

PANDAMODIUM

OPTION 1 - PANDEMICAR

CONCEPT STUDIES

M5X01365

CAMERON DOWNER
1800587

Project Sirona:

Sirona is the Celto-Germanic goddess associated with healing. My idea aims to heal humanity and the earth by preventing disease and minimize our impact on the planet. Set in 2070 the world has entered a new technological age of cloud based ai and networks. With the new age making lives easier and more convenient, humanities population has continued to expand and the risk of pandemics have grown. People will move away from tertiary workplaces, into quaternary research as humanity's needs force us to expand into megalopolis environments. Our reliance on technology to survive and improve will drive us towards augmentation of our own bodies to eliminate weaknesses. And as we learn more of ourselves through this quaternary research, we understand that as we develop and become more complex with our relationship with technology, we understand how vulnerable and exposed we could be. As more and more people live in rich urban environments, the greater the risk a pandemic has to spread and switch off these environments and the complex societies found within them.

As cars enable us to travel, they also allow the pathogens to travel with us. They go where we go. This is a part of their risk to us in these megalopolis environments. By having self-sanitizing cars, through the use of sprays and UV cargo bays it ensures the pathogens cannot travel with us. This makes travelling far safer, and if everyone embraces these practices the overall number of people infected will reduce, as all exposed surfaces that may have pathogens on them within the car will be targeted and eliminated. There are multiple options to put this into practice.

As well as healing ourselves, we have a responsibility to heal our own planet. With research we begin to understand more our place in the universe and how important earth is as our only home. Sustainability is important in every aspect of our lives. We conduct research to understand how we can live in an advanced technological age, while keeping our impact on the earth similar to that as before the industrial revolution. Our technology within ourselves, our homes and our cars will require sustainable sources of generating electricity. We currently only use about 1/10,000th of the power the sun provides the earth, and our quaternary research drives to improve this number. It is not only electricity that will become sustainable, but our use of materials also, focusing on the three R's of reduce, reuse, recycle. That way materials used become less rare and can be shared with the world, so we all take part in reducing our carbon footprint and impact on the earth's resources.

PRODUCT DESIGN

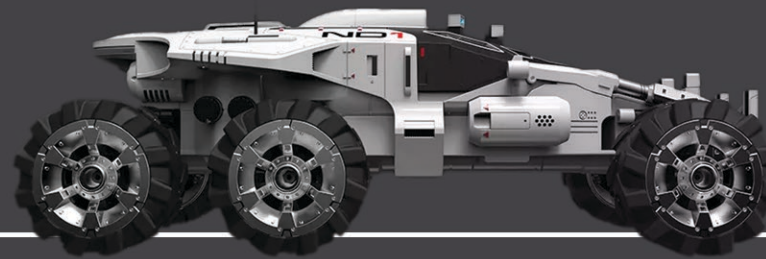


Taking inspiration from conceptual modern product design, I look to create a vehicle that appears practical and has functionality, yet is conceptual and appears as an artistic piece.

MOOD BOARD

— SCI - FI TRANSPORT

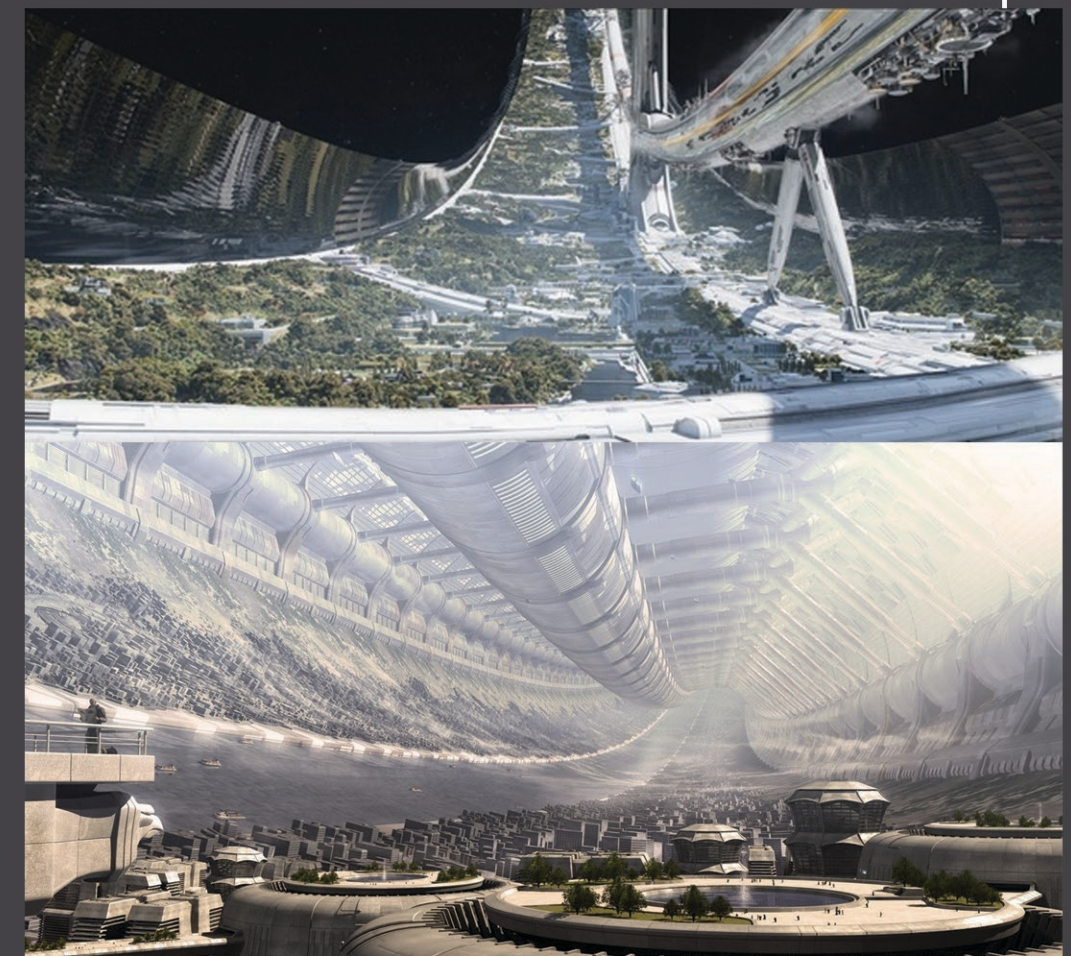
With a vehicle heavily inspired by sci-fi, its necessary to take accents and cues from space stations and cruisers to make this vehicle feel cutting edge and practical.



