

# HARD SURFACE MODELING

SUBMITTED BY ANIRUDH SRINIVASAN

CAR DESIGN

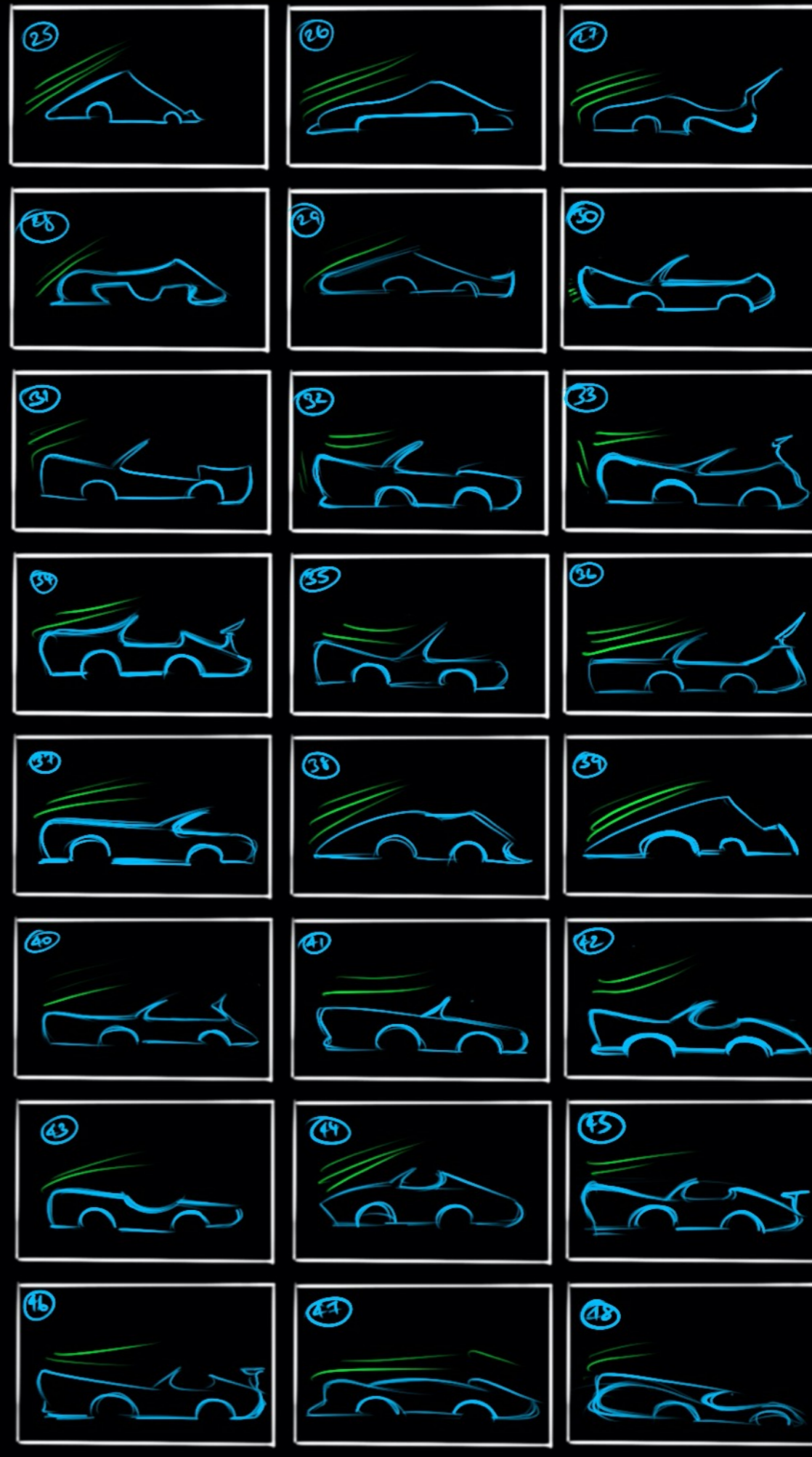
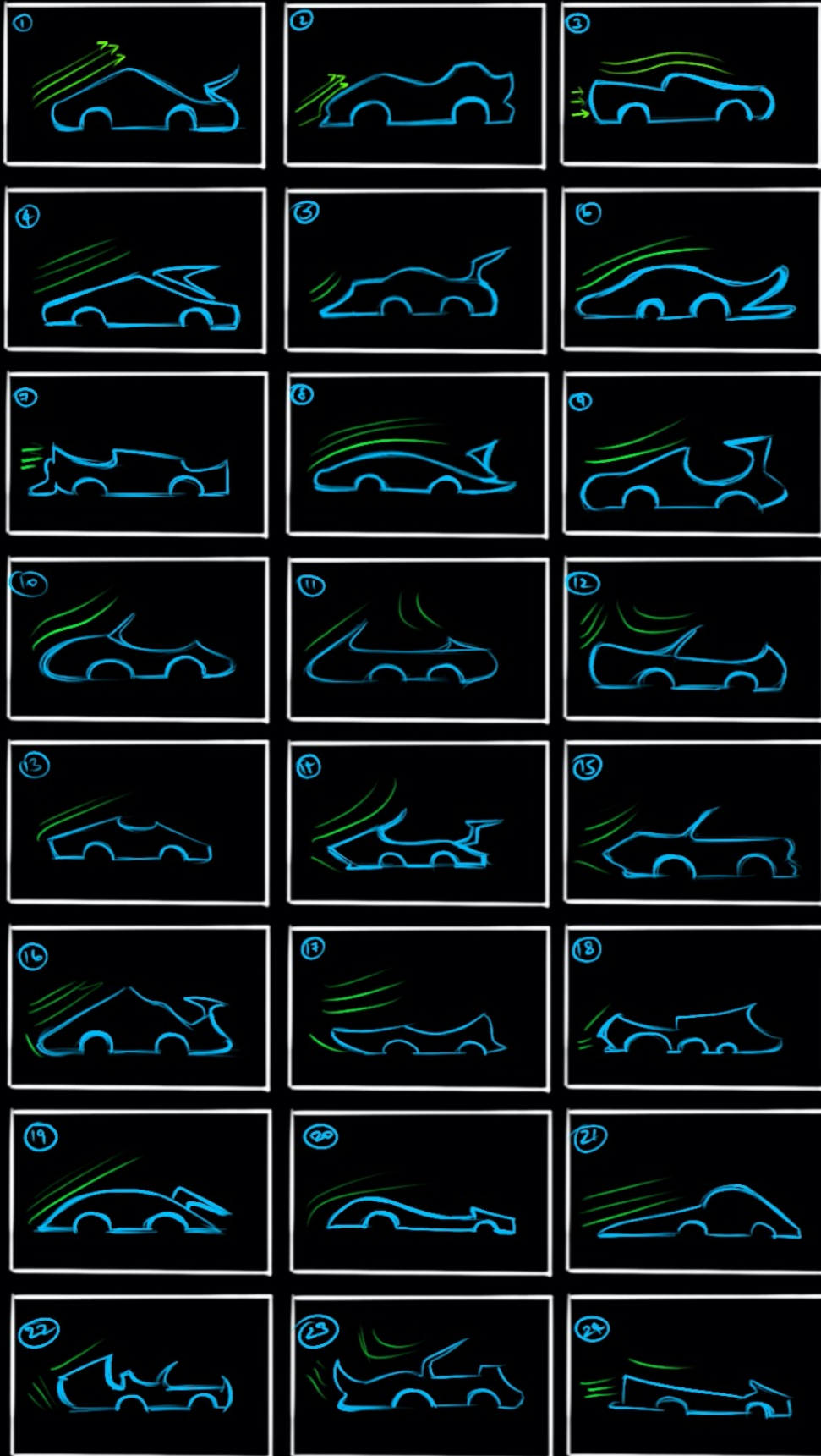
# VEHICLE DESIGN - WEEK 1

