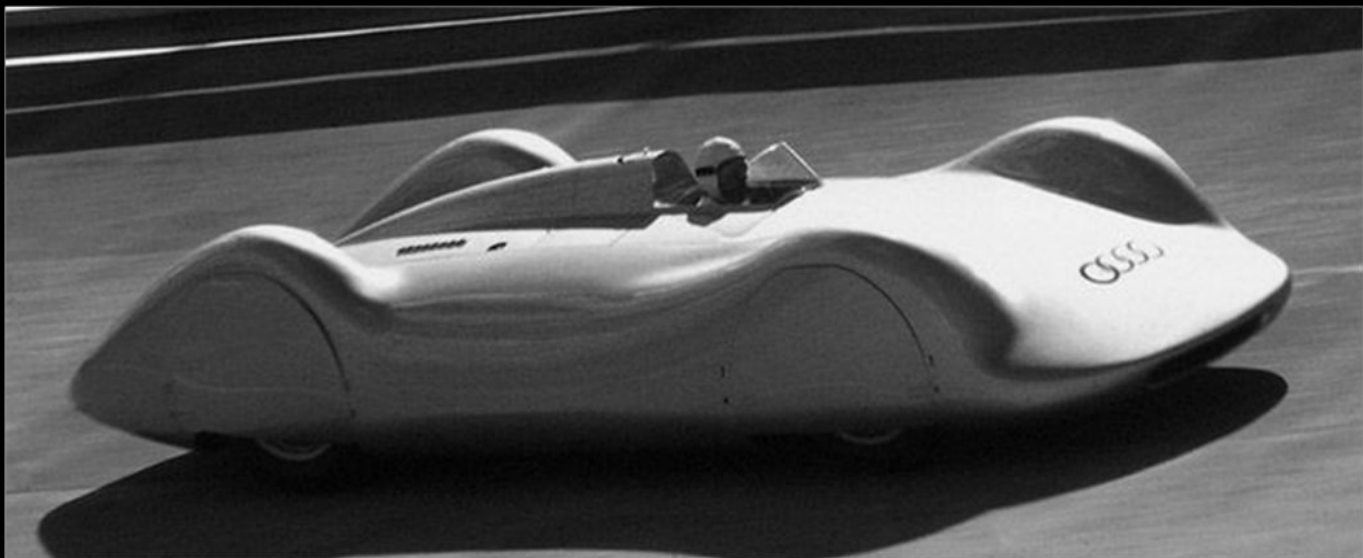


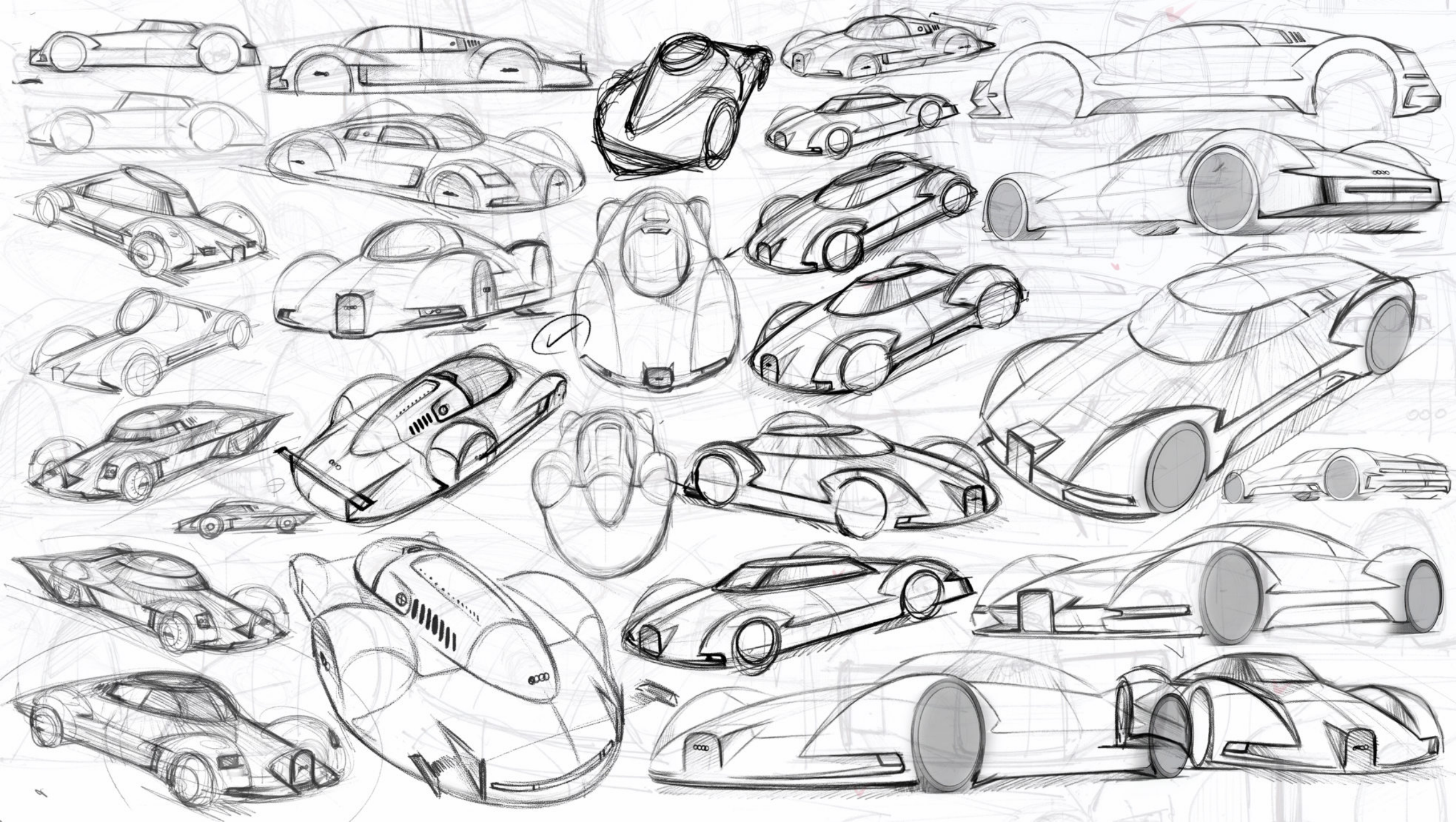
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Task 4 – Open Topic with Rosemeyer in Audi

