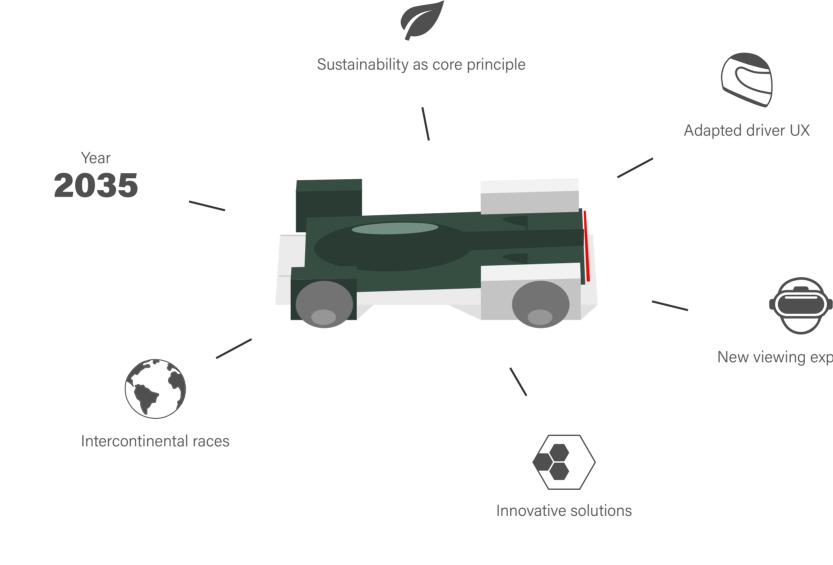
Francis L'Ecuyer

Intercontinental Hydrogen Endurance Racing Car



How can motorsport in 2035 adapt to a shifting cultural behaviour and become more environmentally and socially sustainable while maintaining a strong and involved fanbase?





WHY ▶







New viewing experience



Profitability of evolving business

PERSONAS

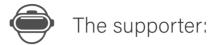


The driver:



Age: 20 - 40 years old Income: High Lifestyle: Active lifestyle, influencer Interests: Sports, cars, travel

- Winning mentality
- Performance driven
- Long stints
- Star driver
- Connexion to the car





Age: 15 - 45 years old Income: Varied Lifestyle: Connected, sustainable, loyal Interests: Motorsport, music, entertainment



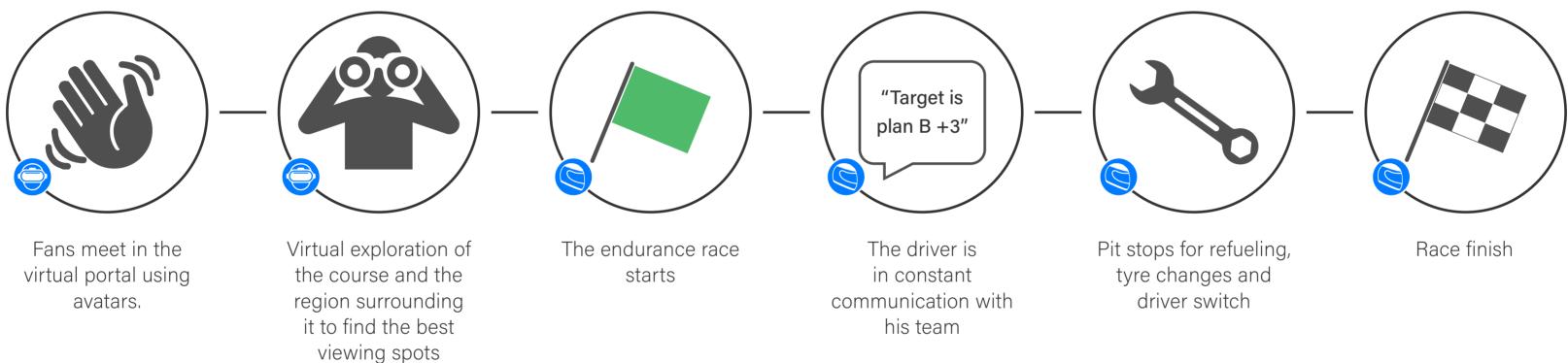


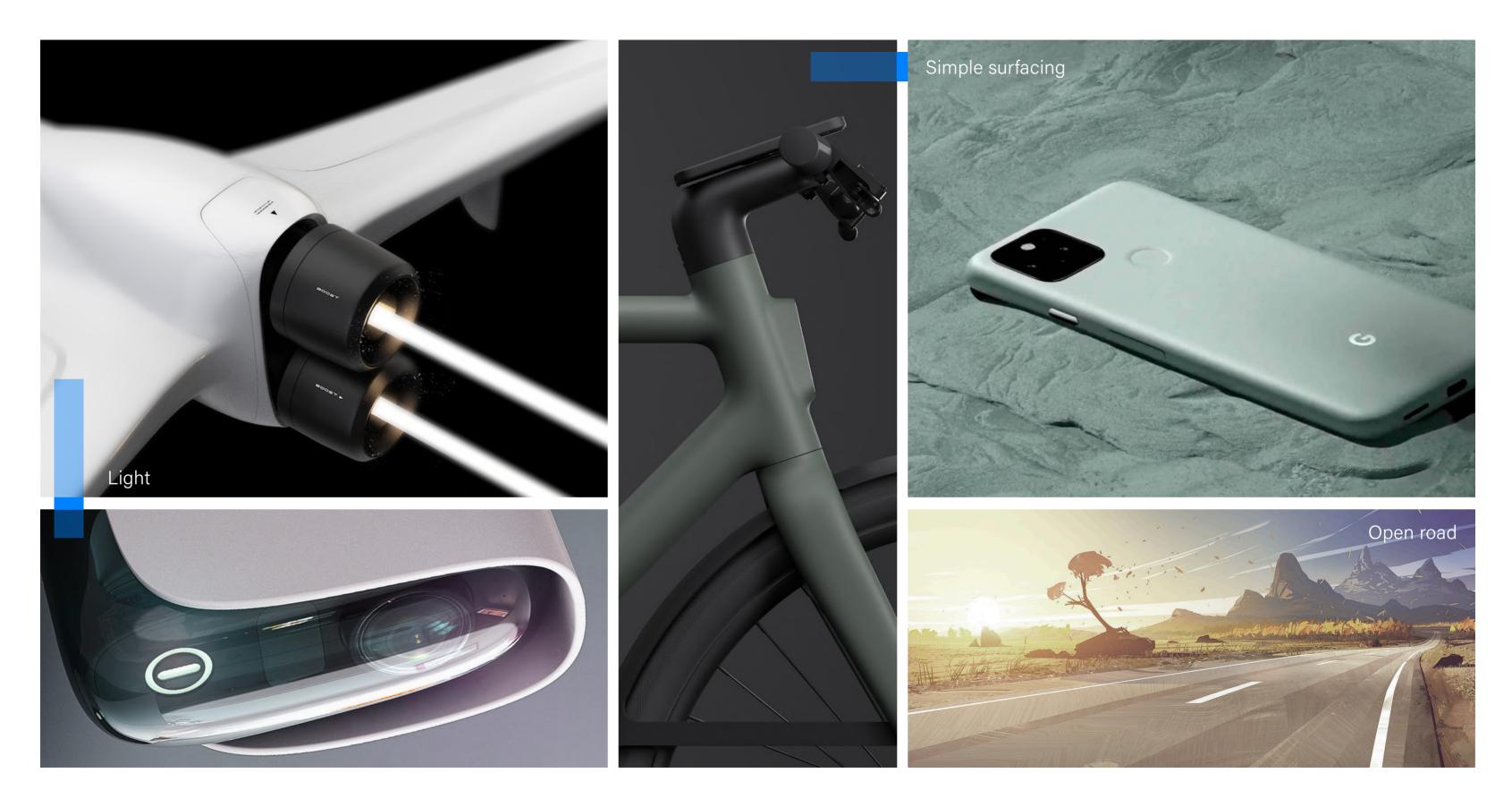


- Online community
- ▶ Virtual race attendance
- Part of the team
- Virtually explore region
- Sustainability