ENVIRONMENTS —



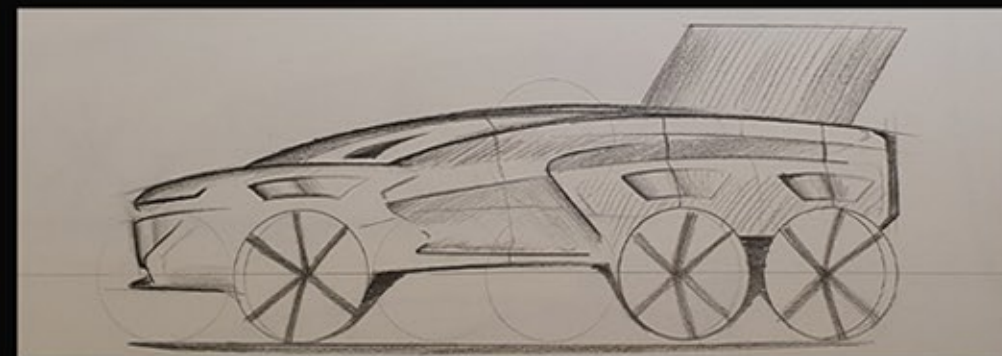
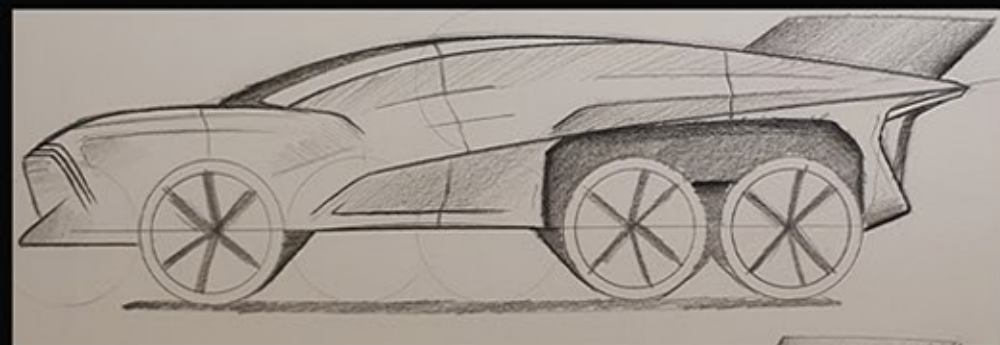
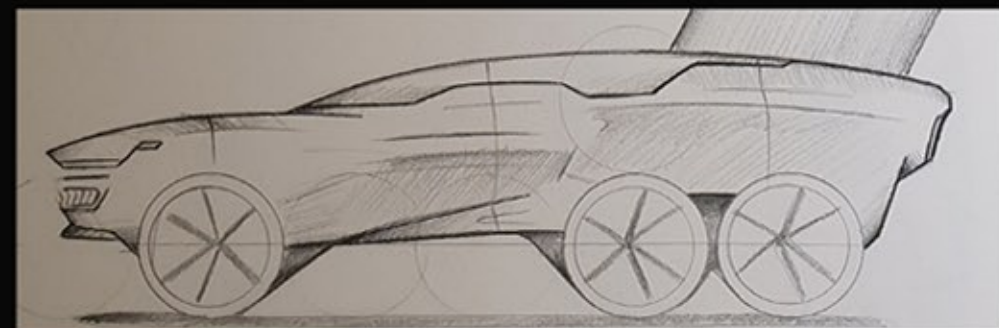
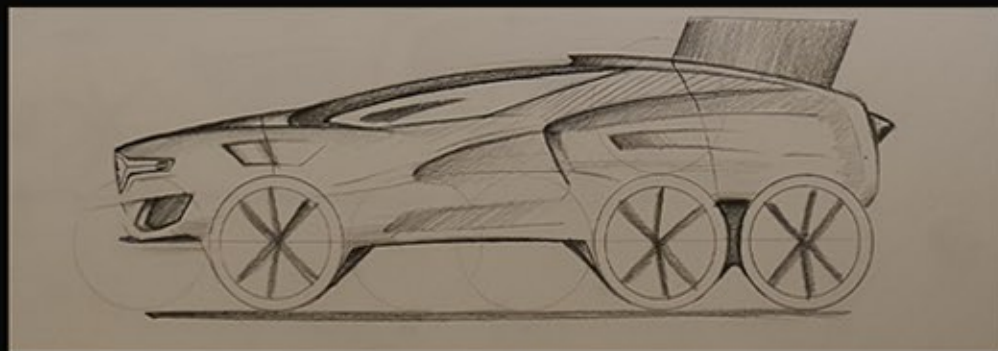
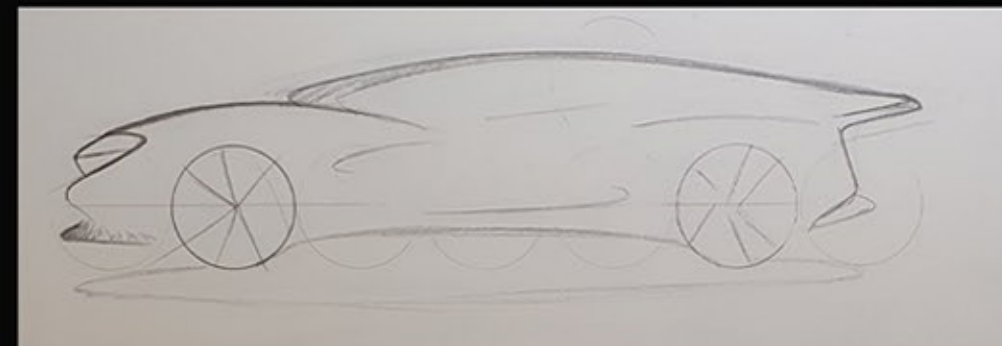
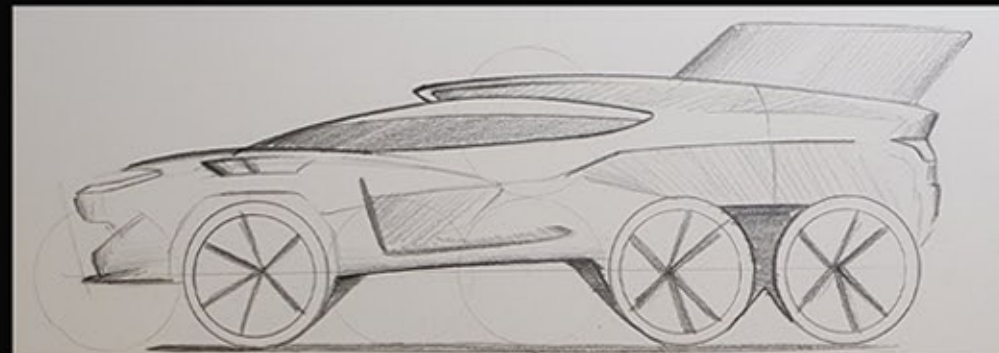
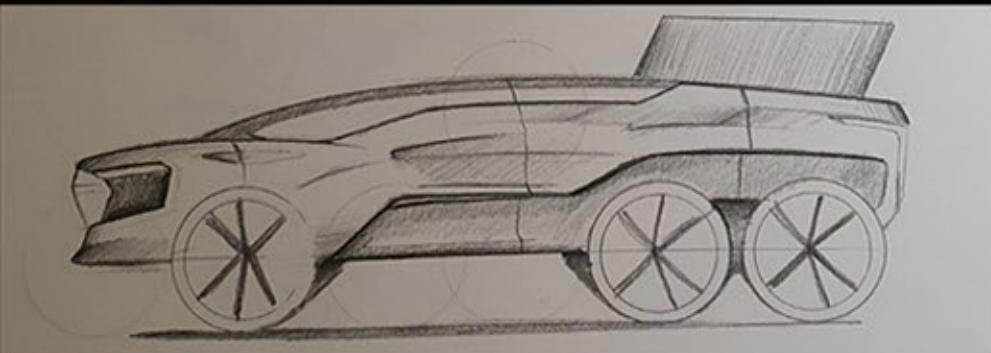
Inspired by the megalopolis worlds of the Citadel and Elysium Space Station, I look to create a vehicle that is connected and inspired by these worlds. With a clean modernist design, accented with technological assets. The vehicle is to feel inspired and a new step for humanity.