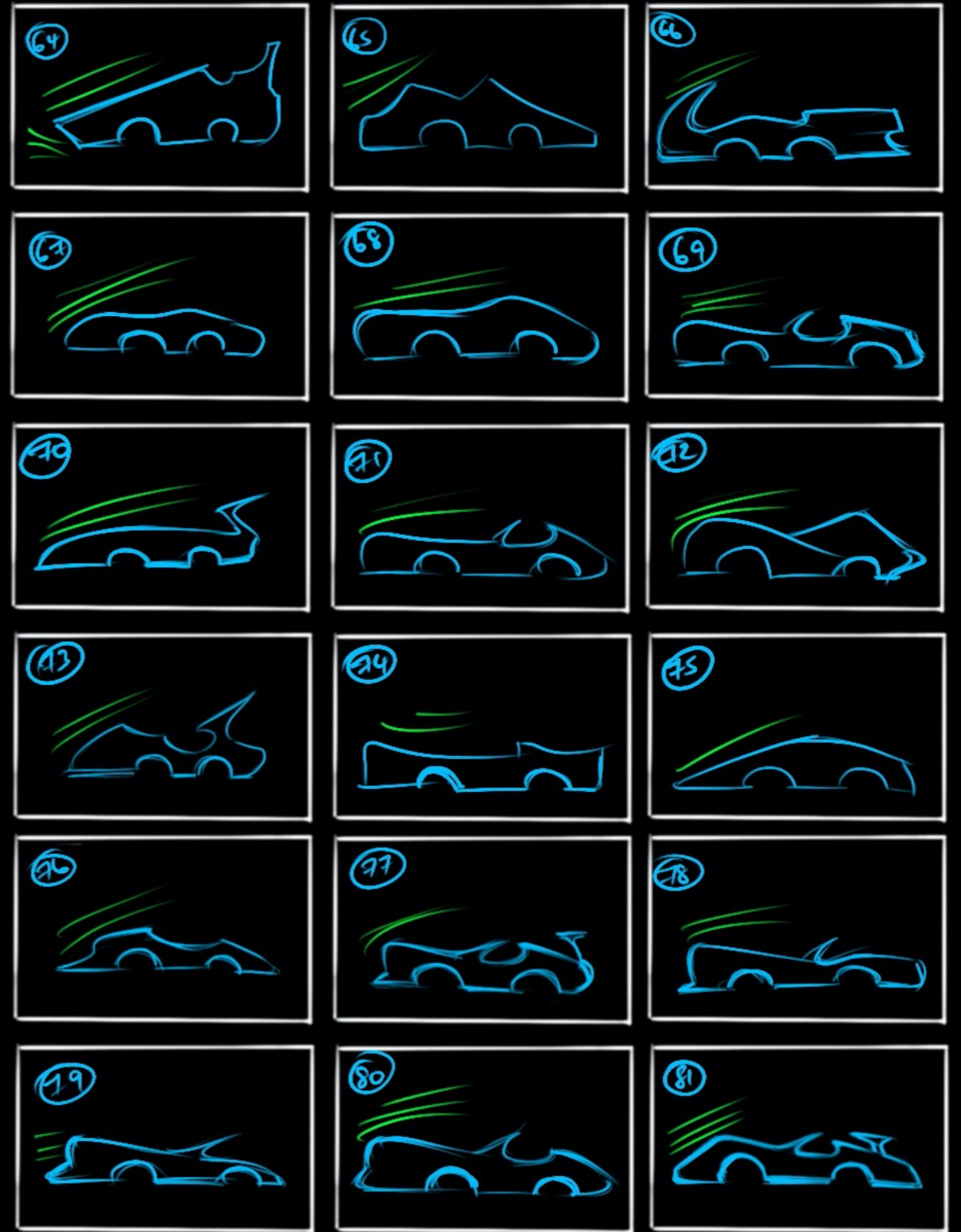
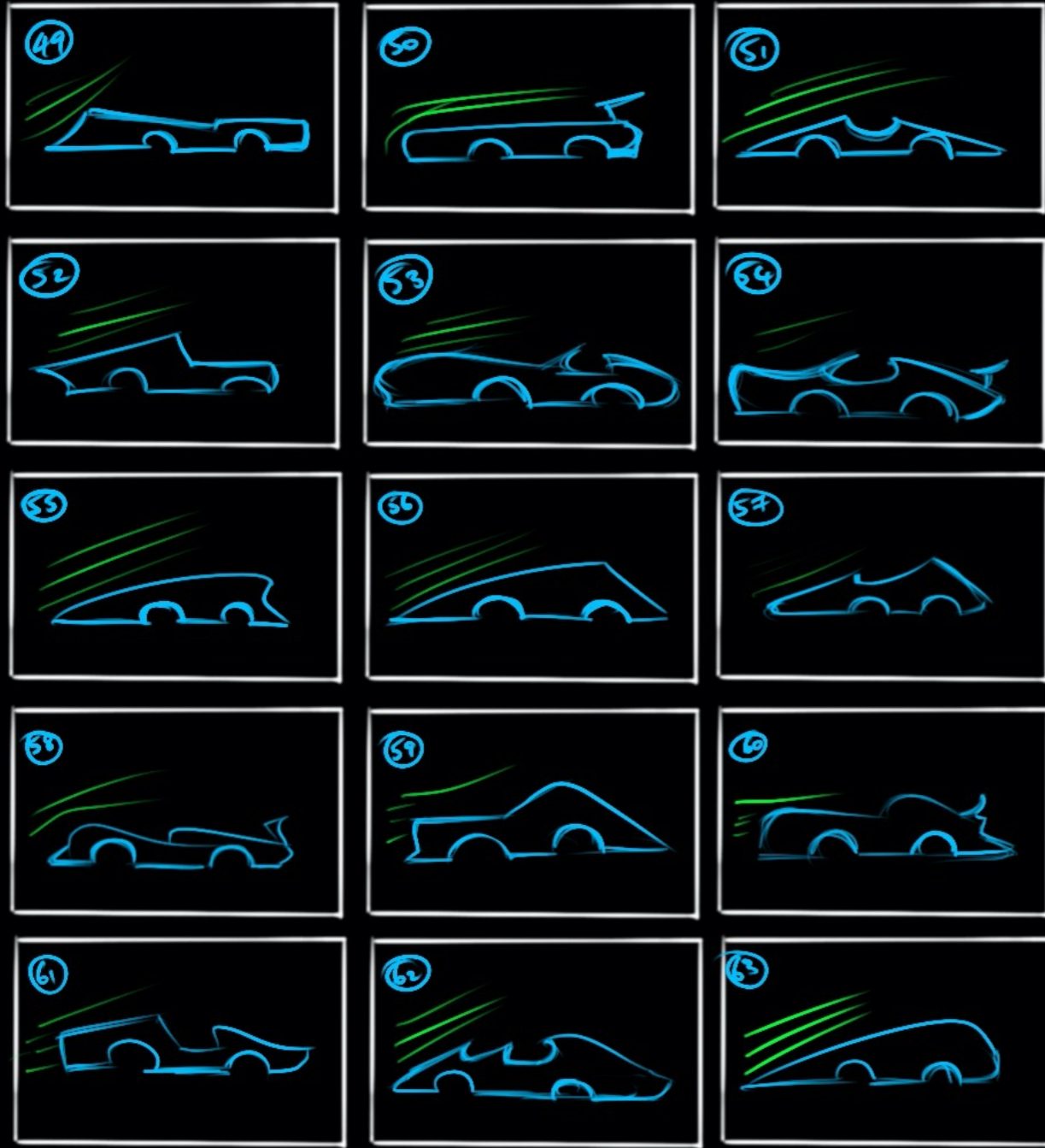
Name : Anirudh Srinivasan