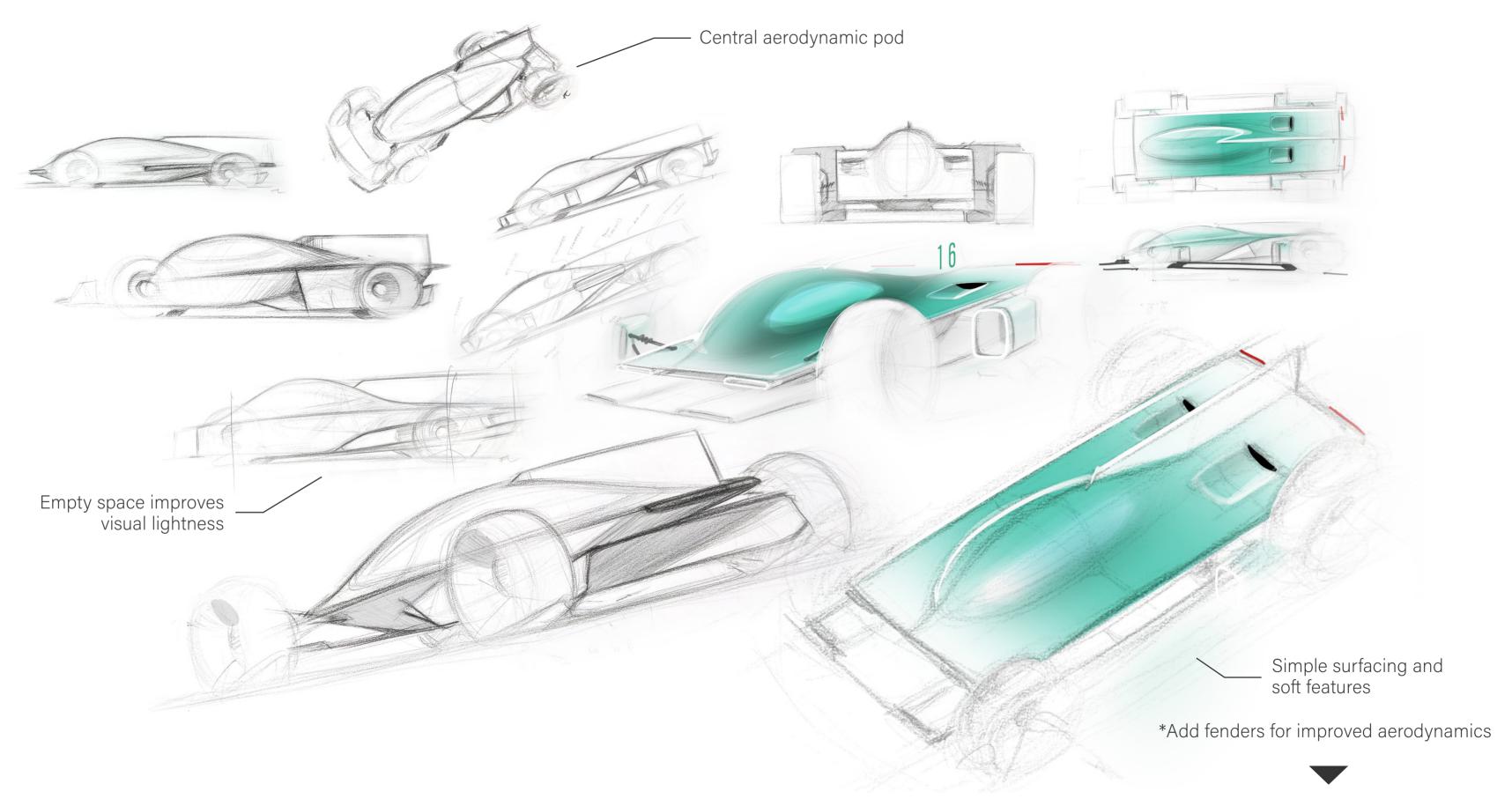
STORY

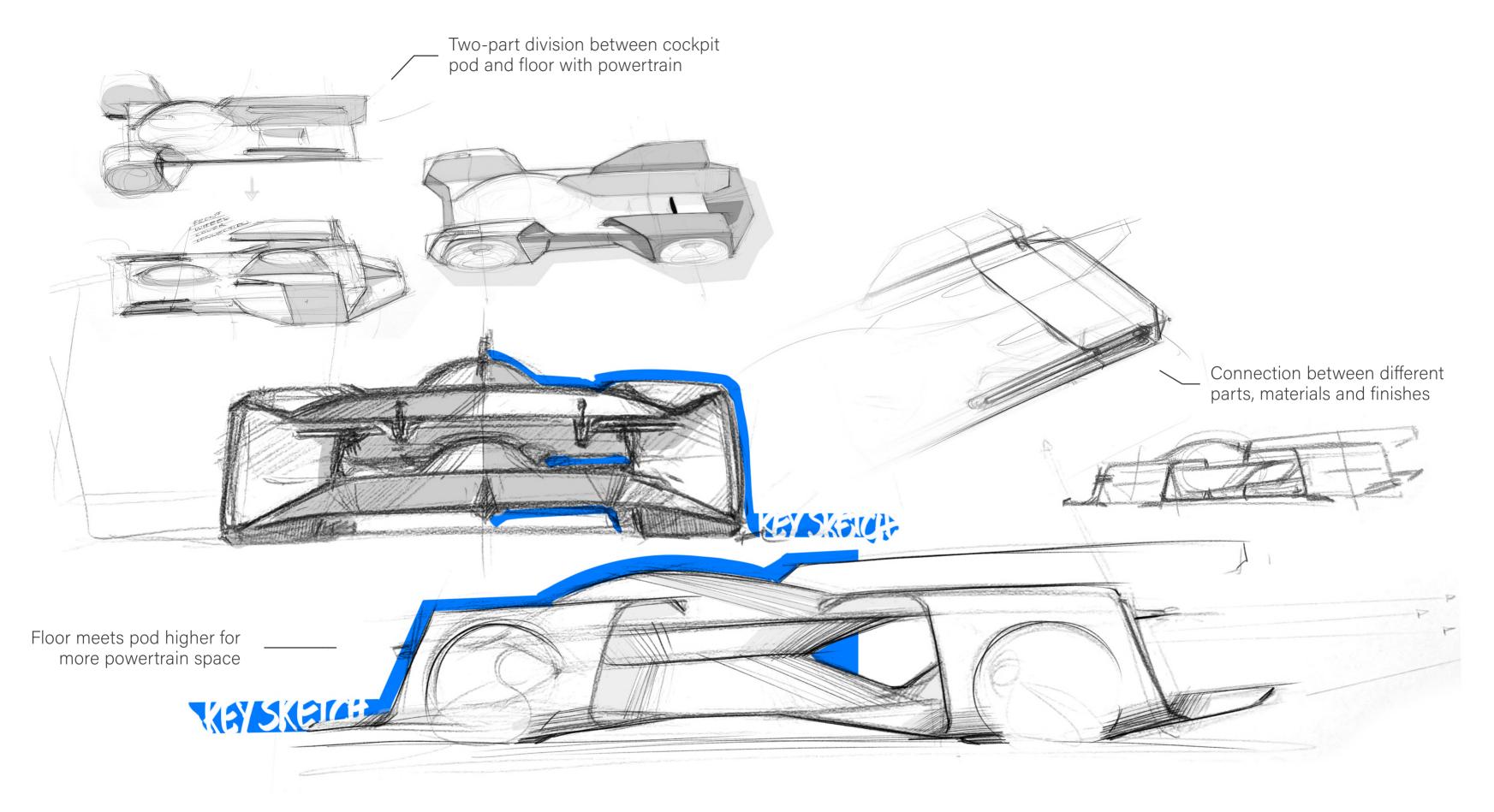
The increasingly popular virtual reality technology offers a great opportunity to bring supporters closer to the action and allow them to visit the different regions in which the series takes place.