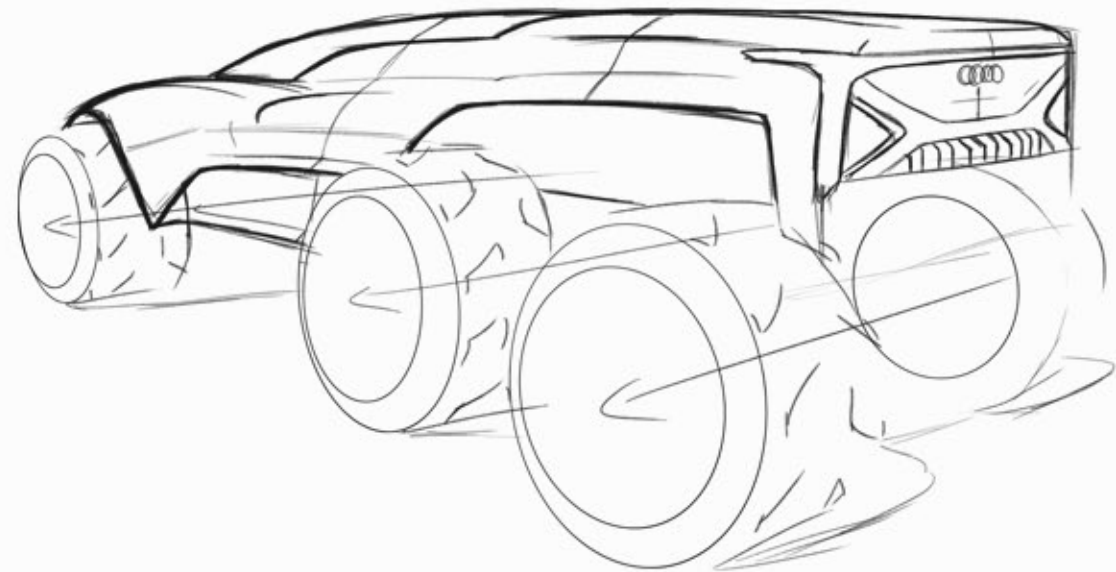
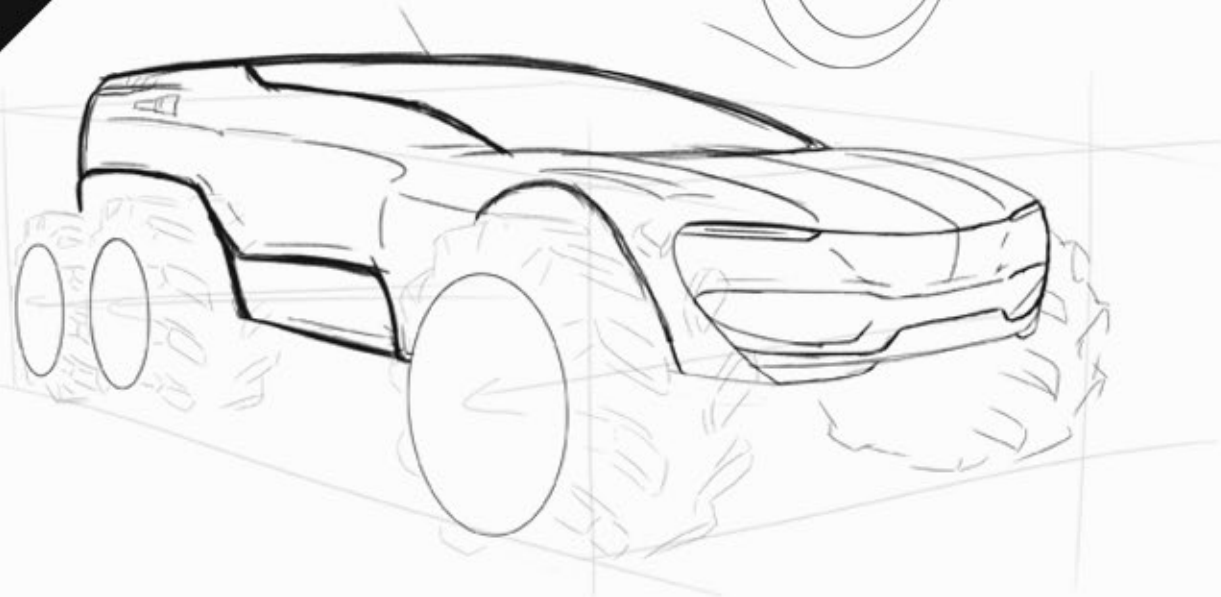
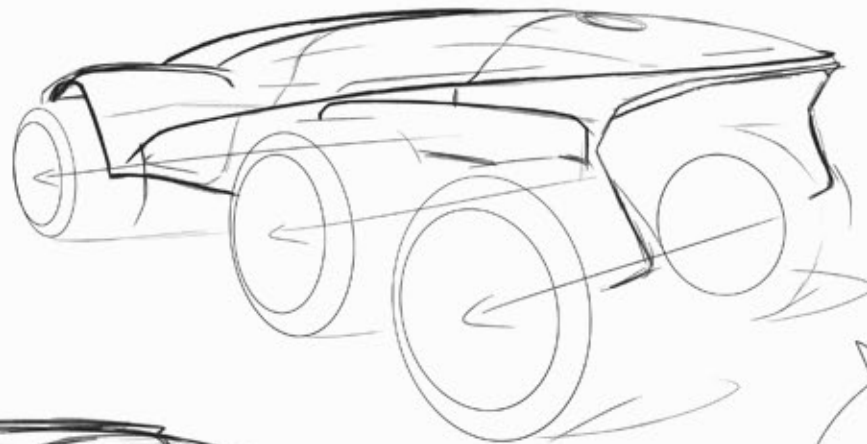
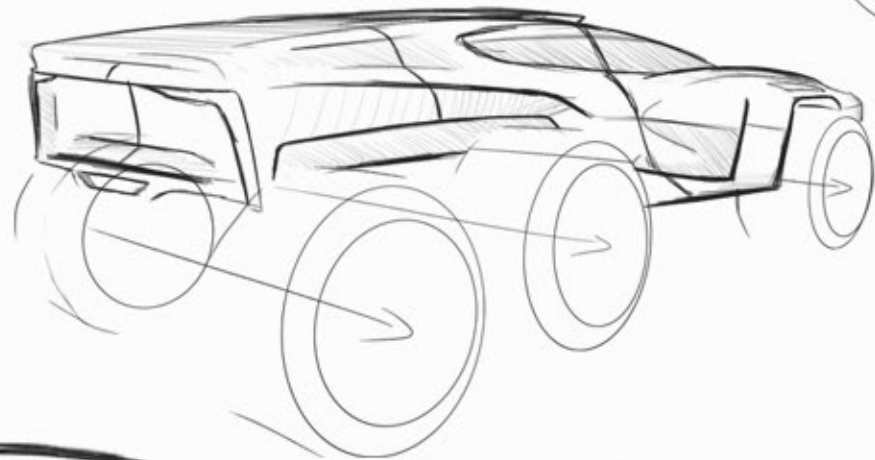
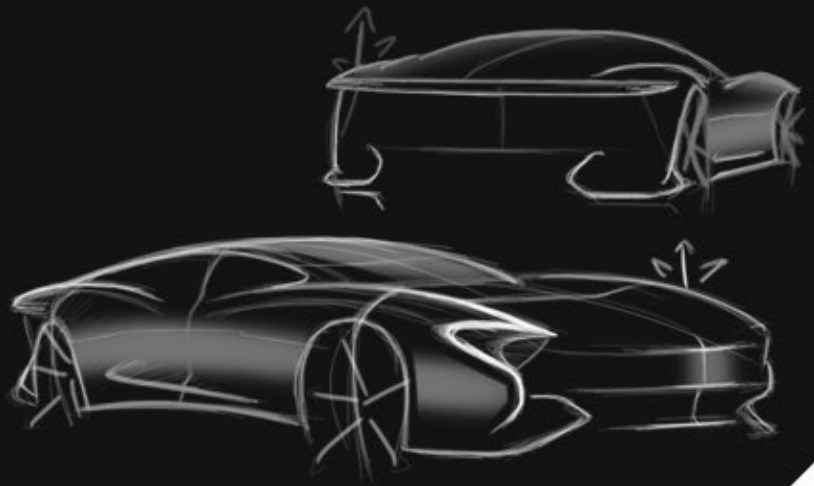
FORM DEVELOPMENT