Vehicle : Königin

Career Goal : Motion Graphics Artist

## Additional Thumbnails





# VEHICLE DESIGN - WEEK 1

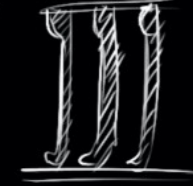
Anirudh Srinivasan

Reference Cars

Mercedes Benz Cabriolet Maybach 6 [Good Features]



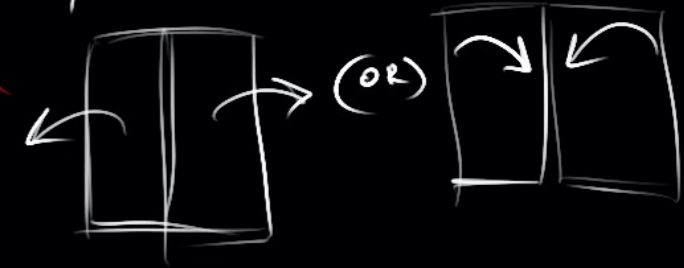
③ Formal and Elegant Vents



④ RIM Multi layered and stacked (not closed)



⑤ Split Bonnet



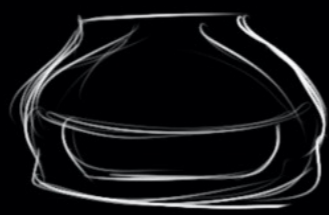
① Long Hood



(Better weight distribution and heat dissipation More space for engines).



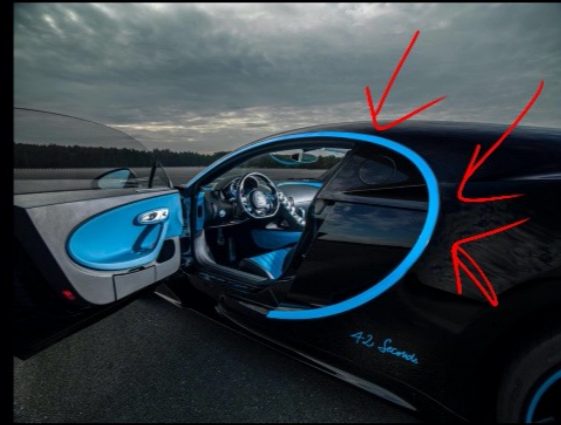
② Broad in front narrow at the back



Bugatti Chiron



① Back portion has character (not flat or too streamlined)



⑤ Neon Highlights indicating shape of design.