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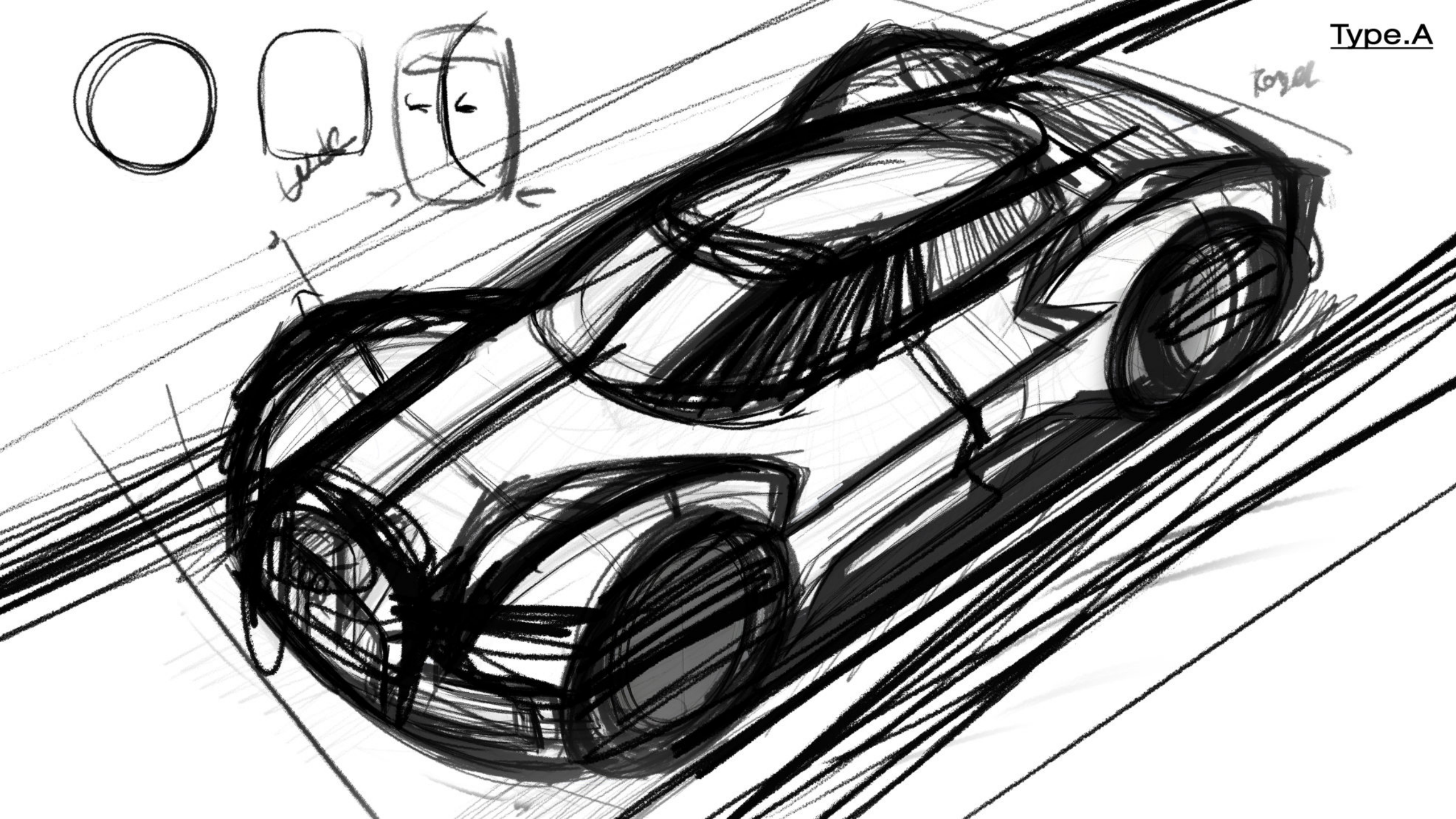