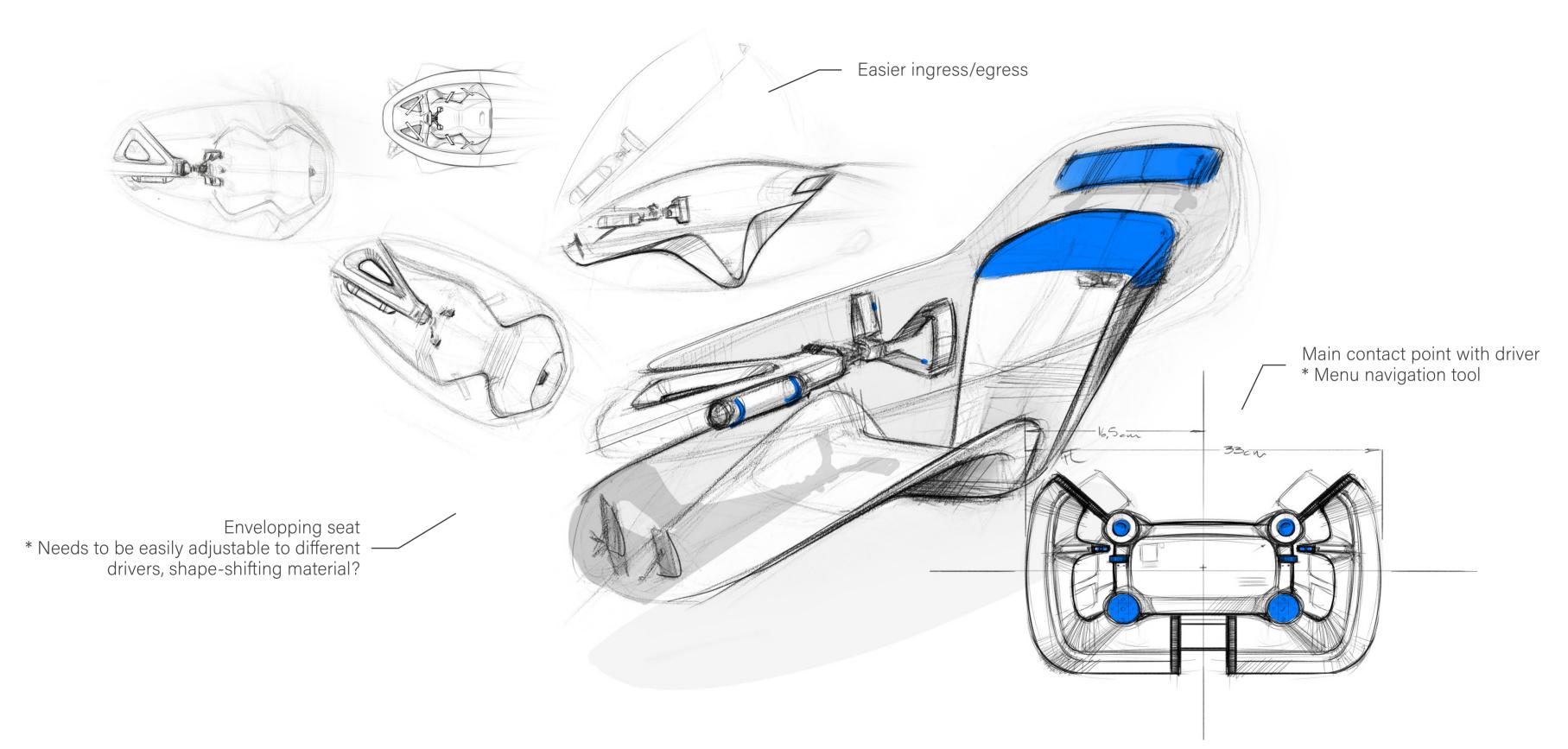


INSPIRATION BOARD

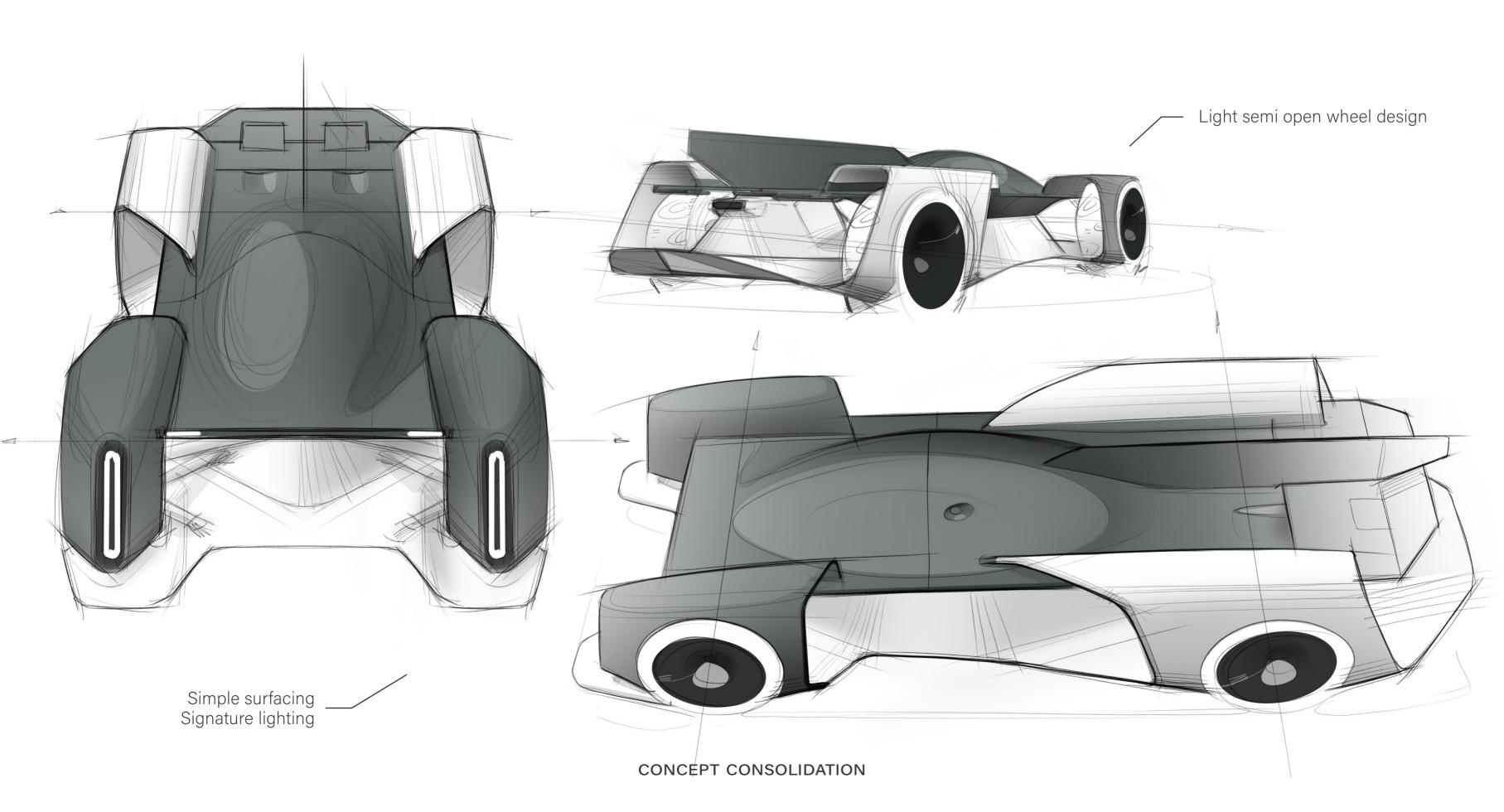




CONCEPT DEVELOPMENT



INTERIOR DEVELOPMENT



EXTERIOR CMF

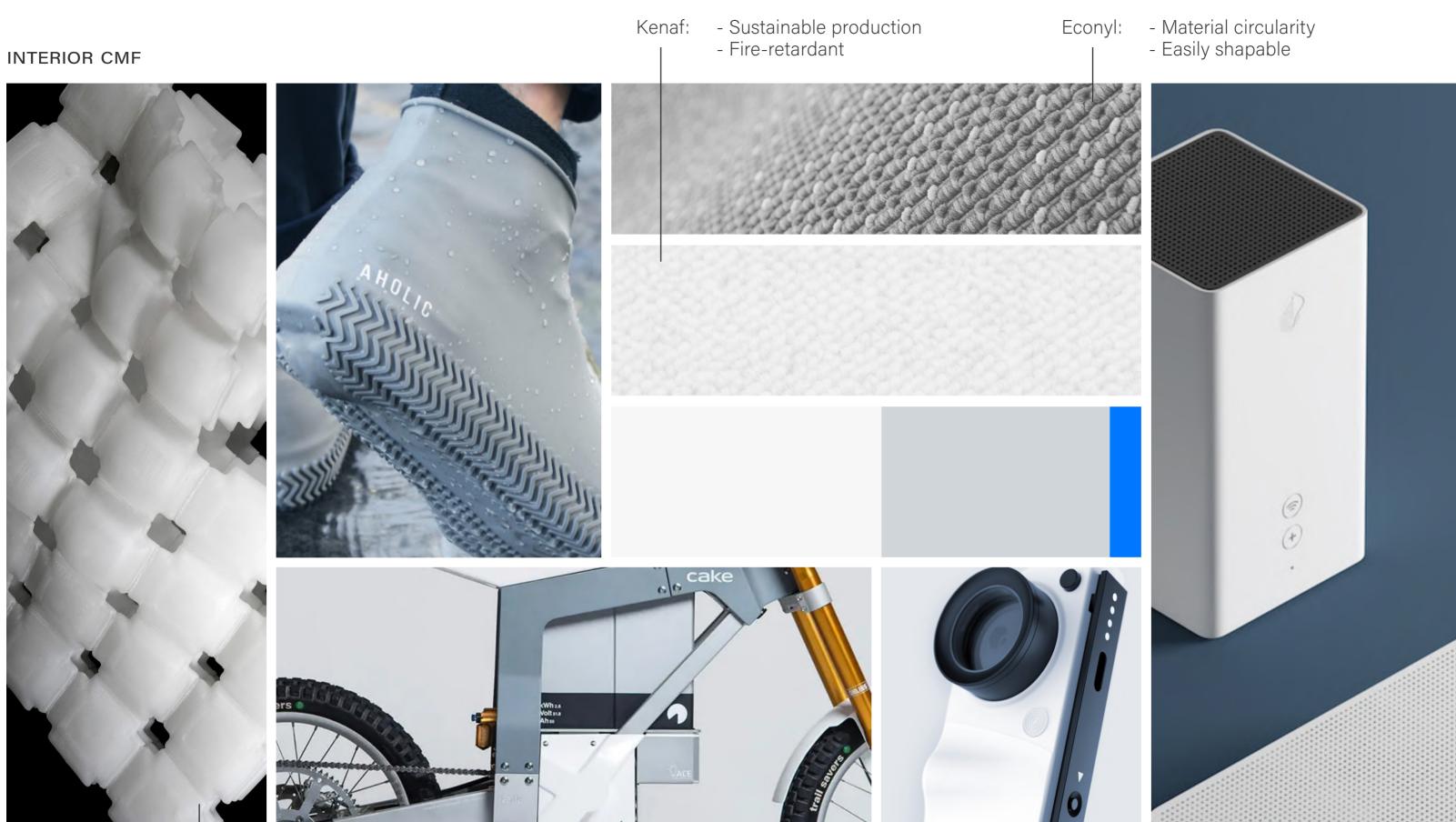


Vibrant graphics

- Graphene reinforcement - Material circularity Reinforced recycled plastic:

Layerd graphene sheet bodywork:

- Controlled transparency
 Sustainable production
 Light



Shape-shifting

3D printed inflatable Can adjust to drivers measurments

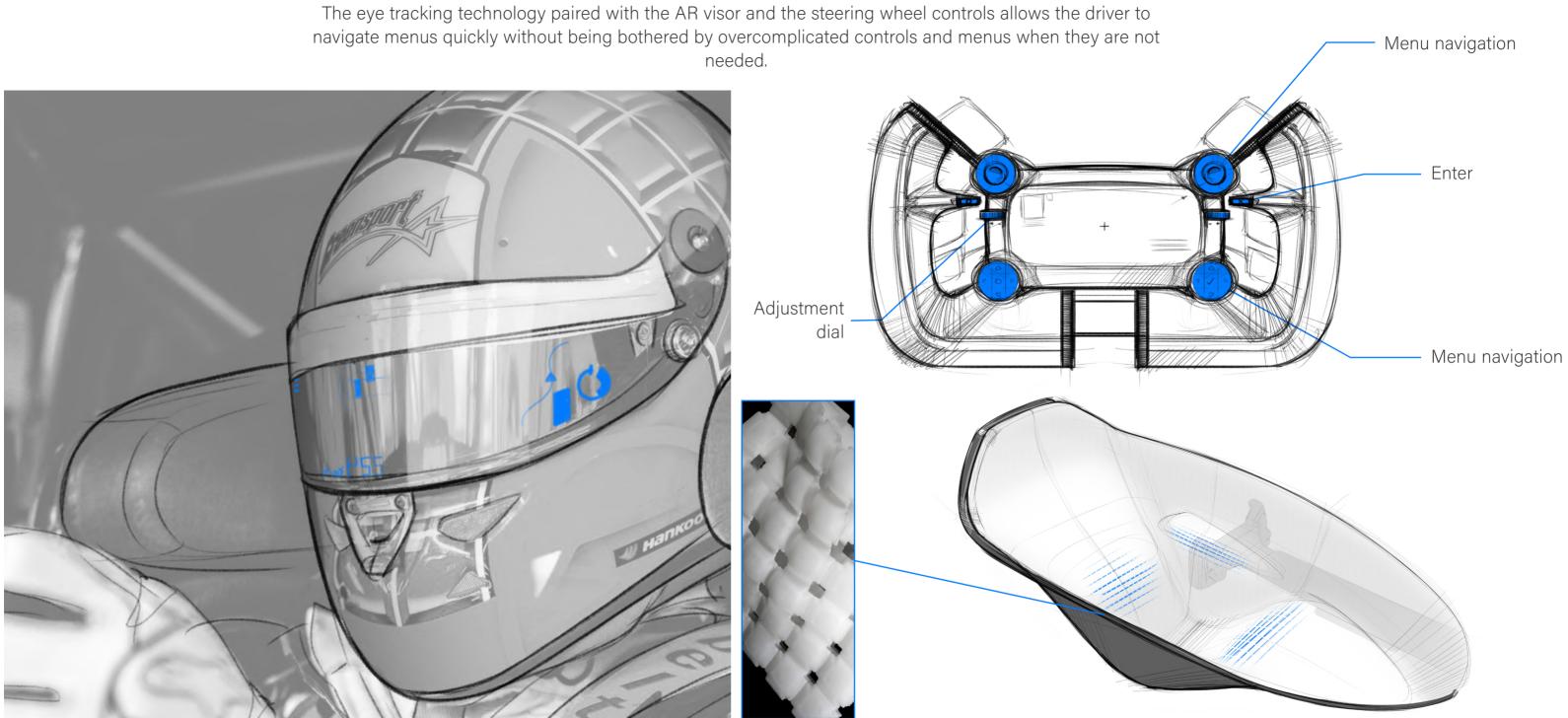
SPECTATOR EXPERIENCE



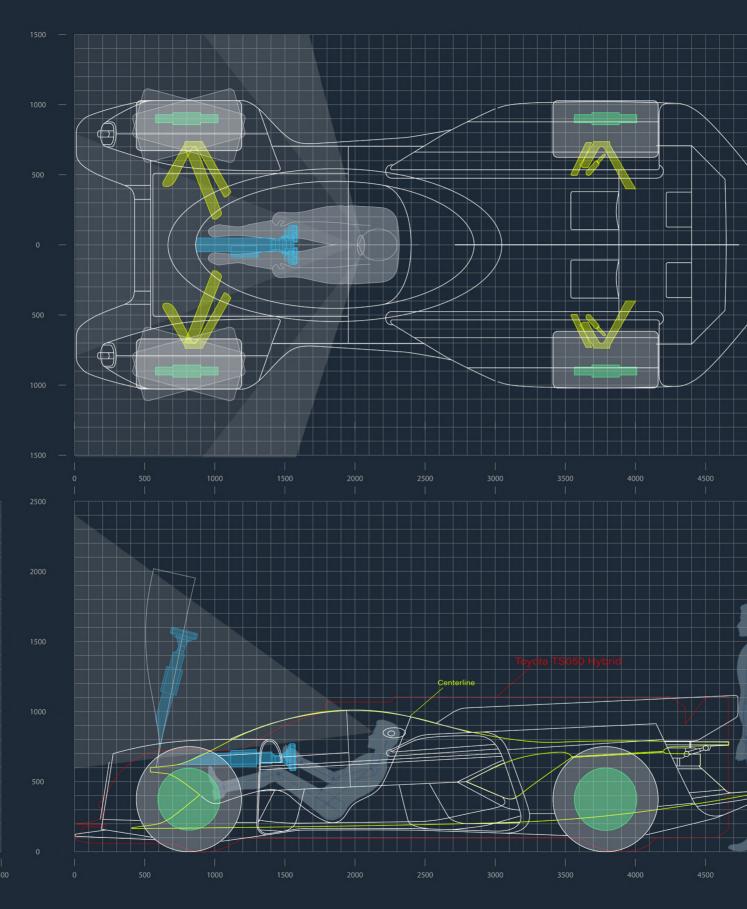
The race viewing VR system not only allows spectators to attend the race like they were there but also to explore the region in which the race takes place prior to the event.

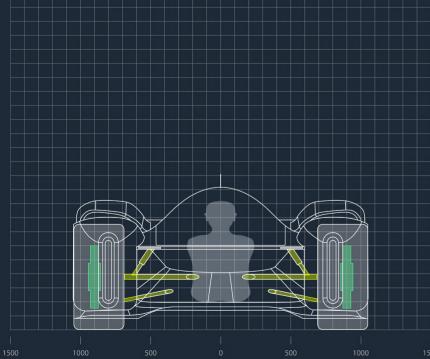
DRIVING EXPERIENCE

needed.