SKETCH DEVELOPMENT

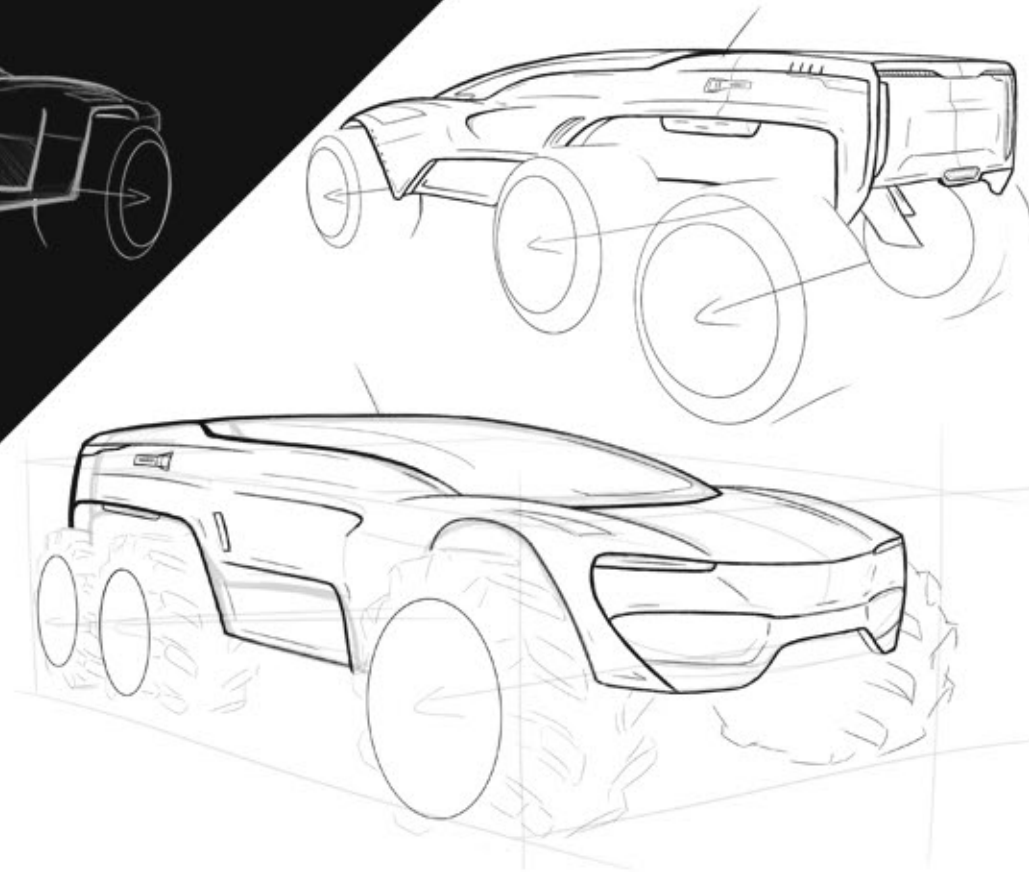


PERSPECTIVE DEVELOPMENT

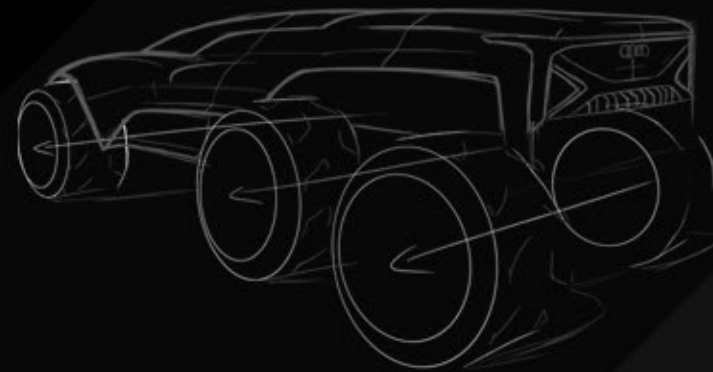
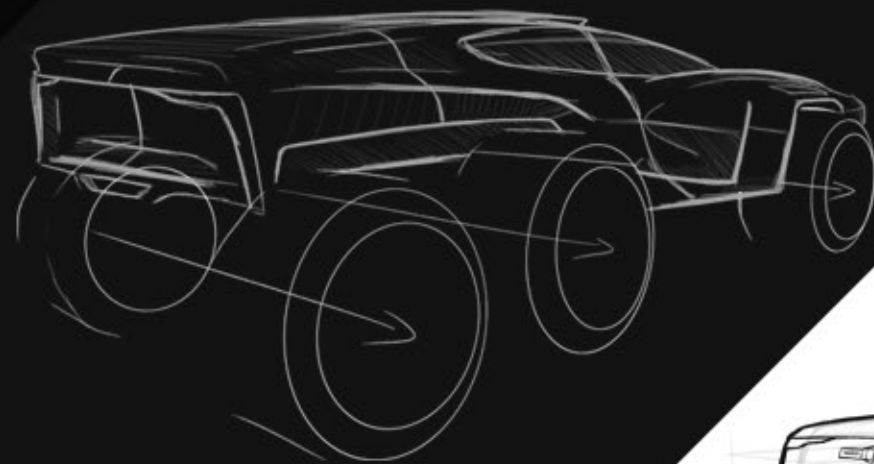


IDEA EVOLUTION

STAGE 4

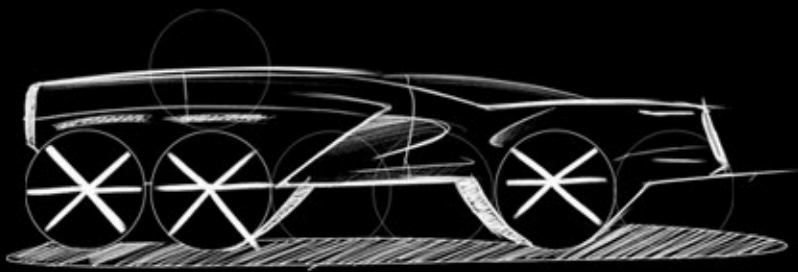
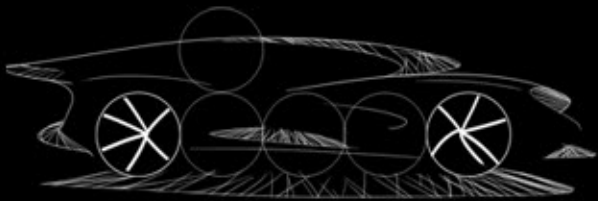