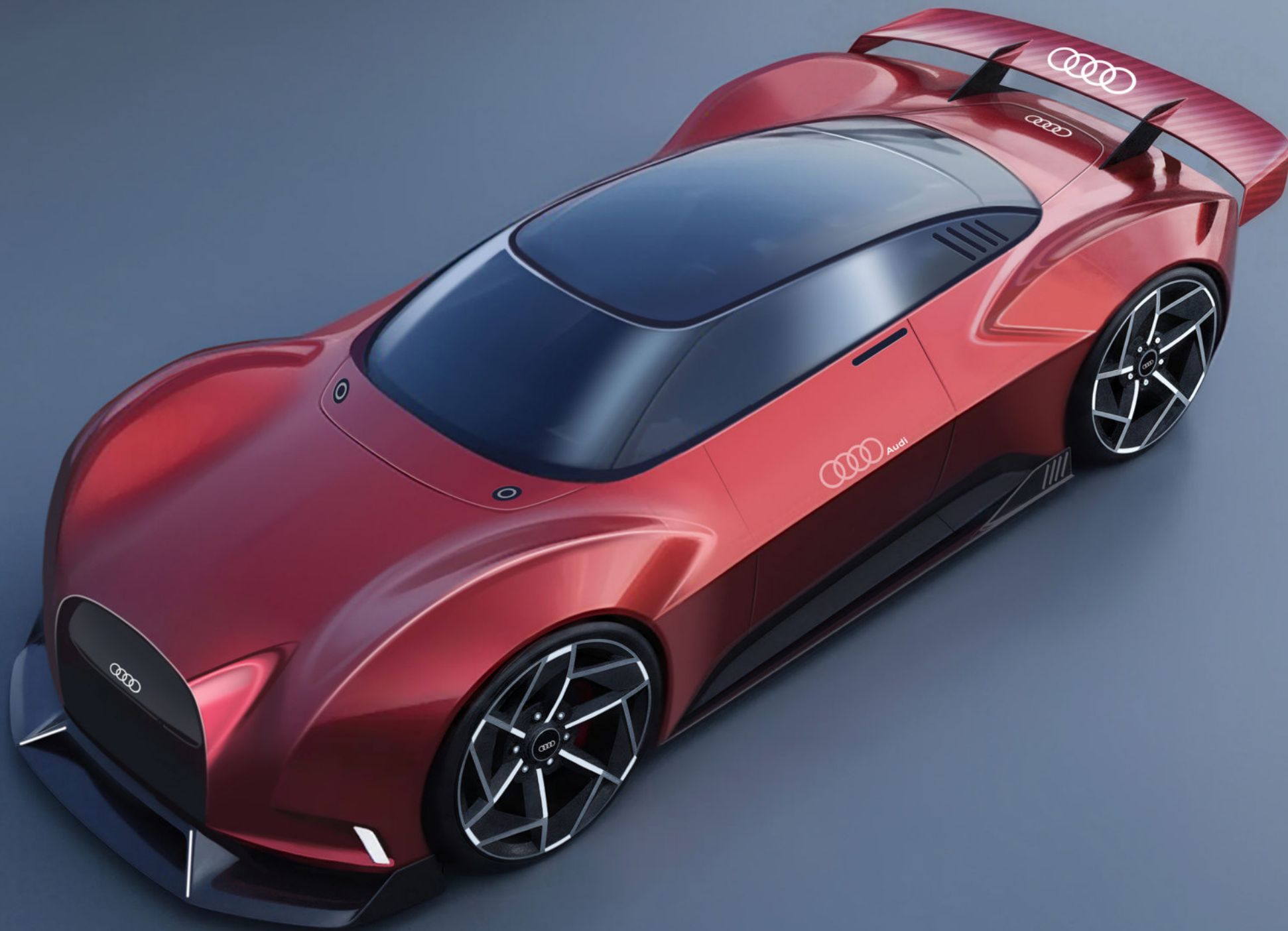
Type.A



Type.A

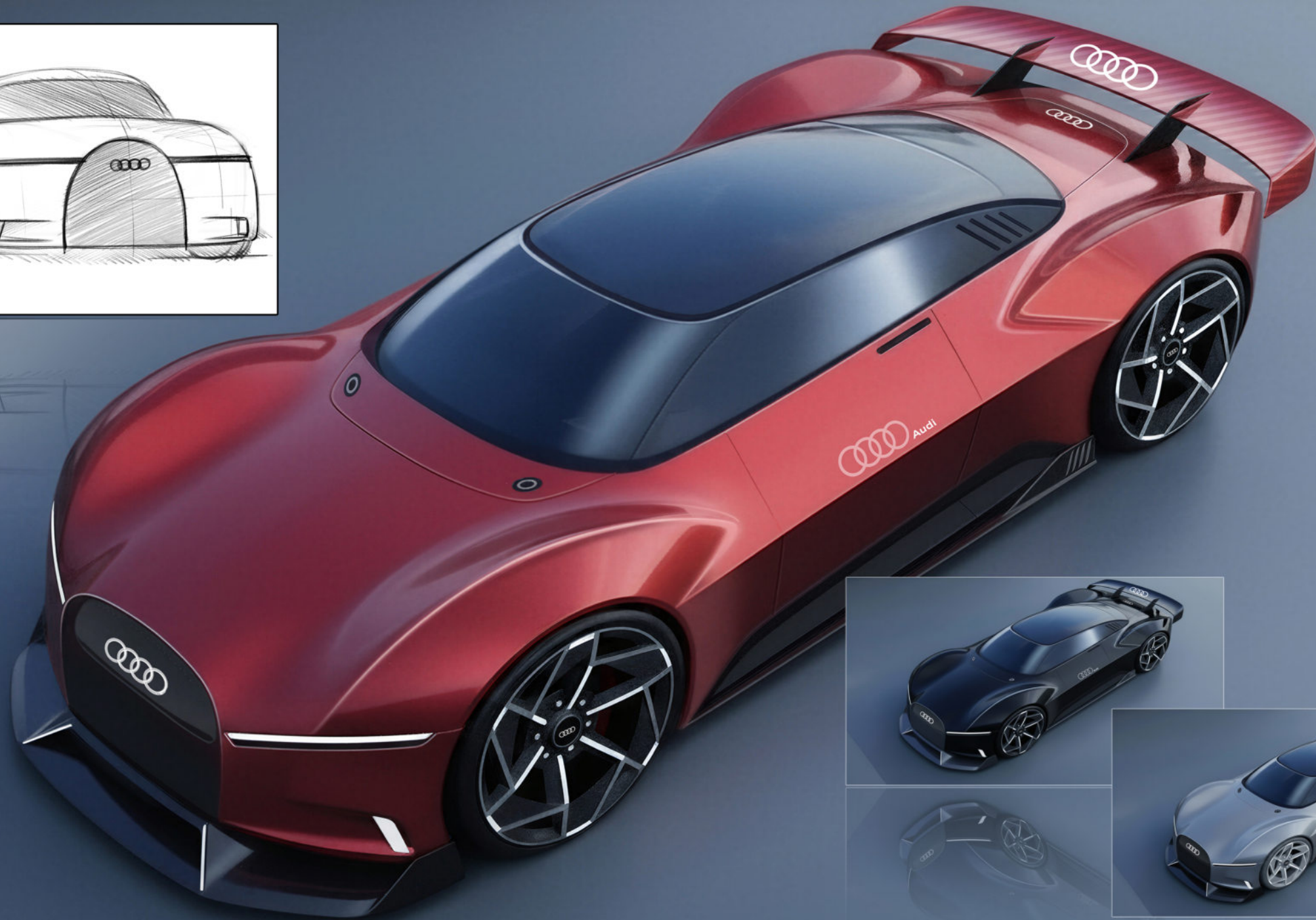
toral