② steady Transition



⑥ 3 piece Tail



③ Lights [multiple]



4 or 5 separate pieces



⑦ Dent and Curved headlights

eg:  [Combined with ③]

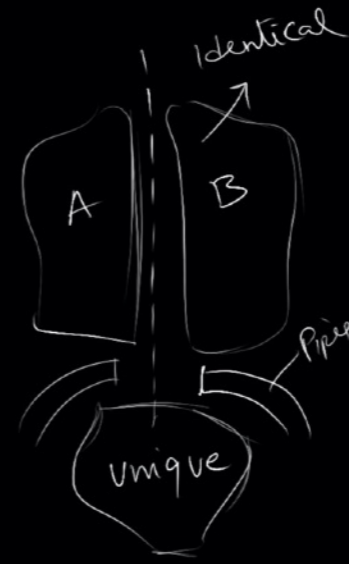
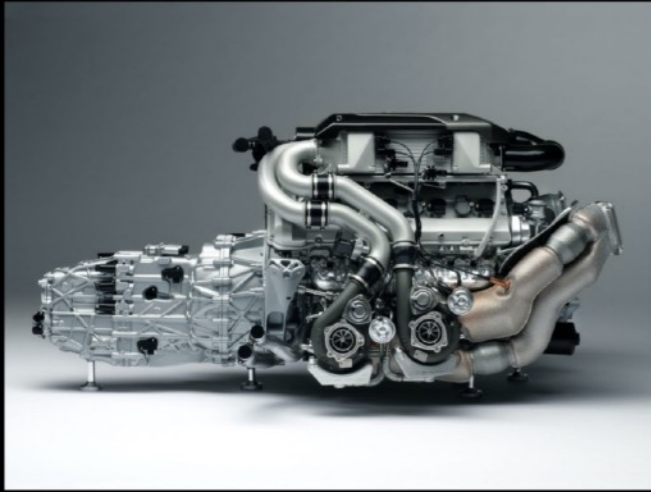
we get:

③ & ⑦ combined result



④ Visible Engine at the back

# PANEL 2 - ENGINE AND SUSPENSION



# PANEL 3 - SPOILERS AND FENDERS



PANEL 4 - TIRES





PANEL 5 - HEADLIGHTS



PANEL 6 - HOOD

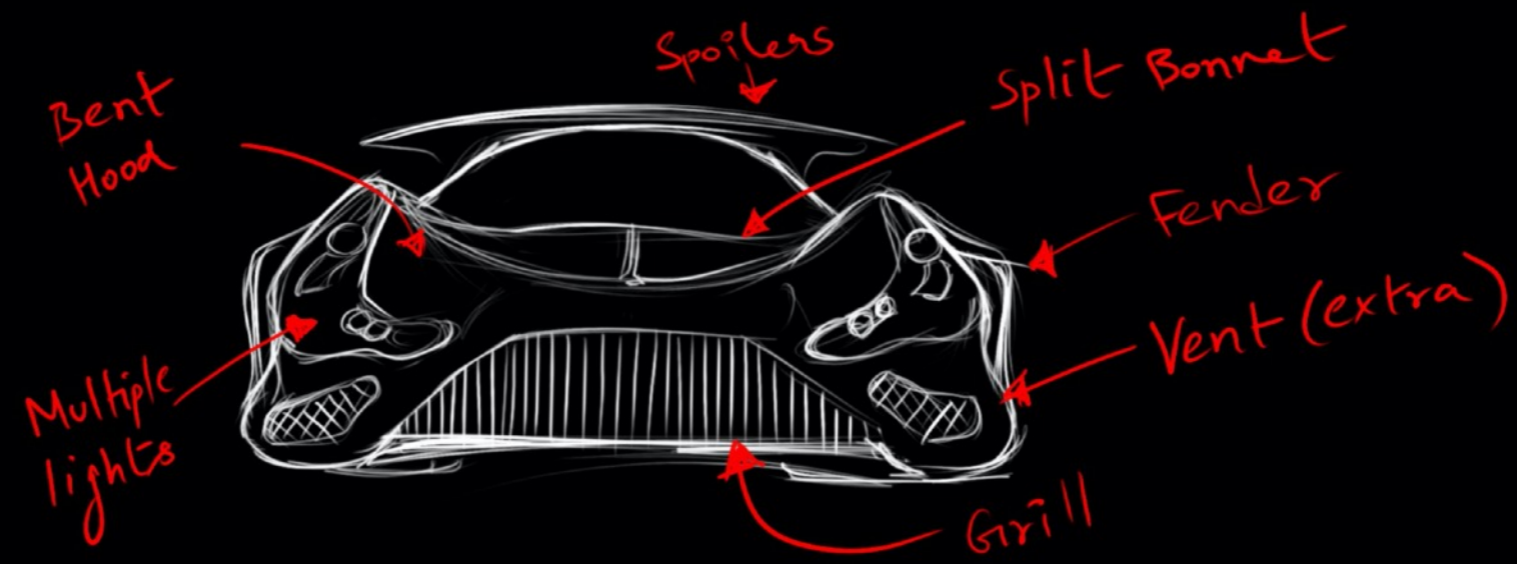
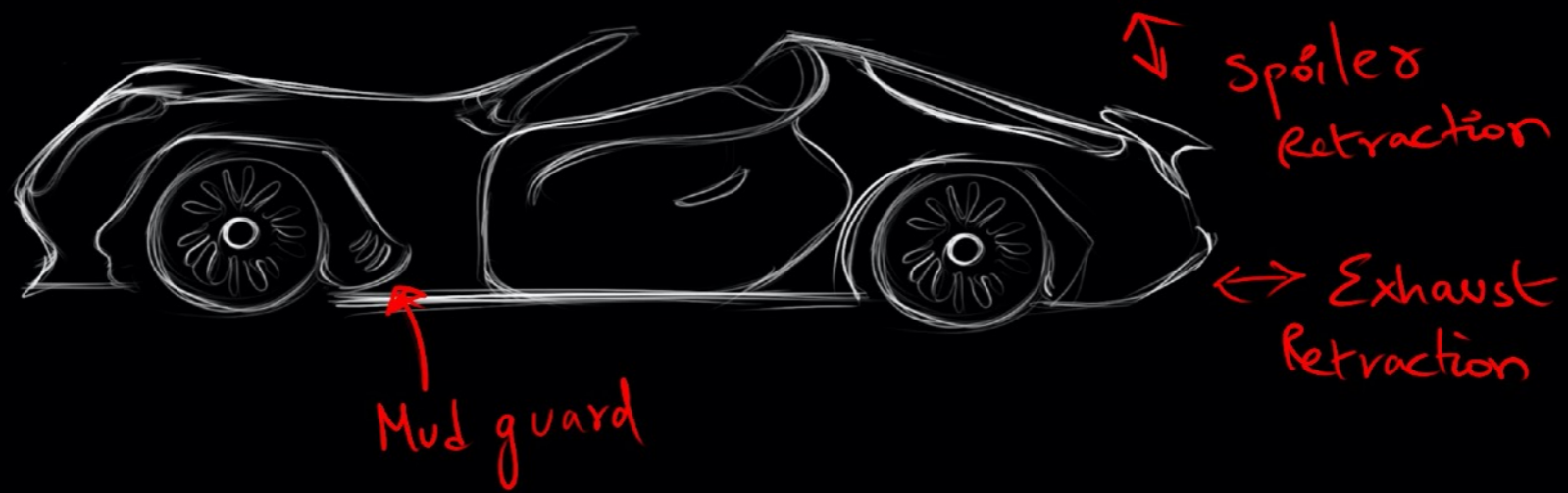
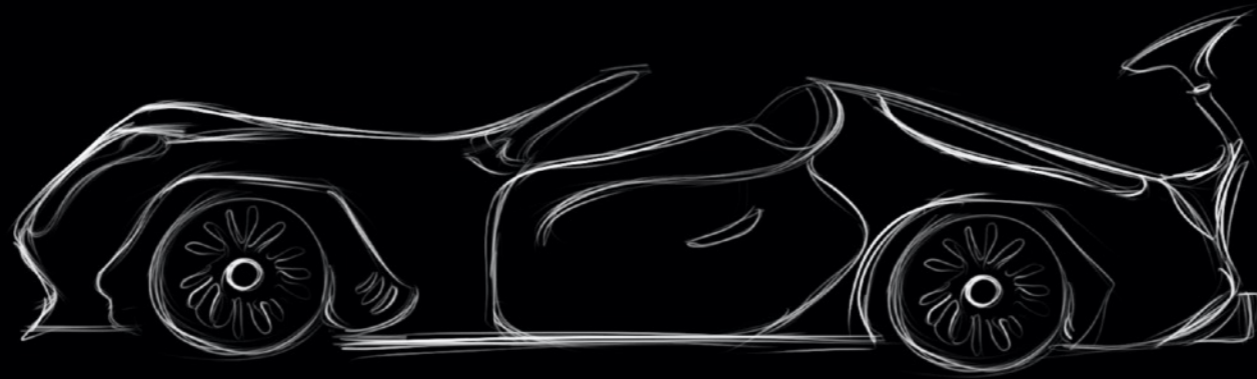
LONG and Split Hoods