STAGE 3

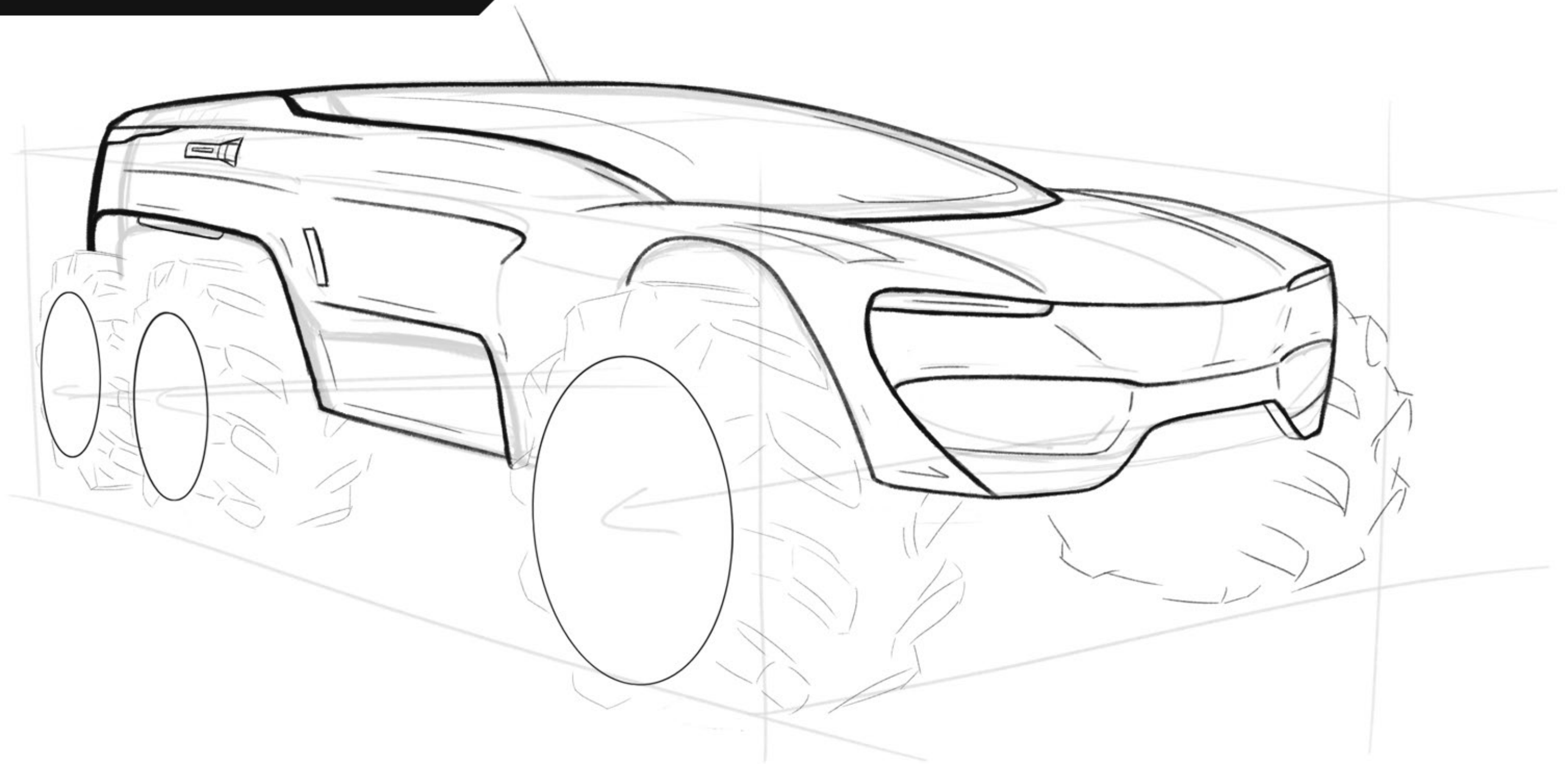


STAGE 2

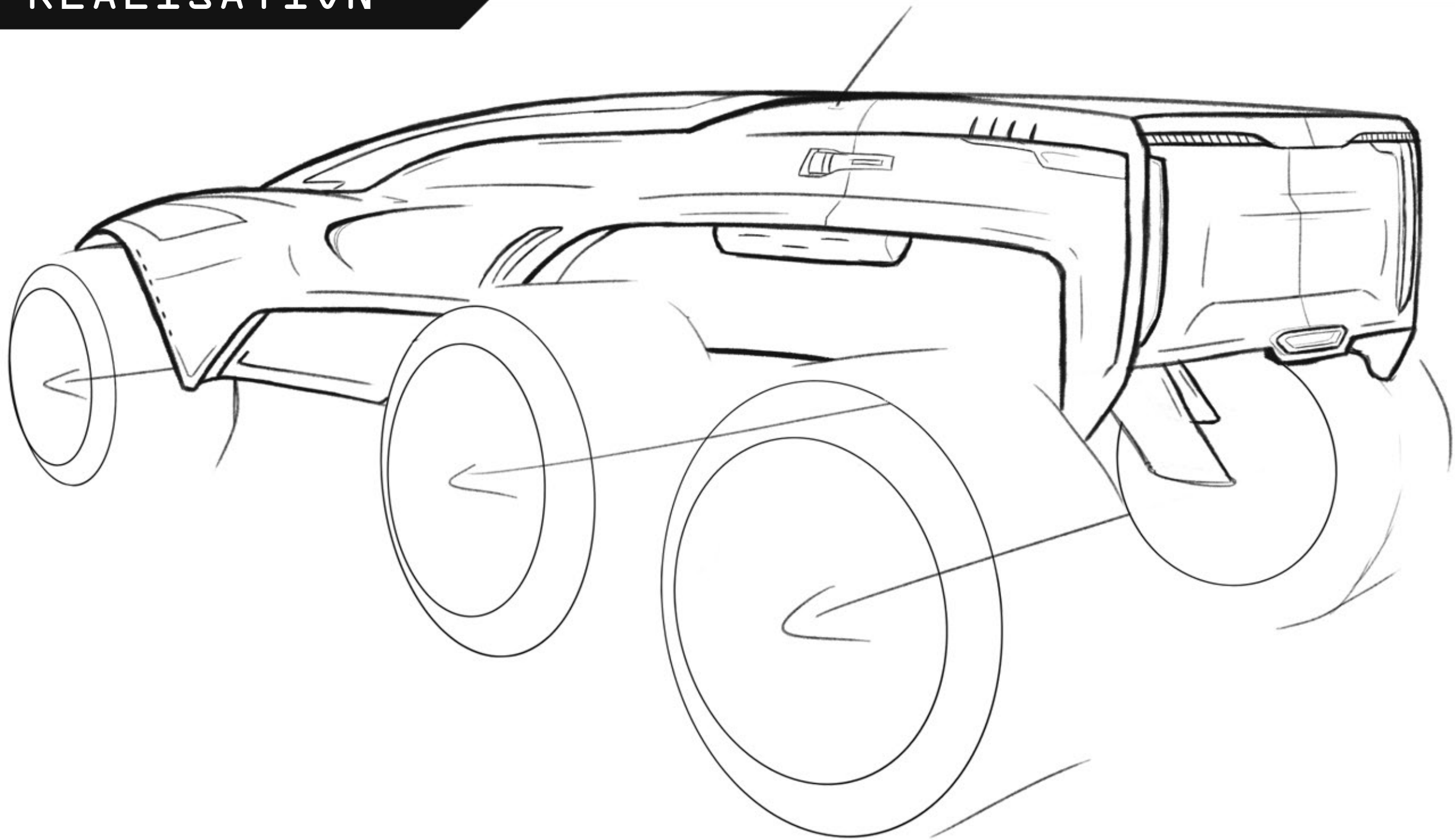
STAGE 1

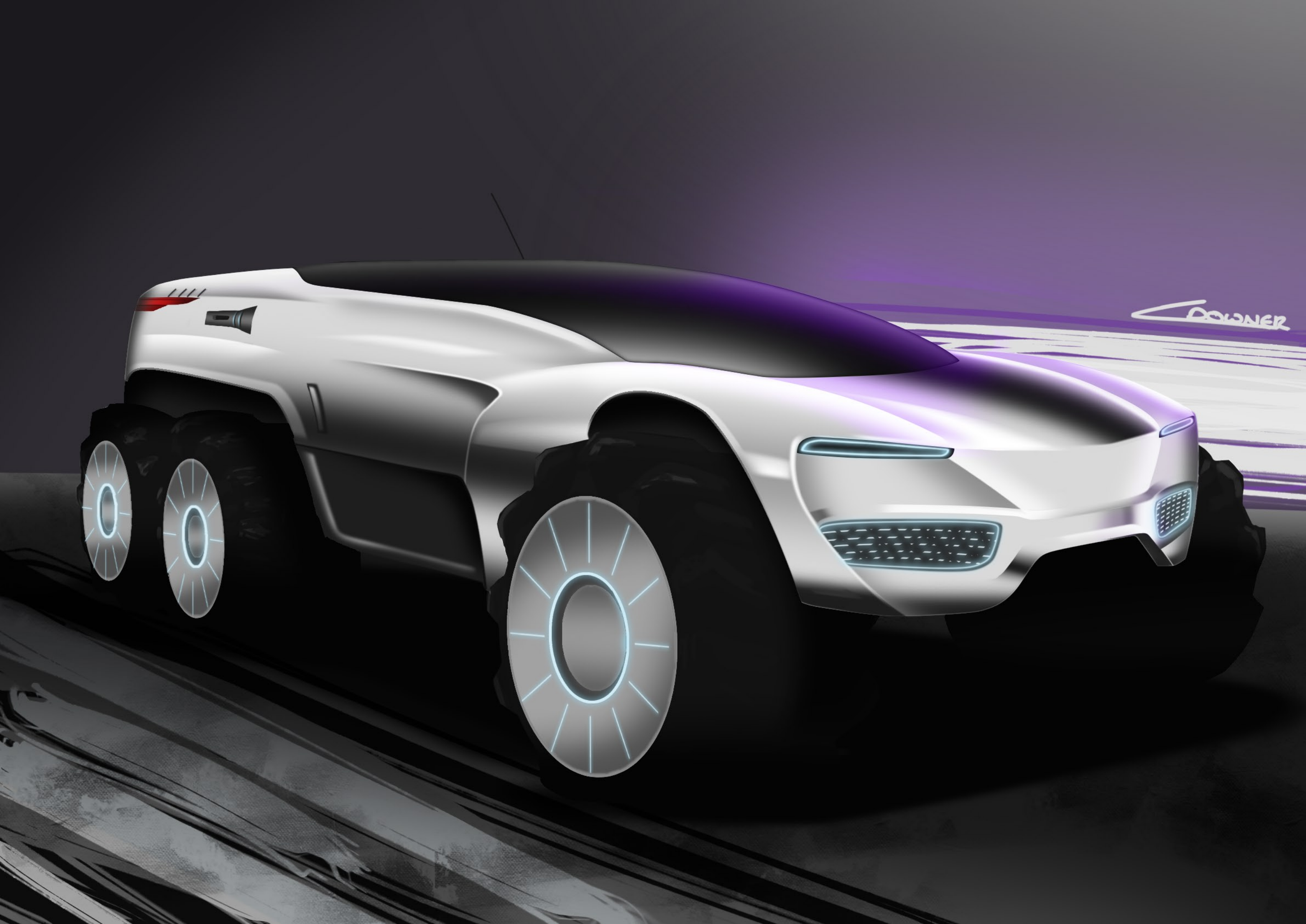