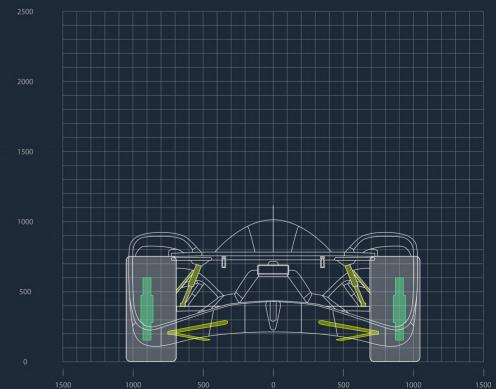


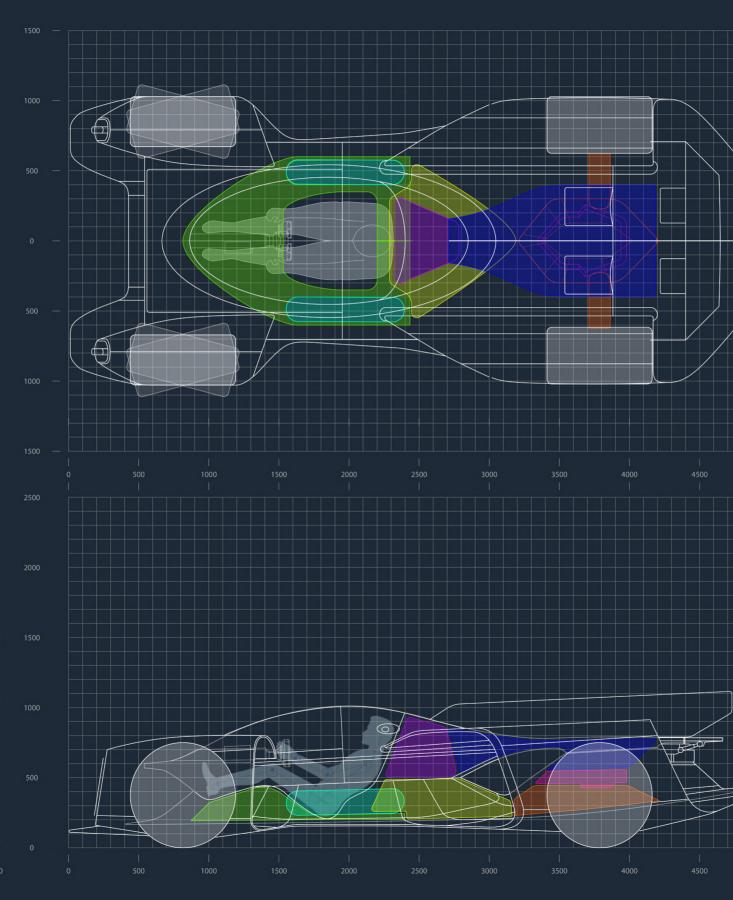
The inflatable micro-cushions under the textile layer have presets saved for every driver, negating the need to adjust the seat during driver switches