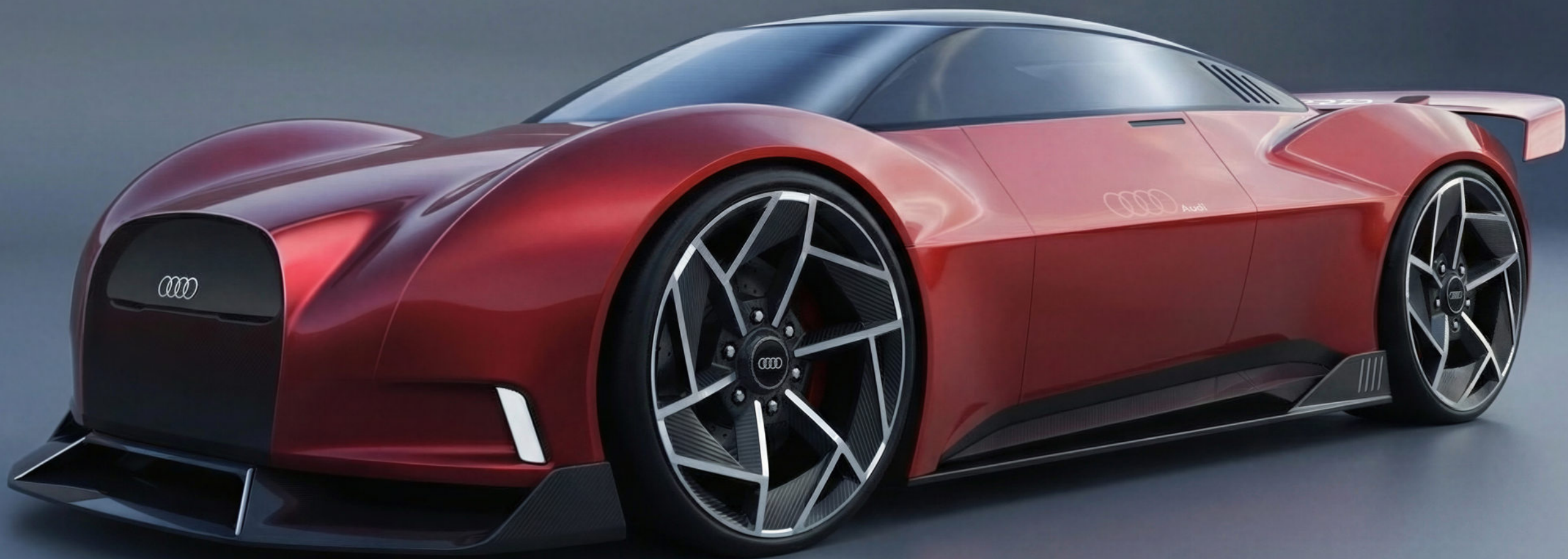


Type.A

Type.A







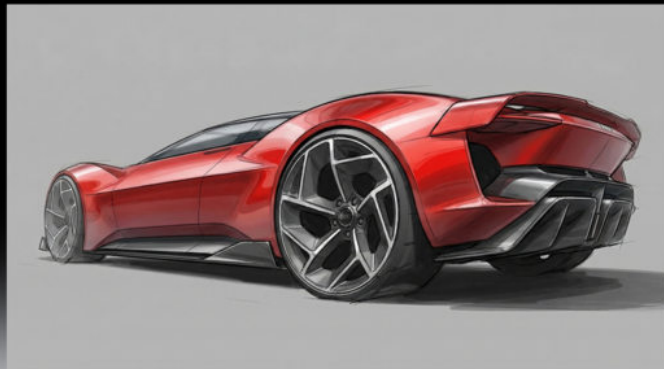
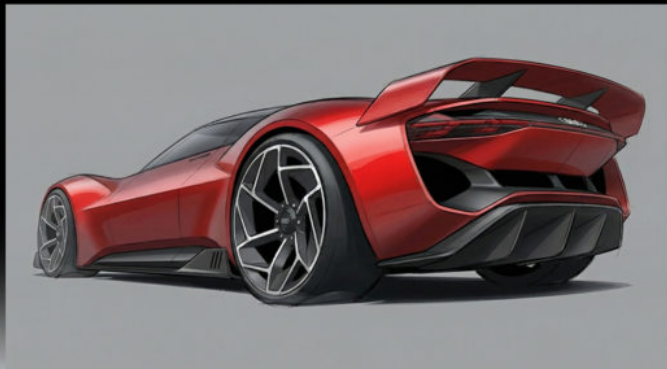