IDEA REALISATION

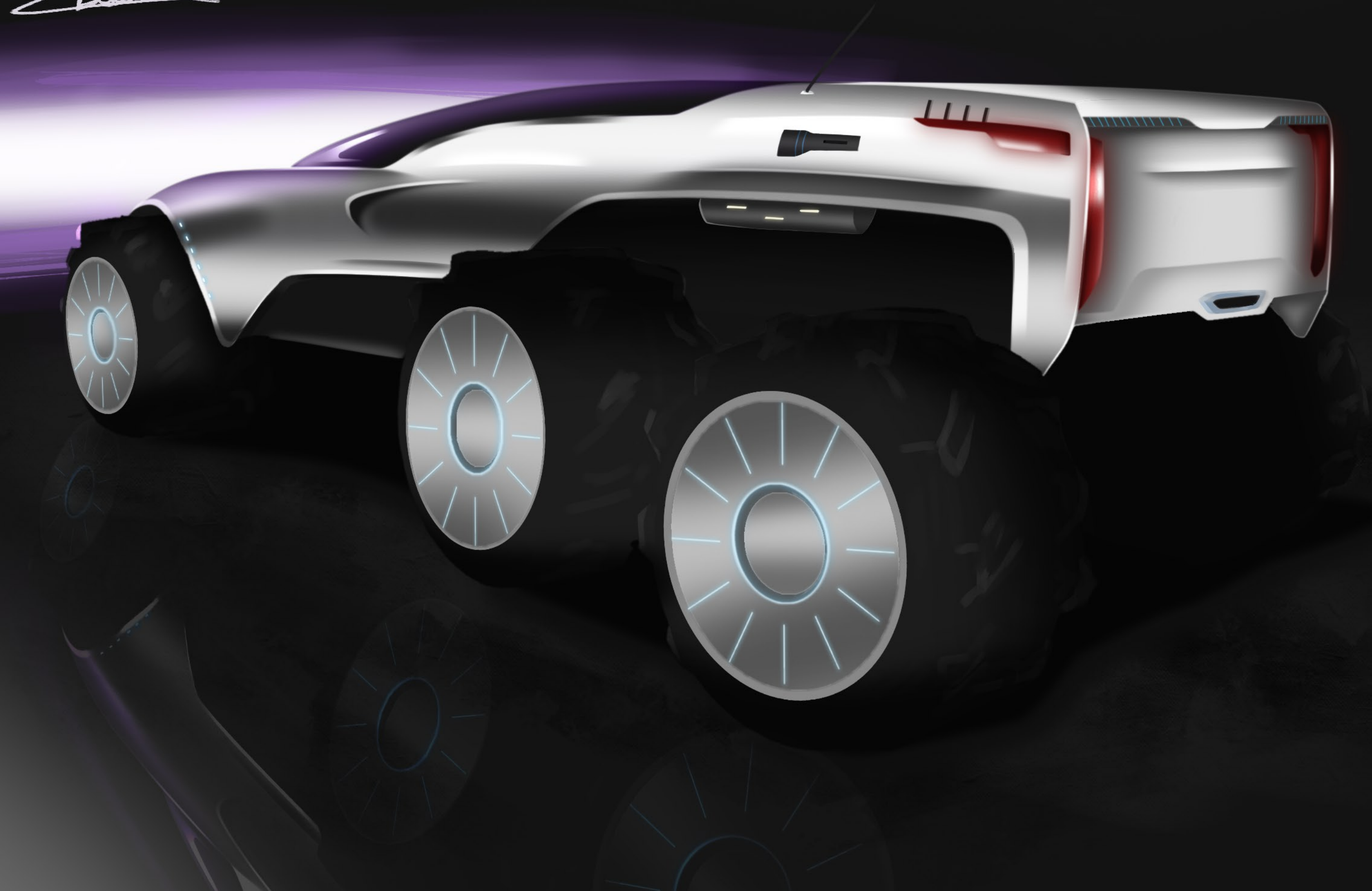


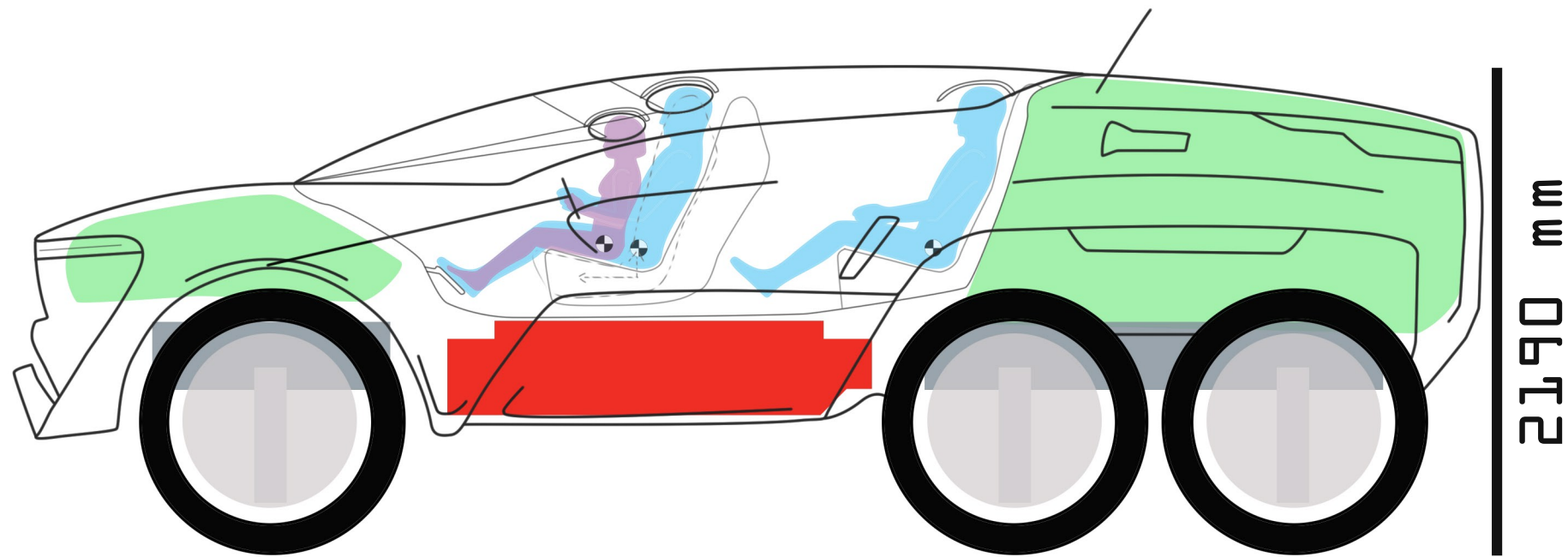
IDEA REALISATION





DOWNER

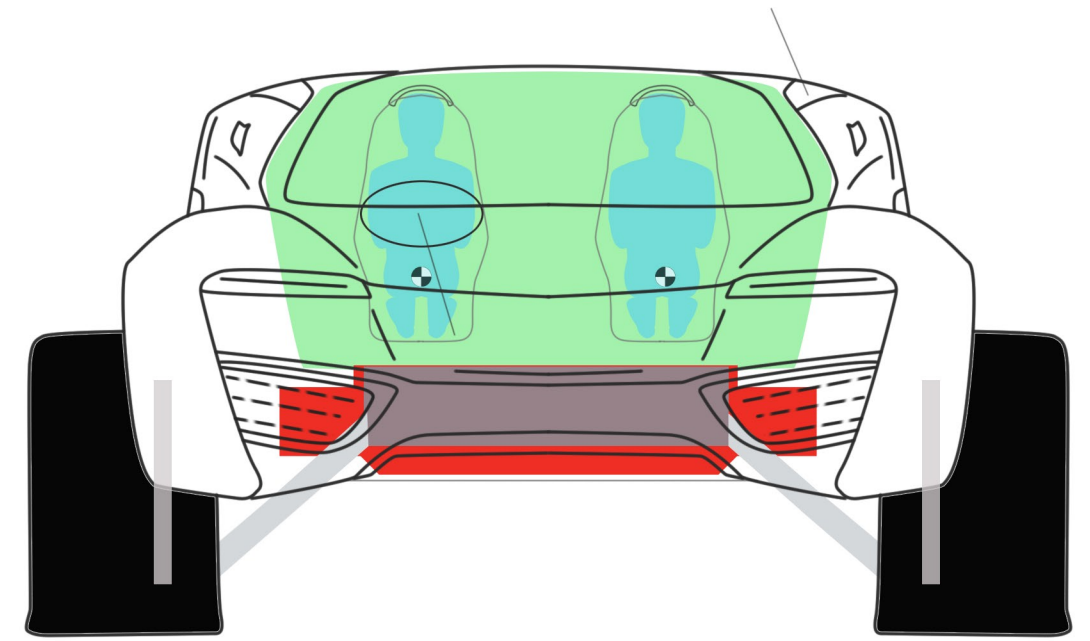