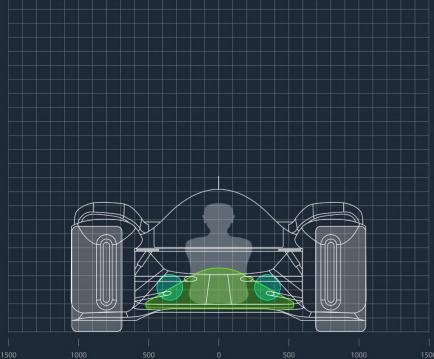


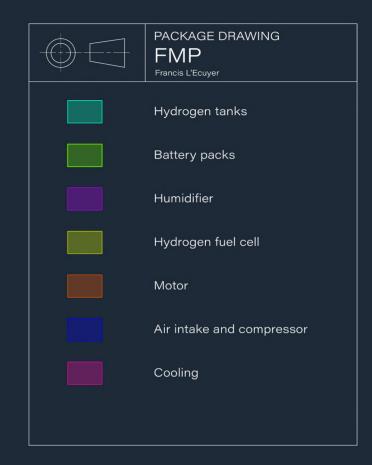


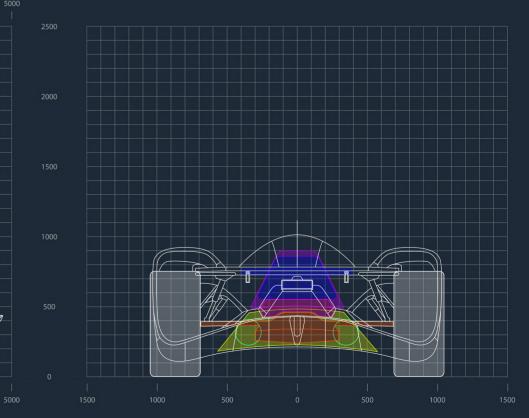


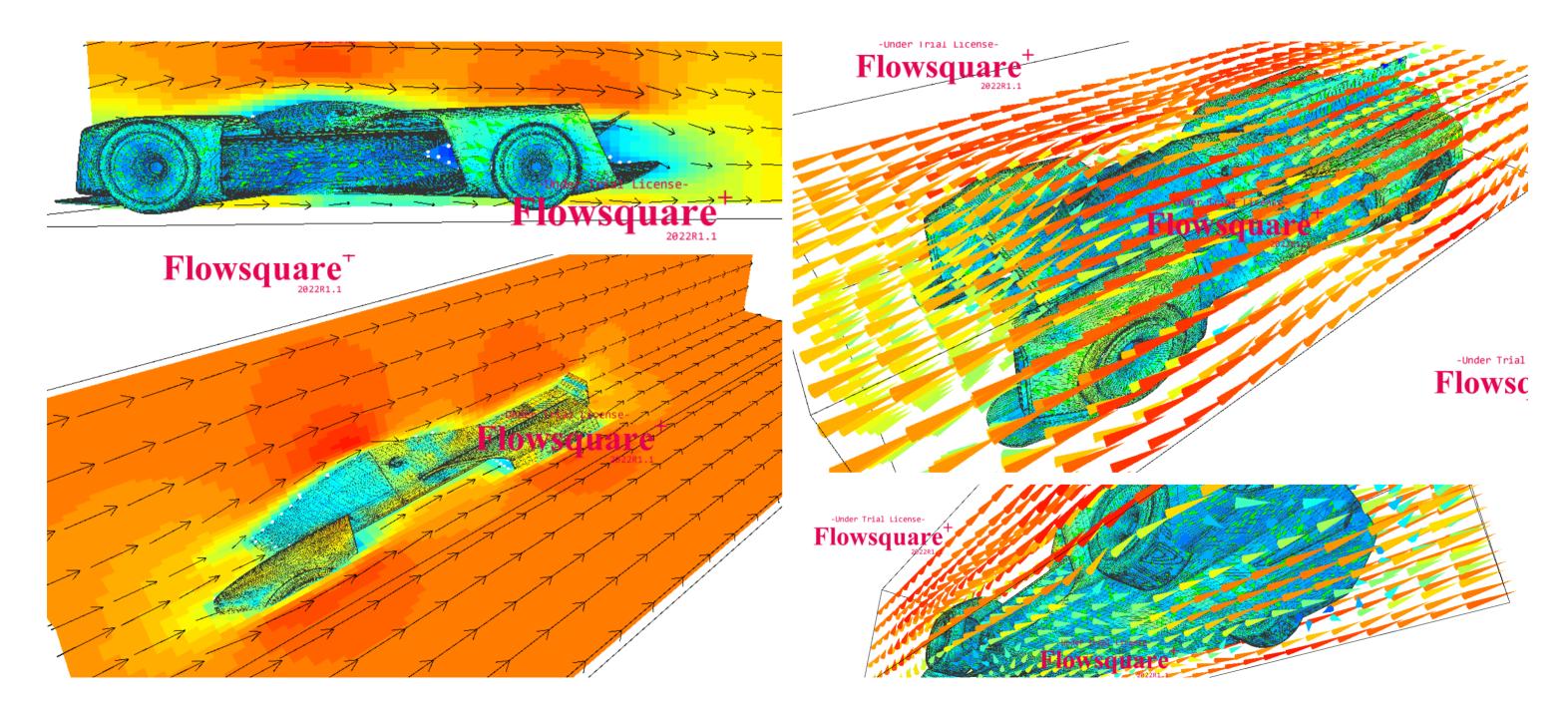




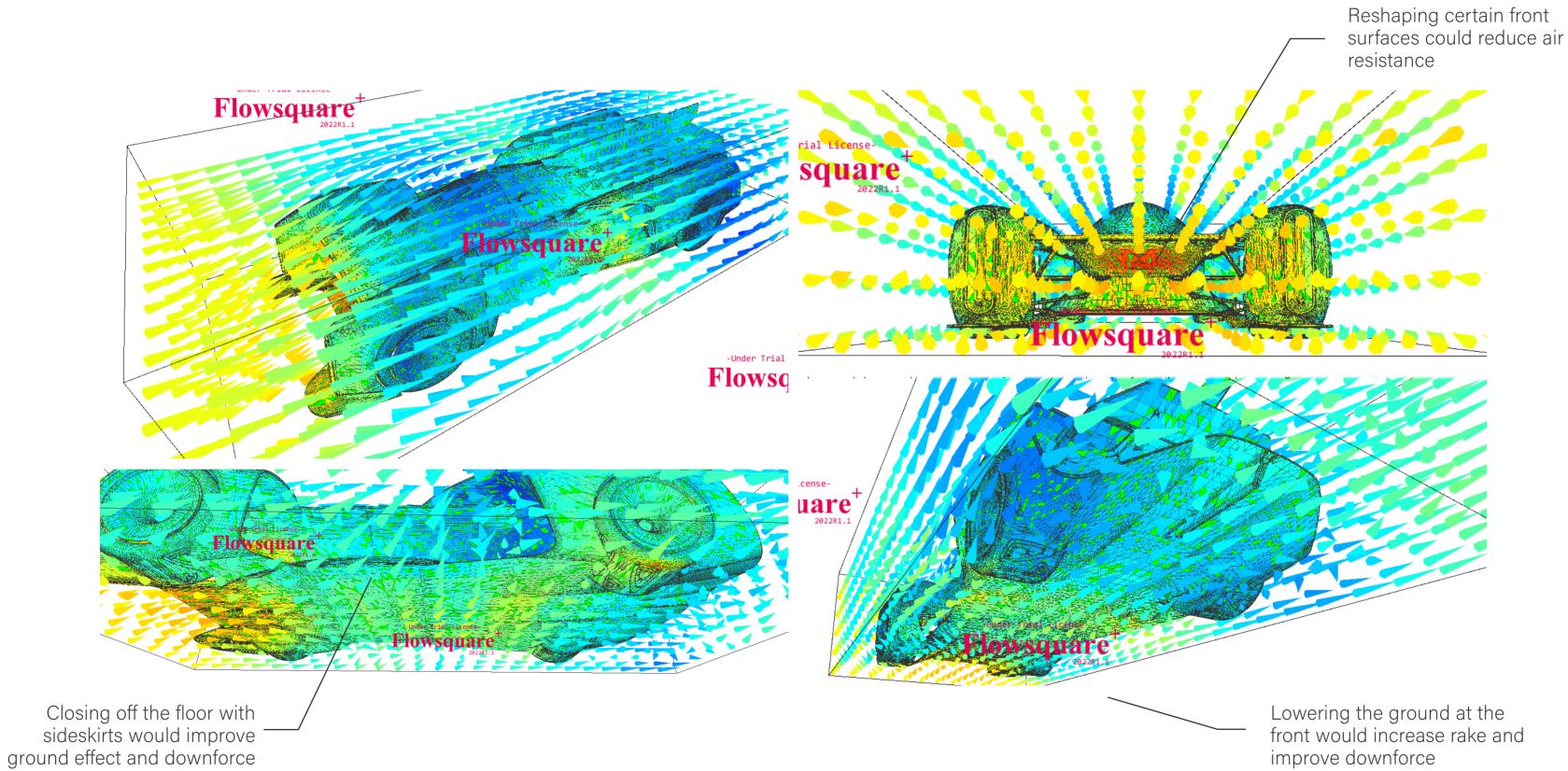






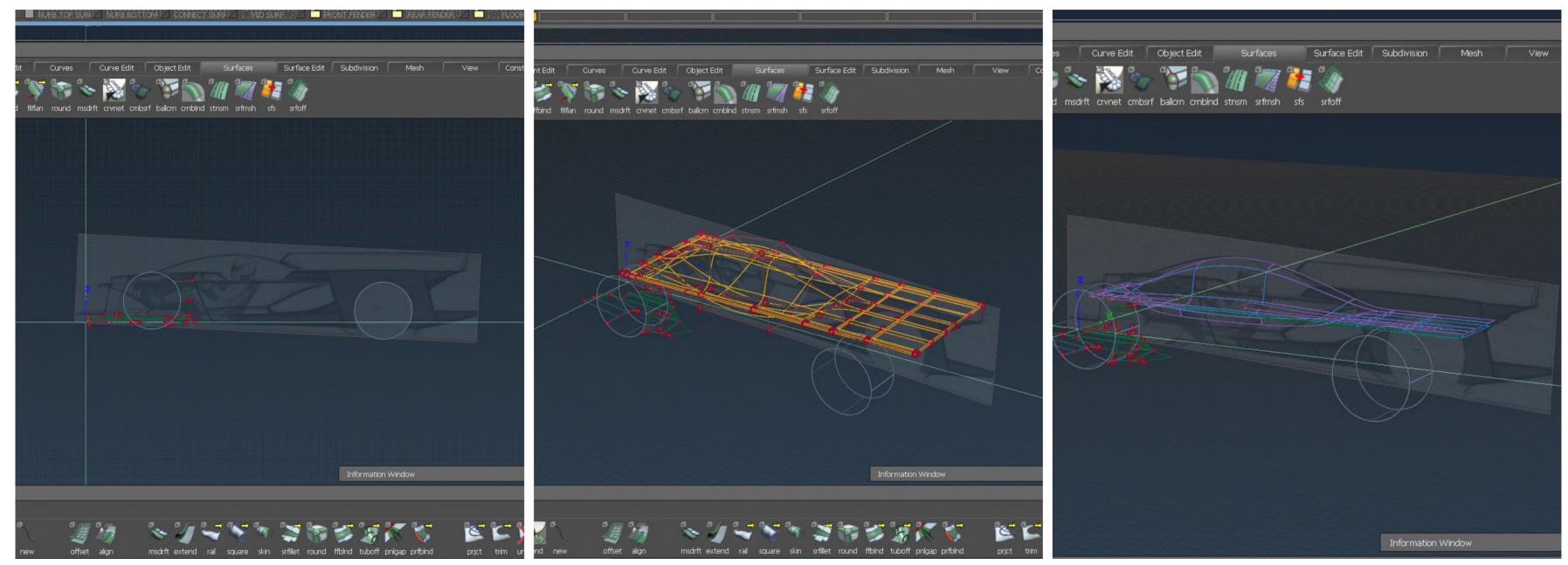


The drag seems adequate but the concept could benefit for directing the air through the tunnel more efficiently.