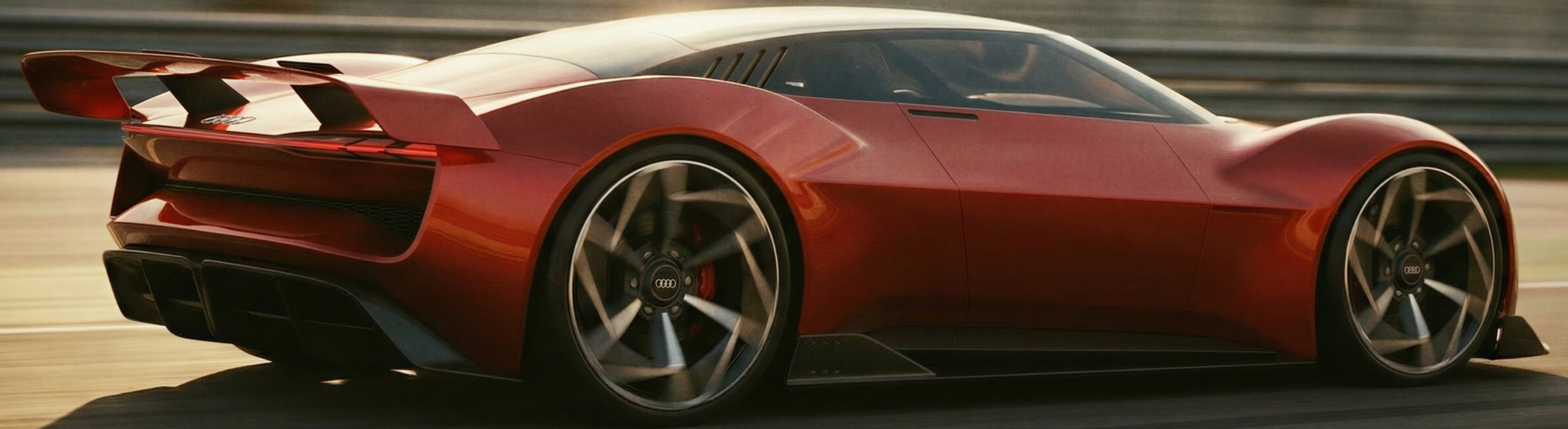


Type.A



Type.A







Type.A



Type.A



Type.A