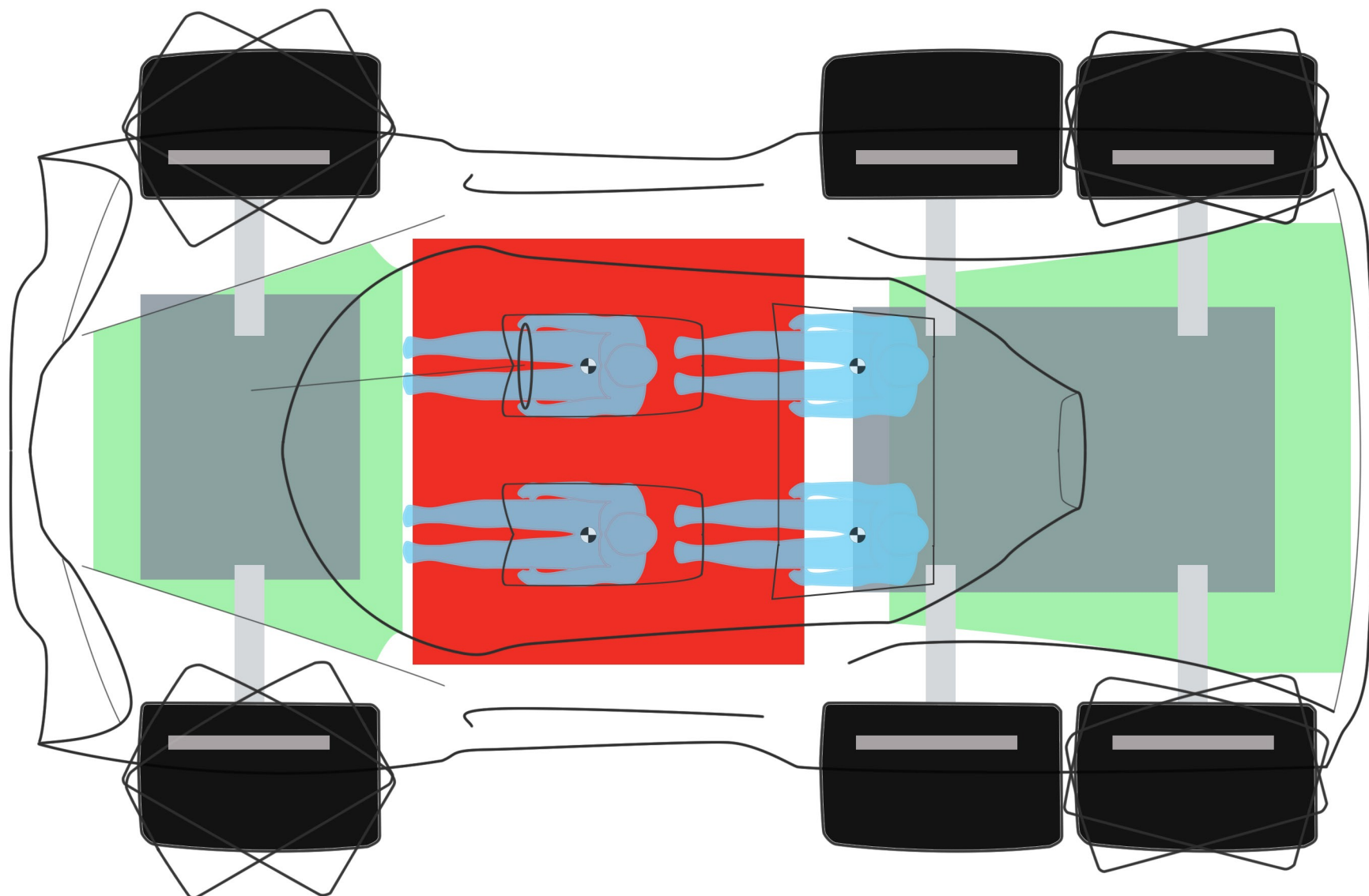
6750 mm

2190 mm

4110 mm



4080 mm



CAMERON DOWNER

- MALE ERGO- 95 PERCENTILE
- FEMALE ERGO- 5 PERCENTILE
- ELECTRO-MAGNET SUSPENSION
- ELECTRIC MOTORS
- BRAKES
- BATTERY
- LUGGAGE
- TYRES

SIZE

A3

SCALE

1:30

DATE

11/03/21

TITLE

PROJECT
SIRONA