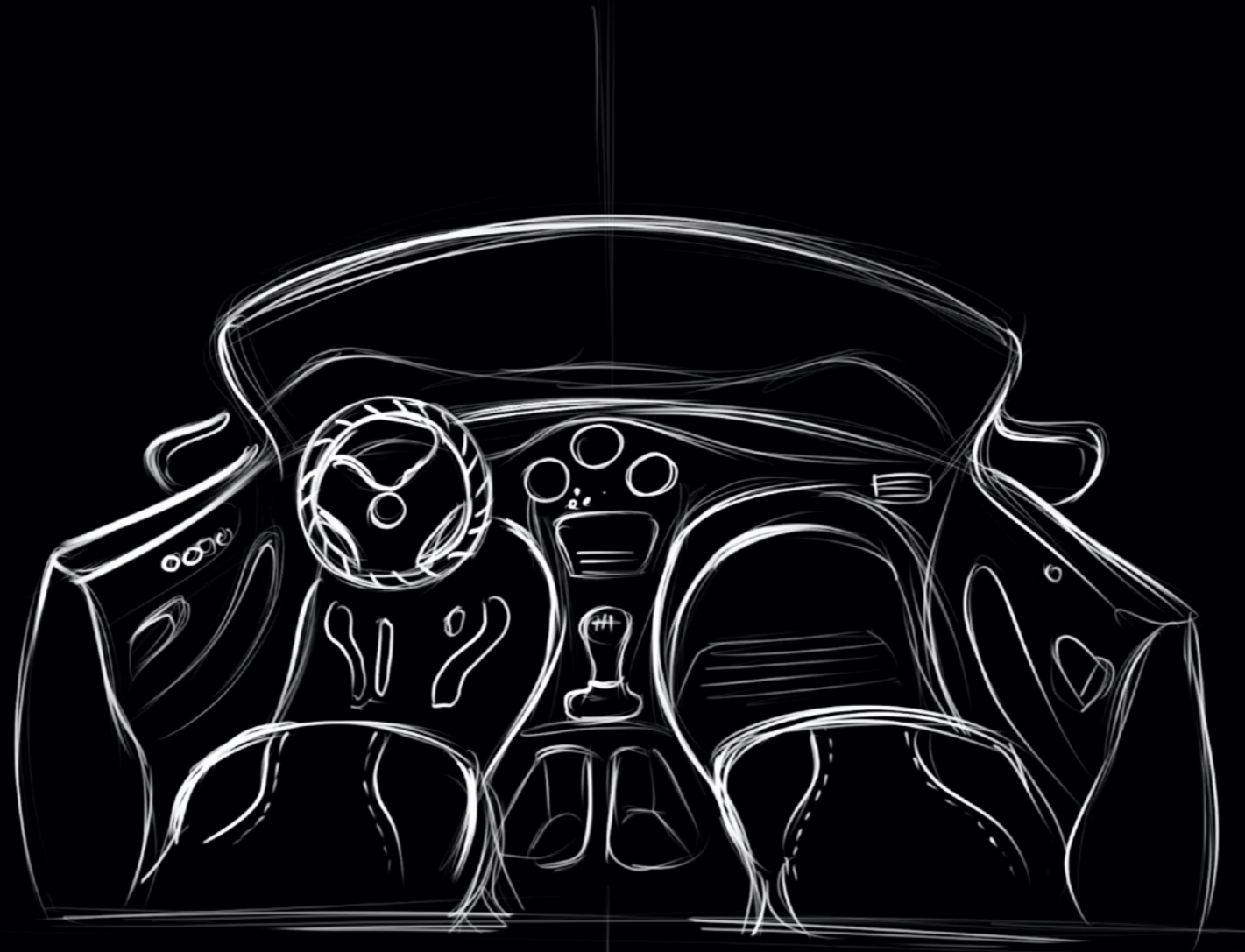
PANEL 7 - TAIL LIGHTS

Horizontal Tail lights → Continuous

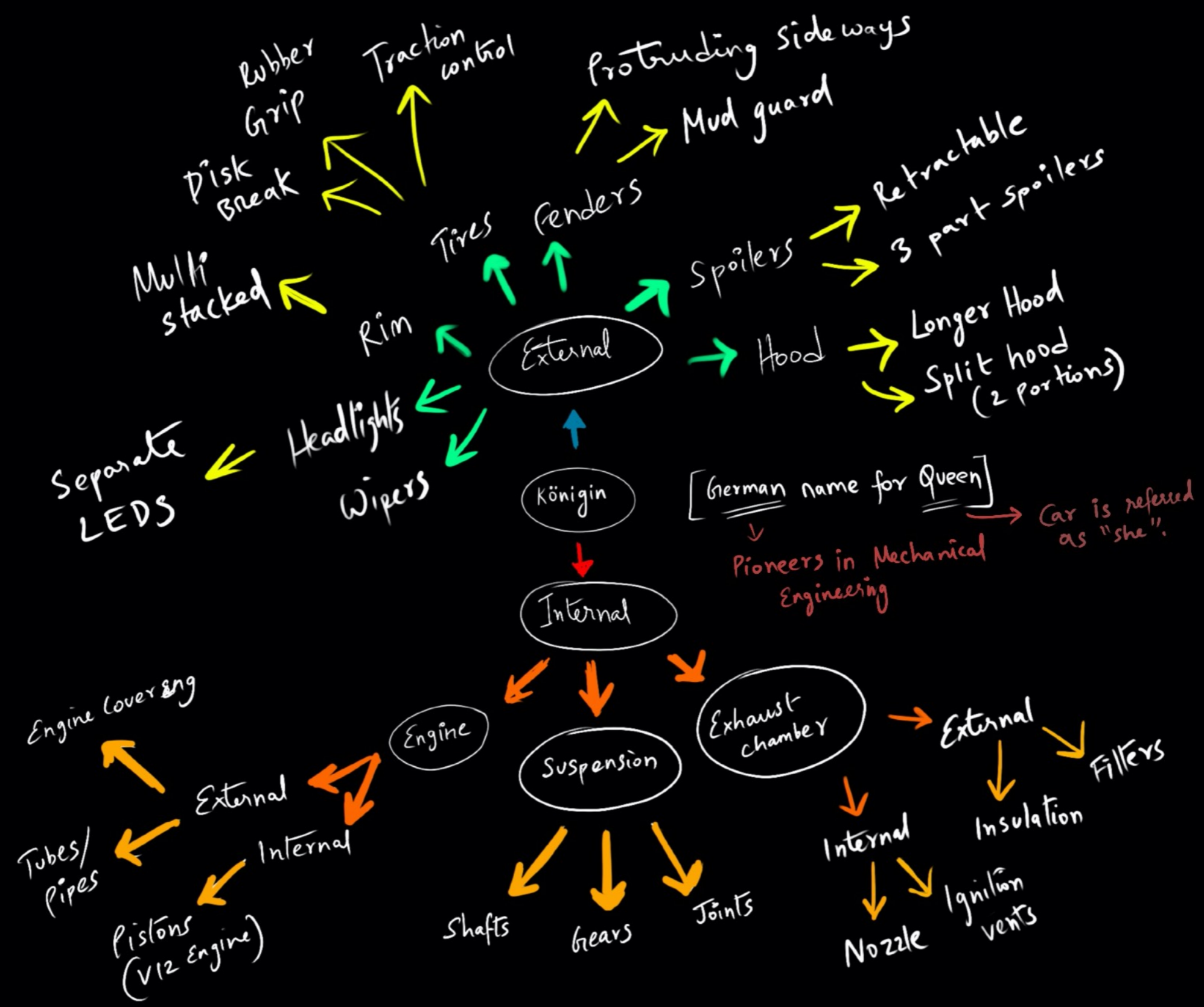




WIDE ANGLE .