Lowering the ground at the front would increase rake and

3D DEVELOPMENT PROCESS

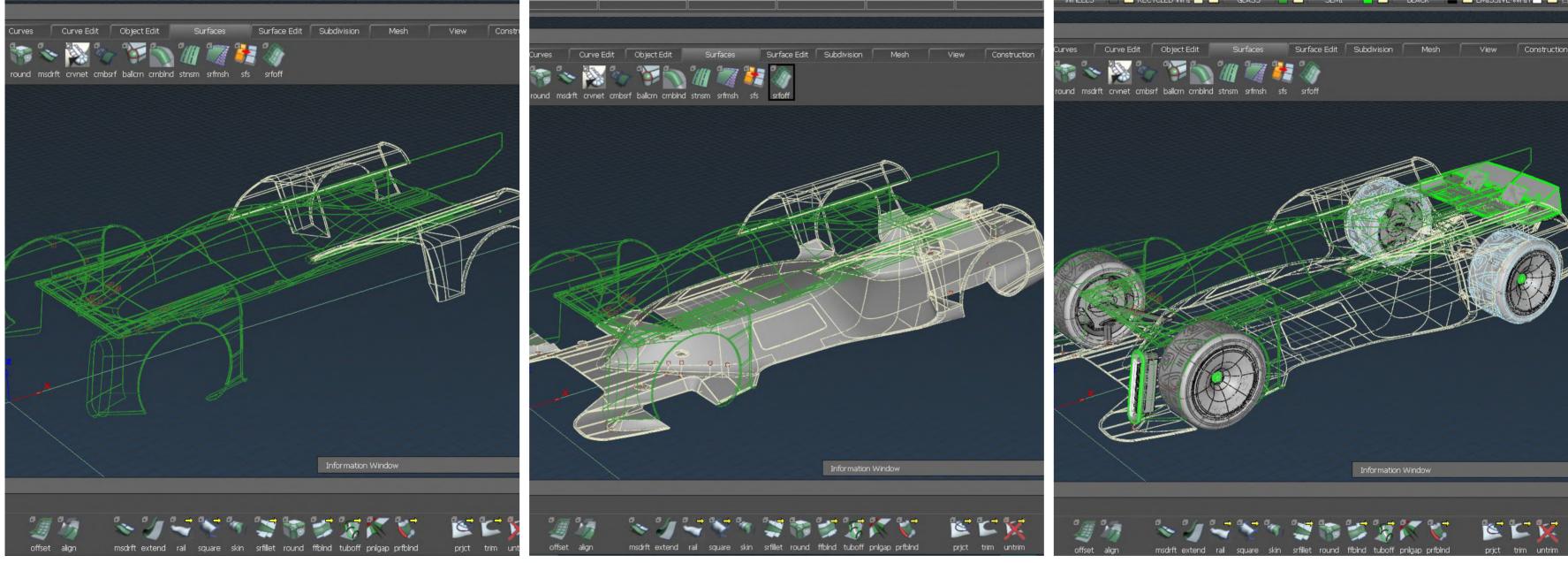


1 - Added canvas and basic curves

2 - Created subdivison mesh for the central pod surfaces

3 - Converted the subd mesh into nurb based surfaces

3D DEVELOPMENT PROCESS

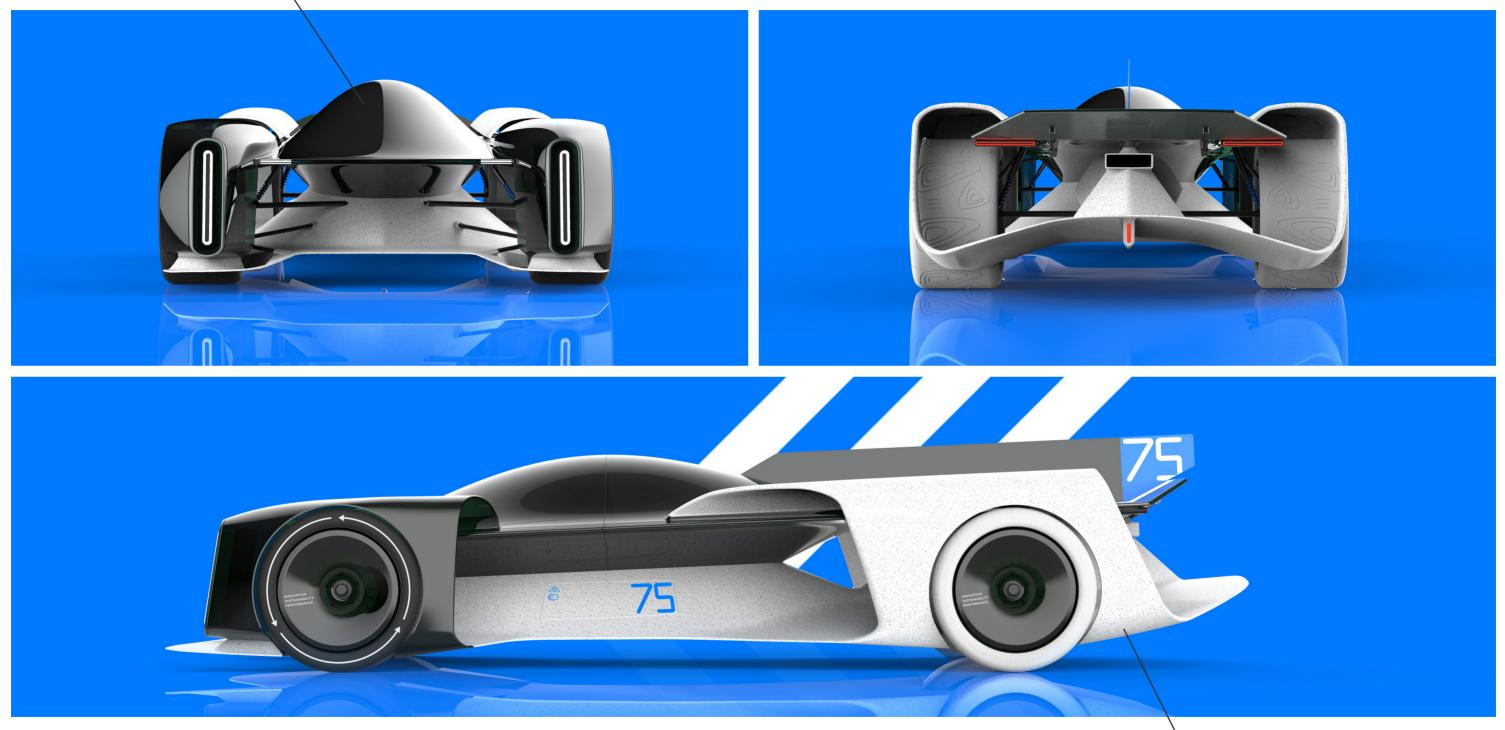


- 4 Built the fenders and connected them to central pod
- 5 Created the floor and bottom portion of the vehicle

6 - Finished by adding details, panel gaps and grouping layers for easier render file organization