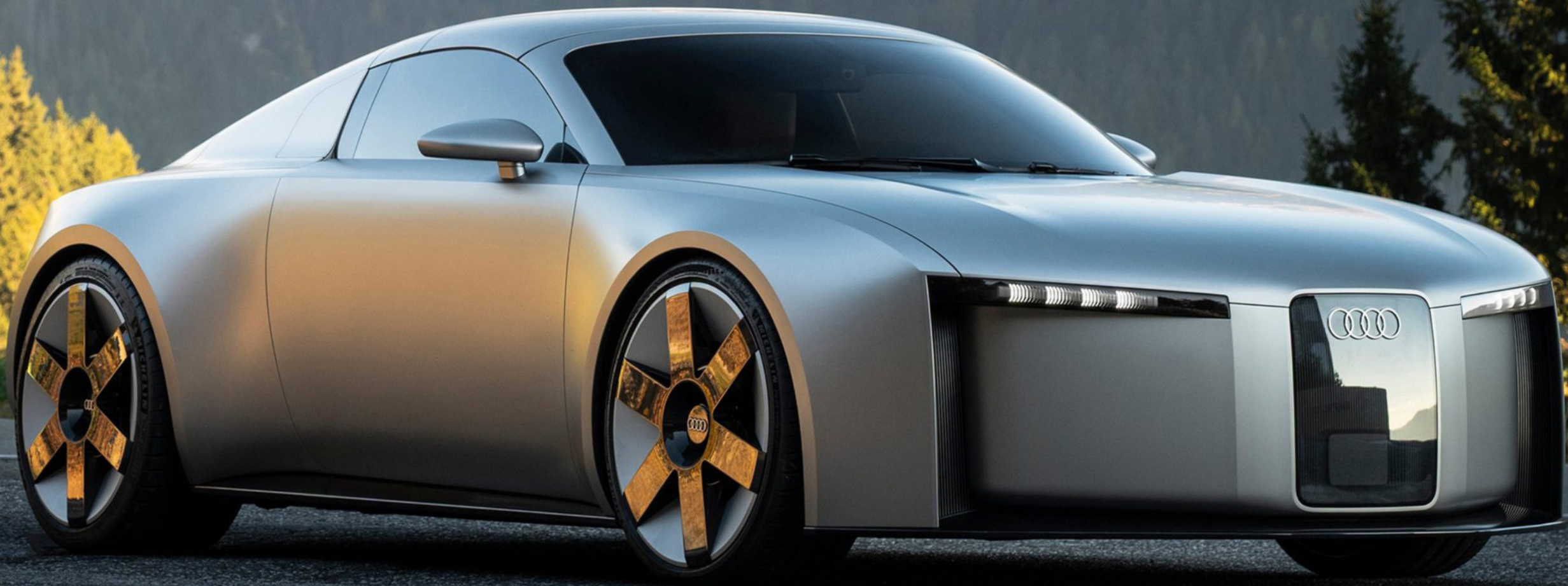


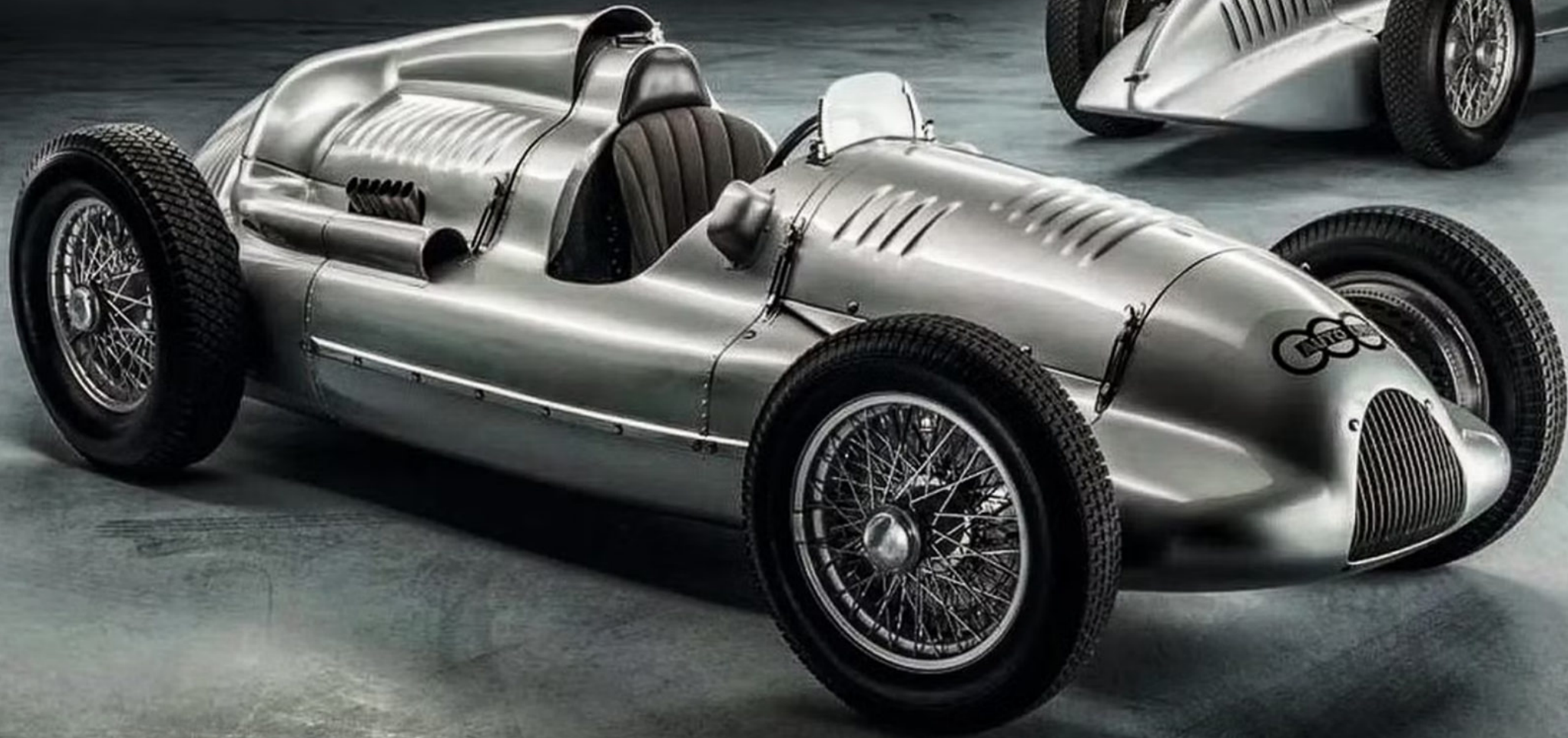