# MIND MAP



## Checklist

Engine (Visible at the back - glass covering)

Spoilers

Bonnet

Car exterior

Open car - 2 Seats

Exhaust

Tires with heavy rims

Head Lights

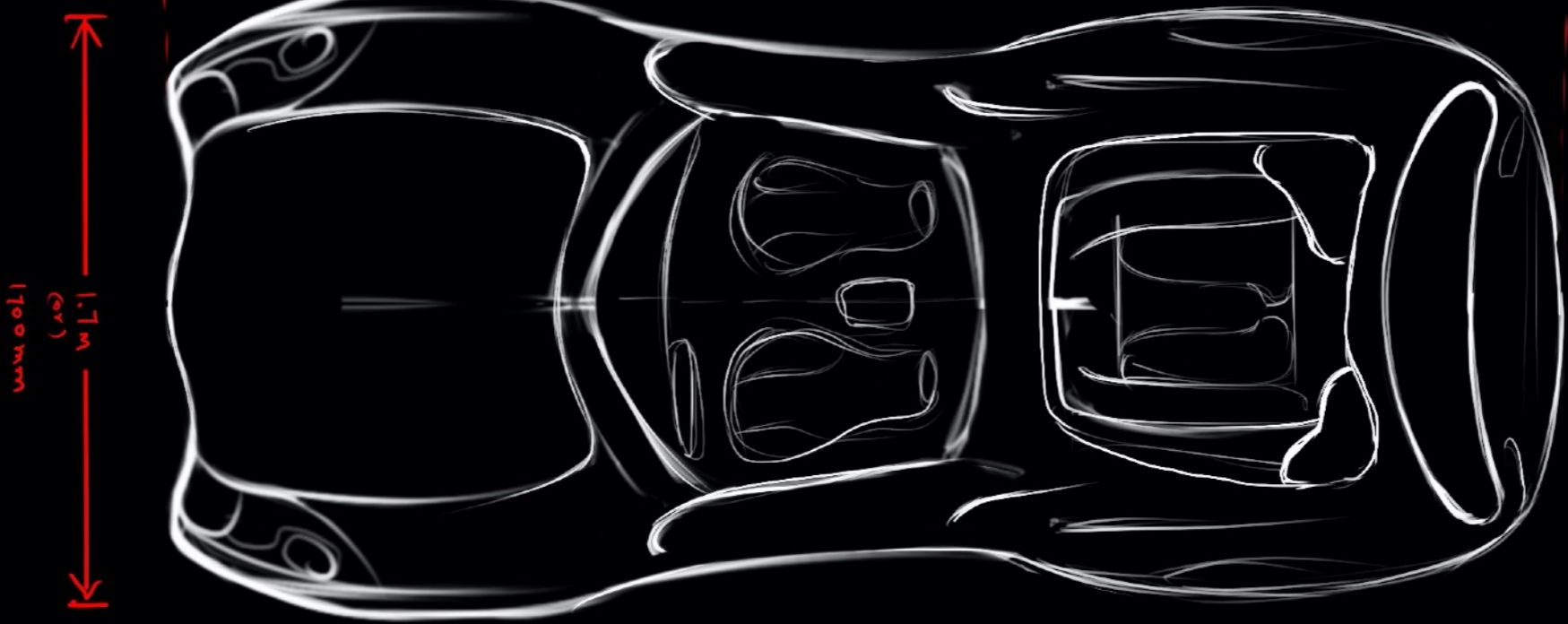
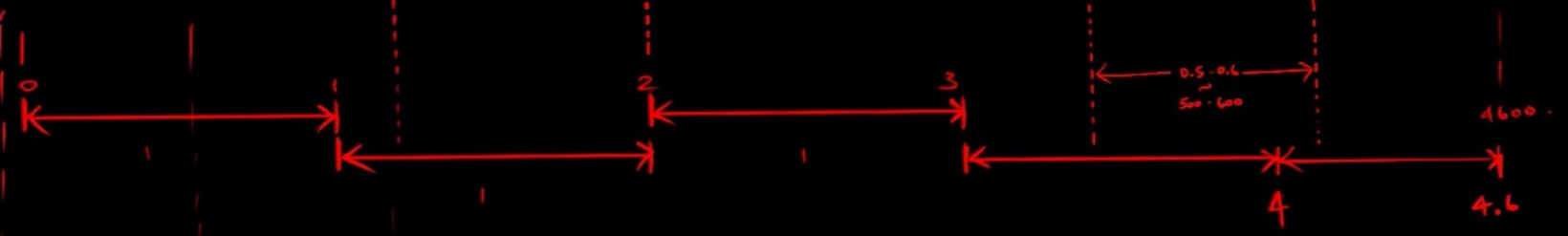
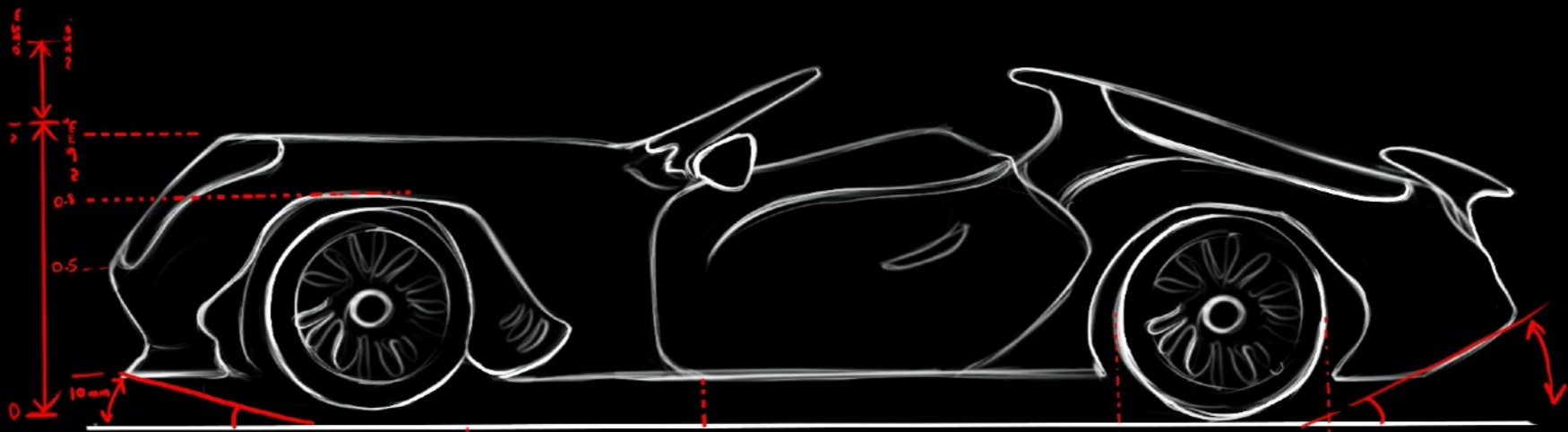
Interior - Gears , Steering , Controls