Layered graphene sheets with adaptive transparency

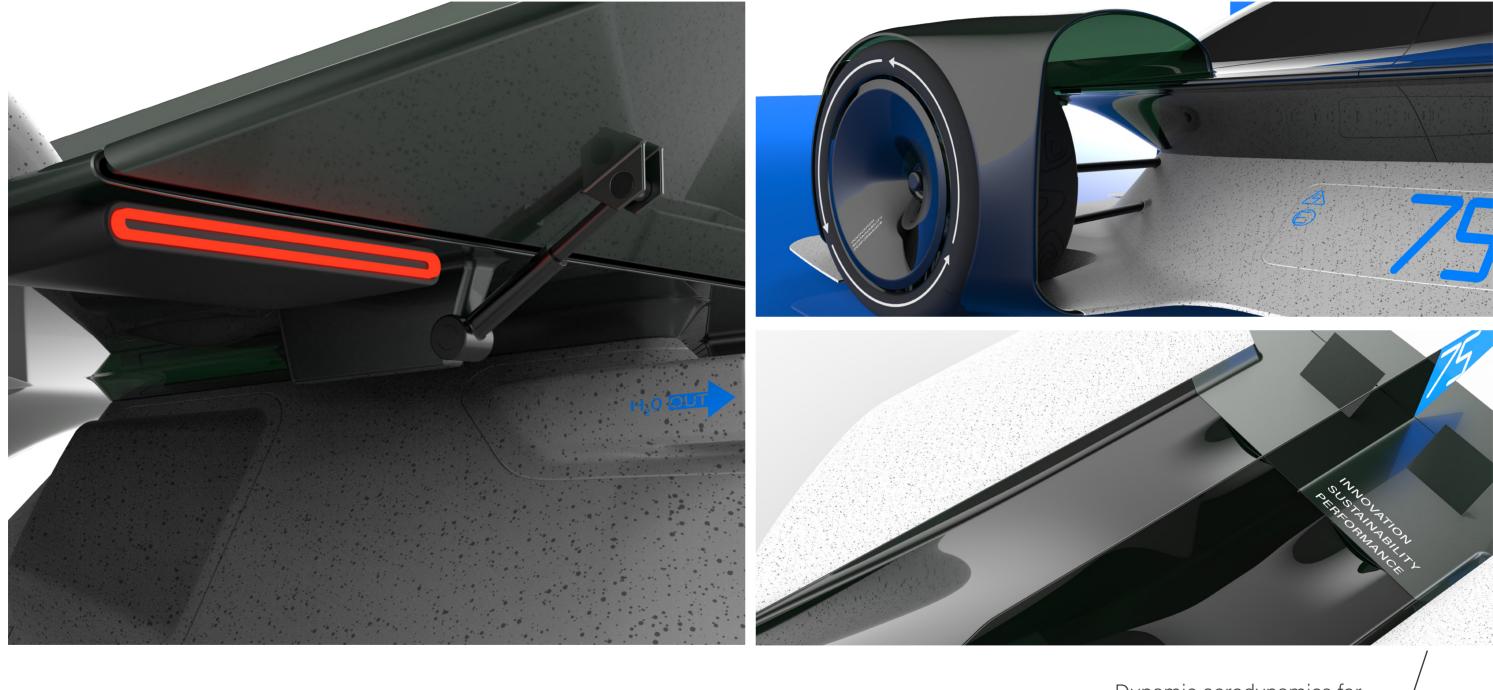


Graphene reinforced recycled plastic

Steering column and windshield open for easy access during driver changes

Semi opened body to maximise air flow and minimize draft resistance

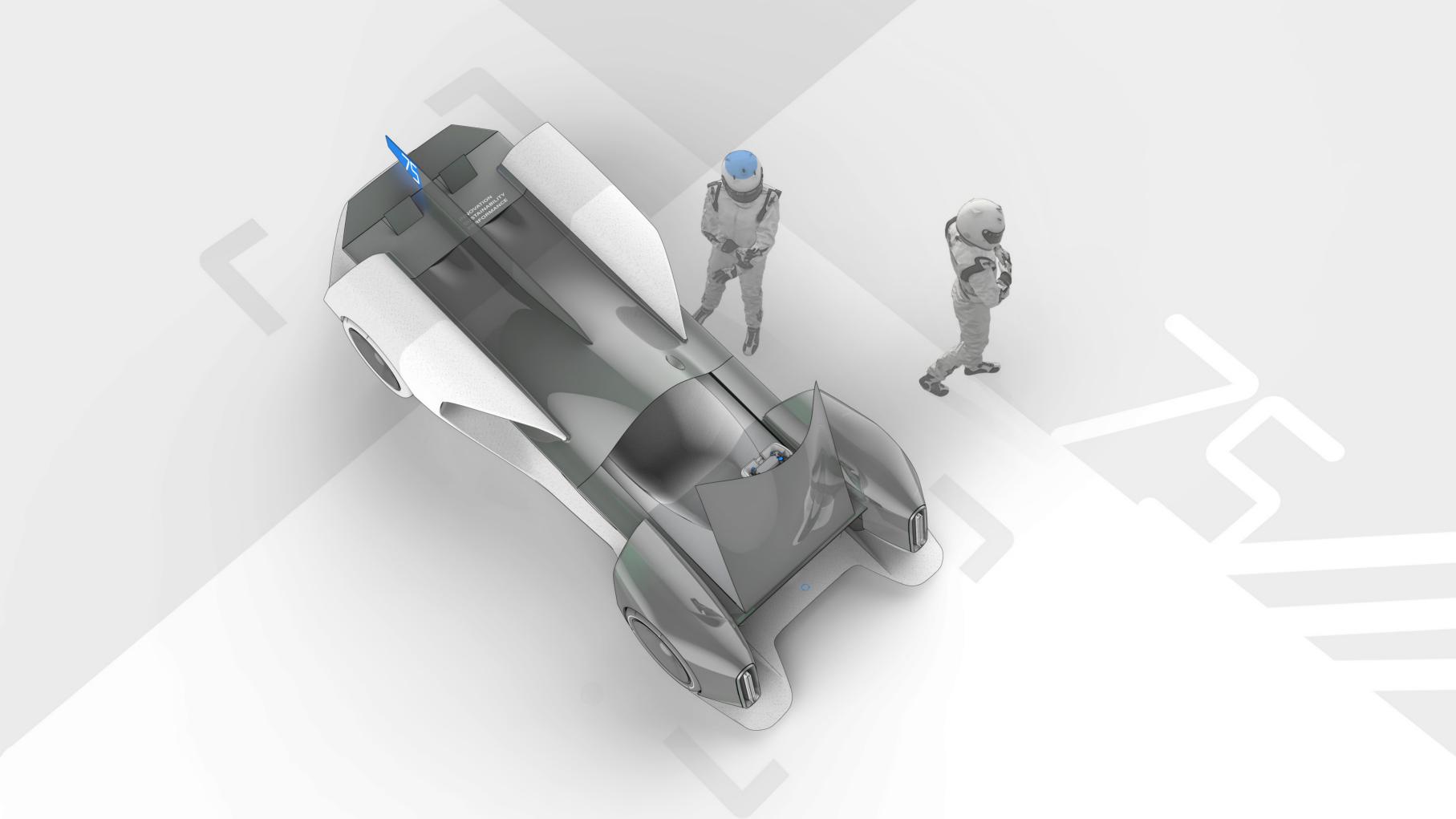


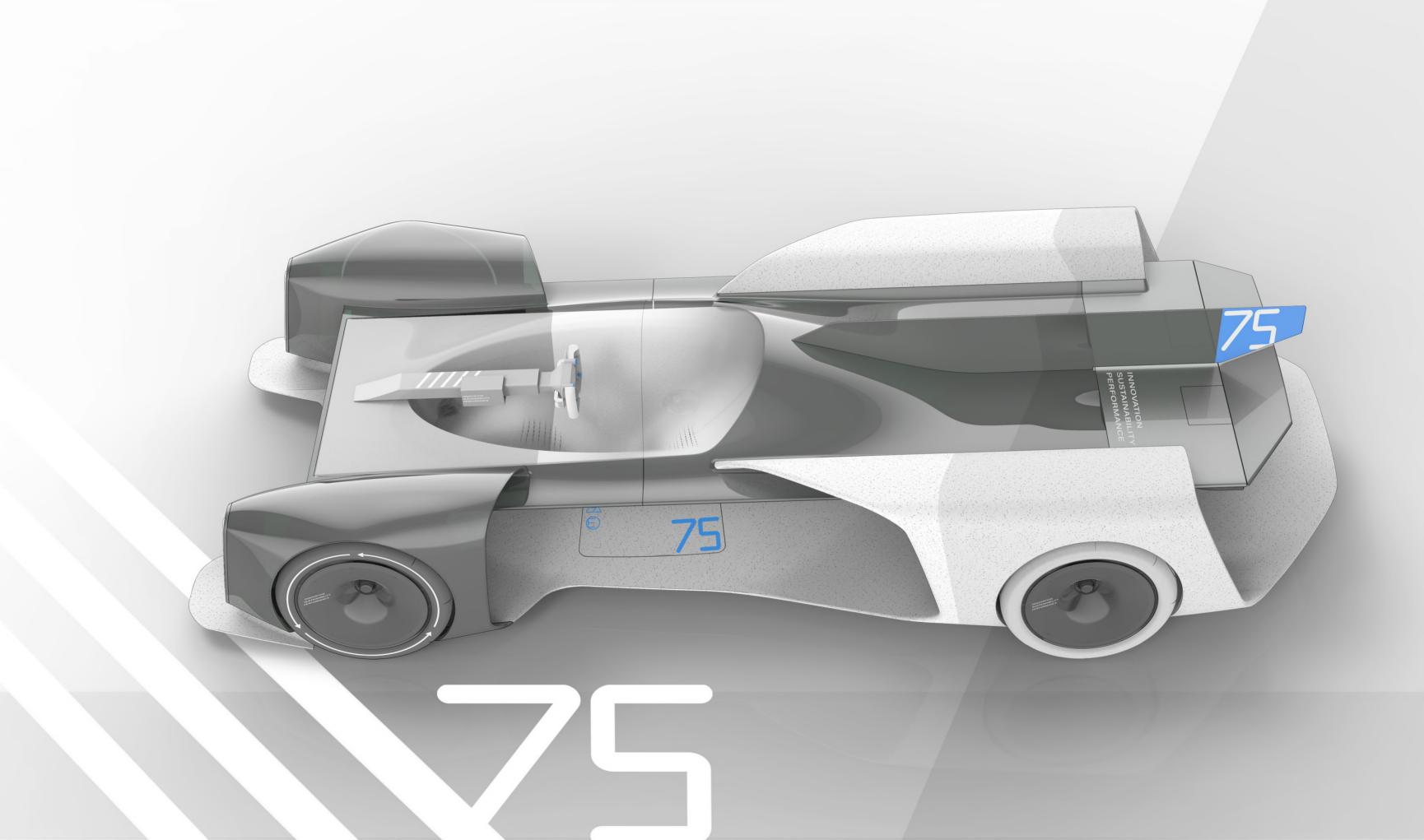


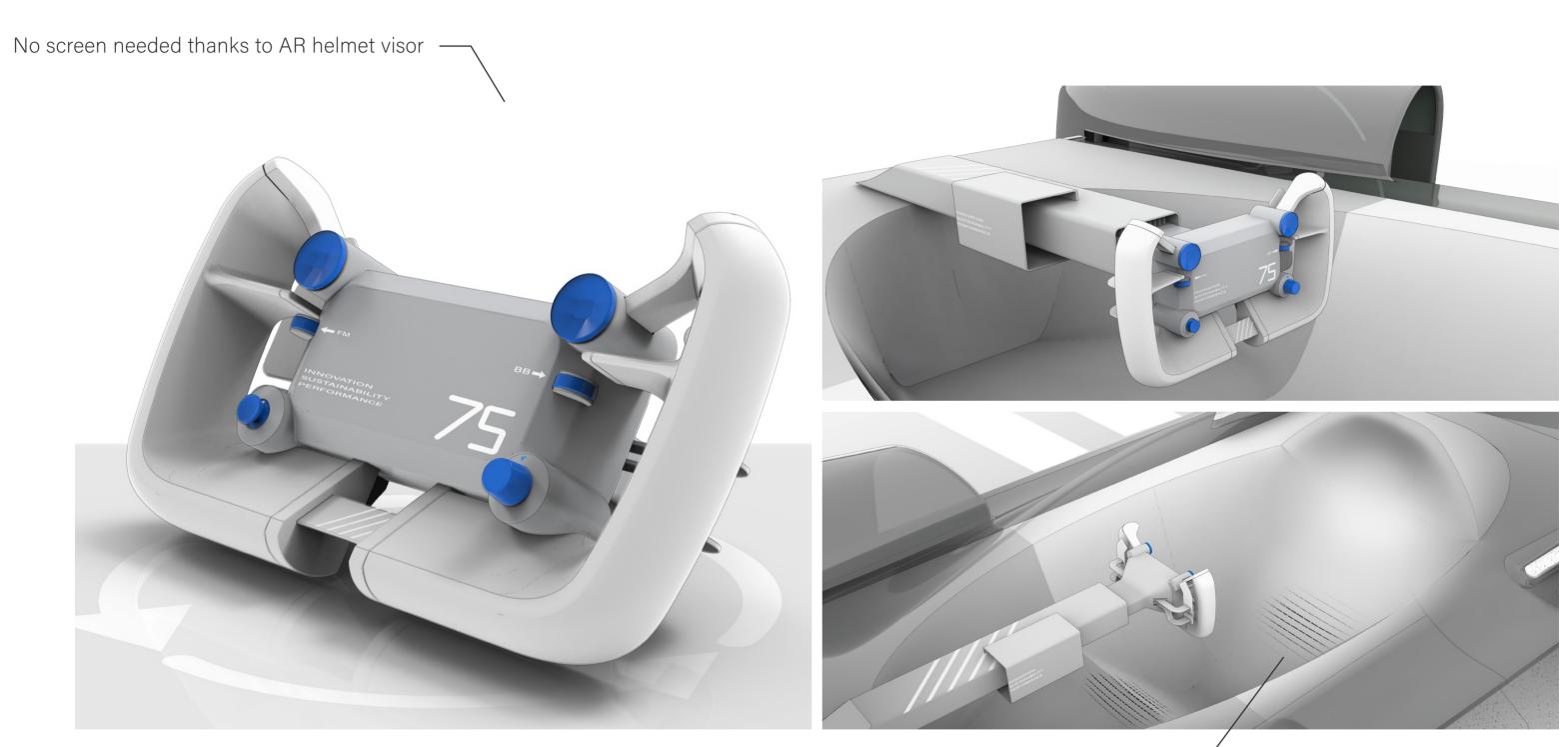
Dynamic aerodynamics for improved braking



Background art by Bastien Grivet







3D printed inflatable shape changing cushions with top layer of kenaf and econyl blend