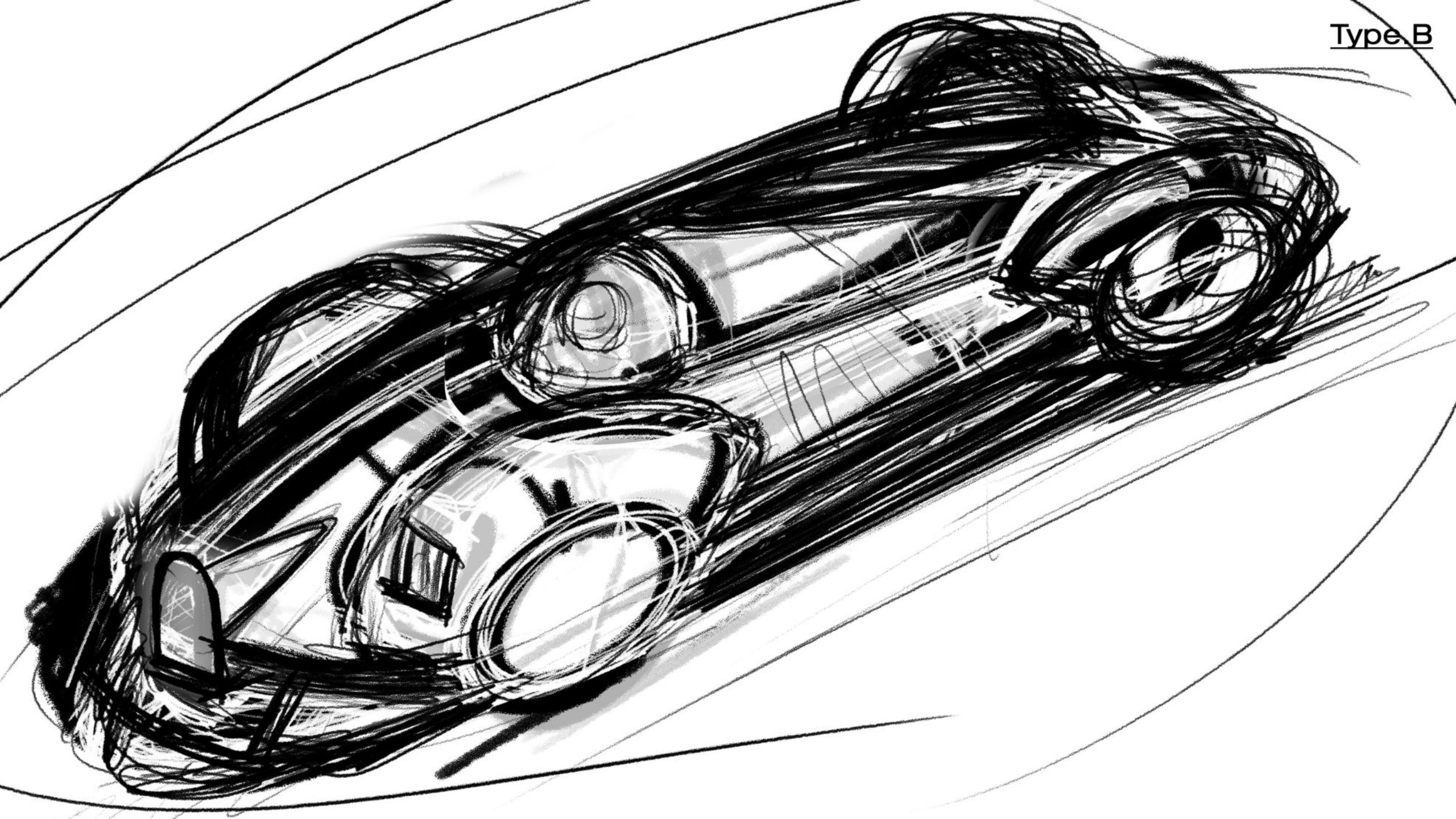


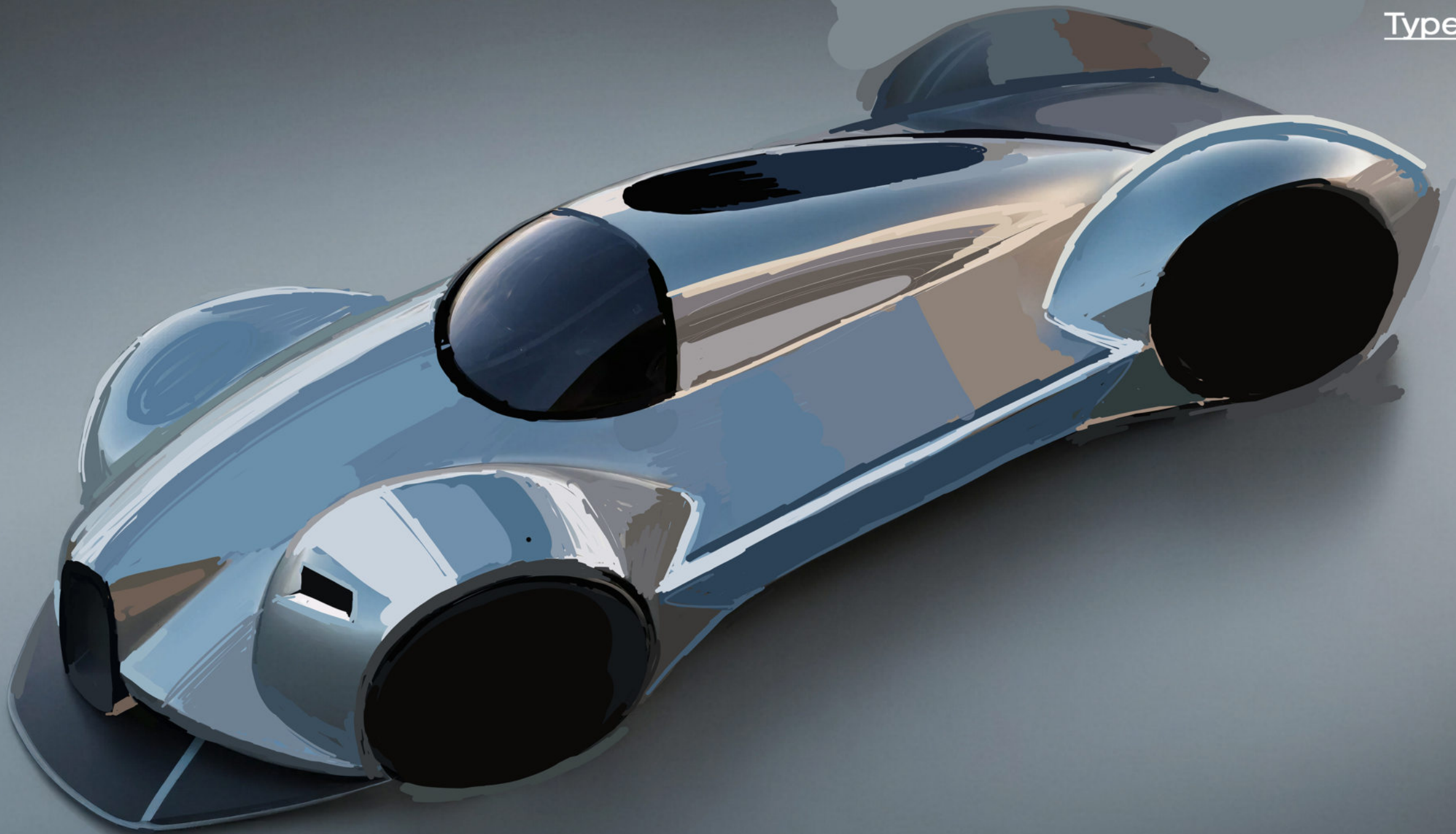


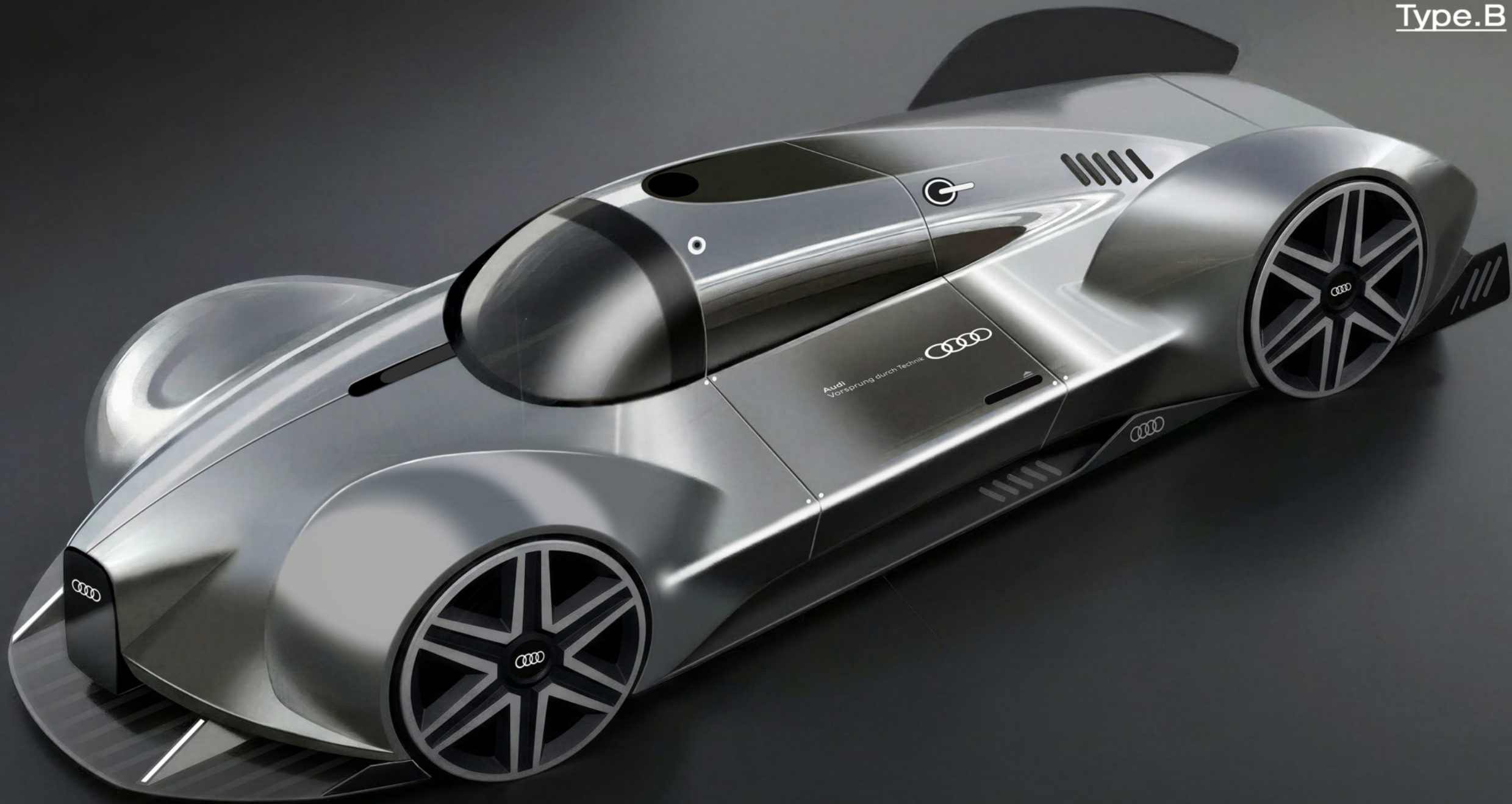






















Type B











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