Wipers

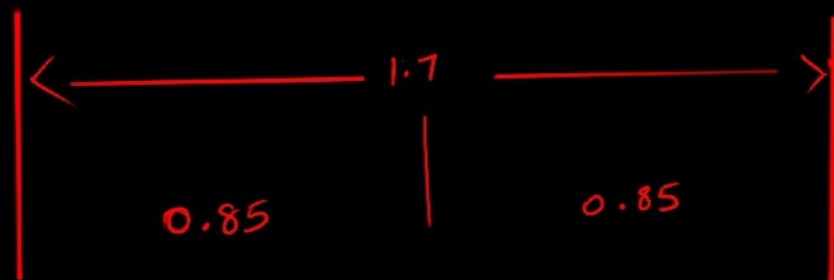
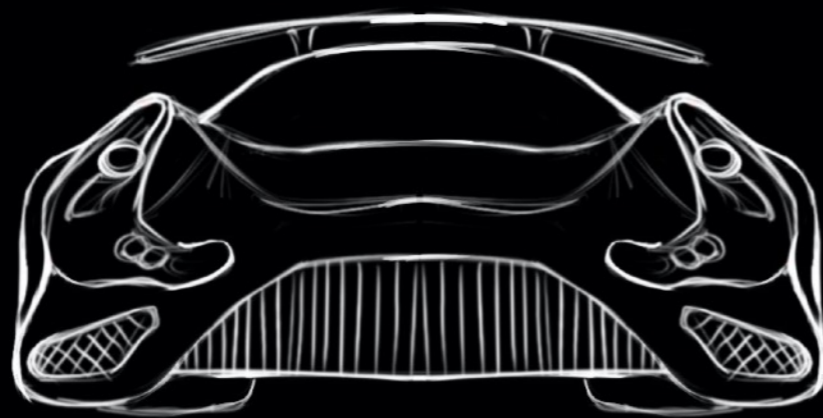
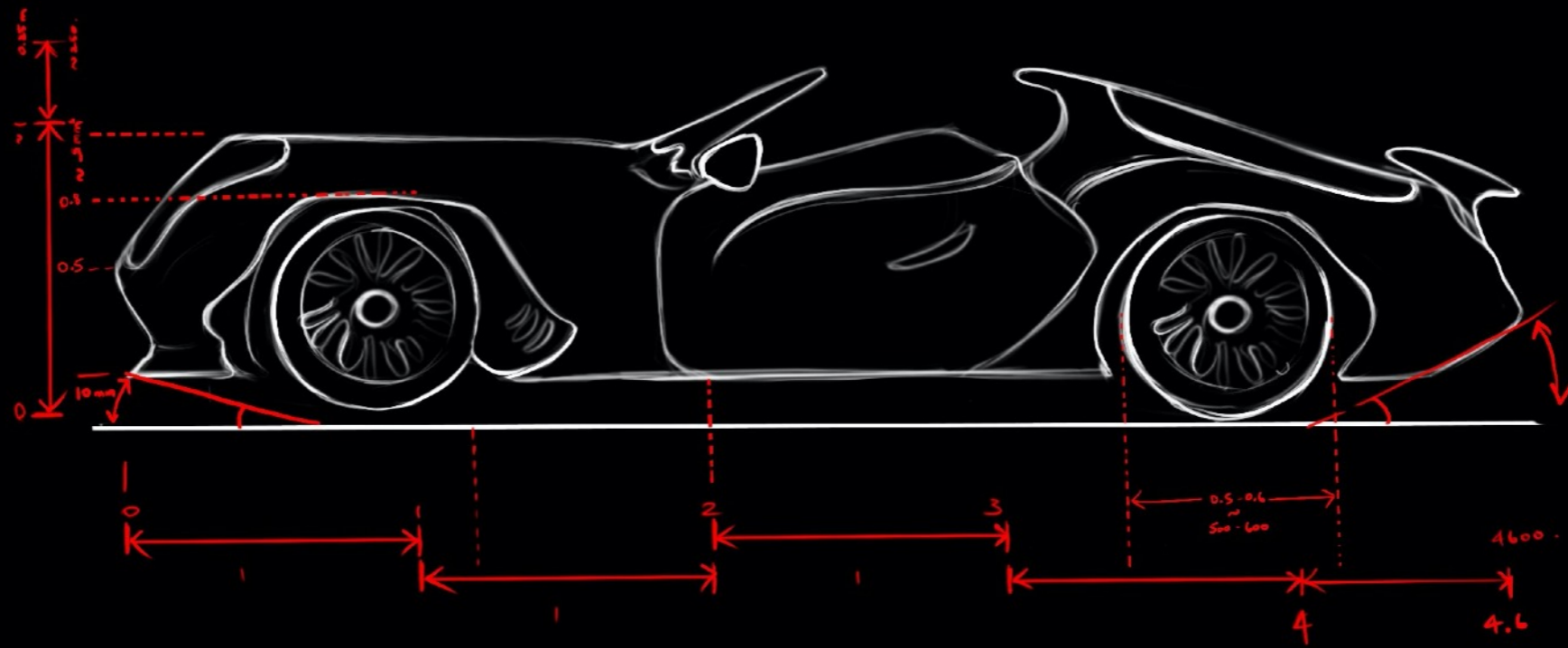
Vents and grills

Rearview mirrors

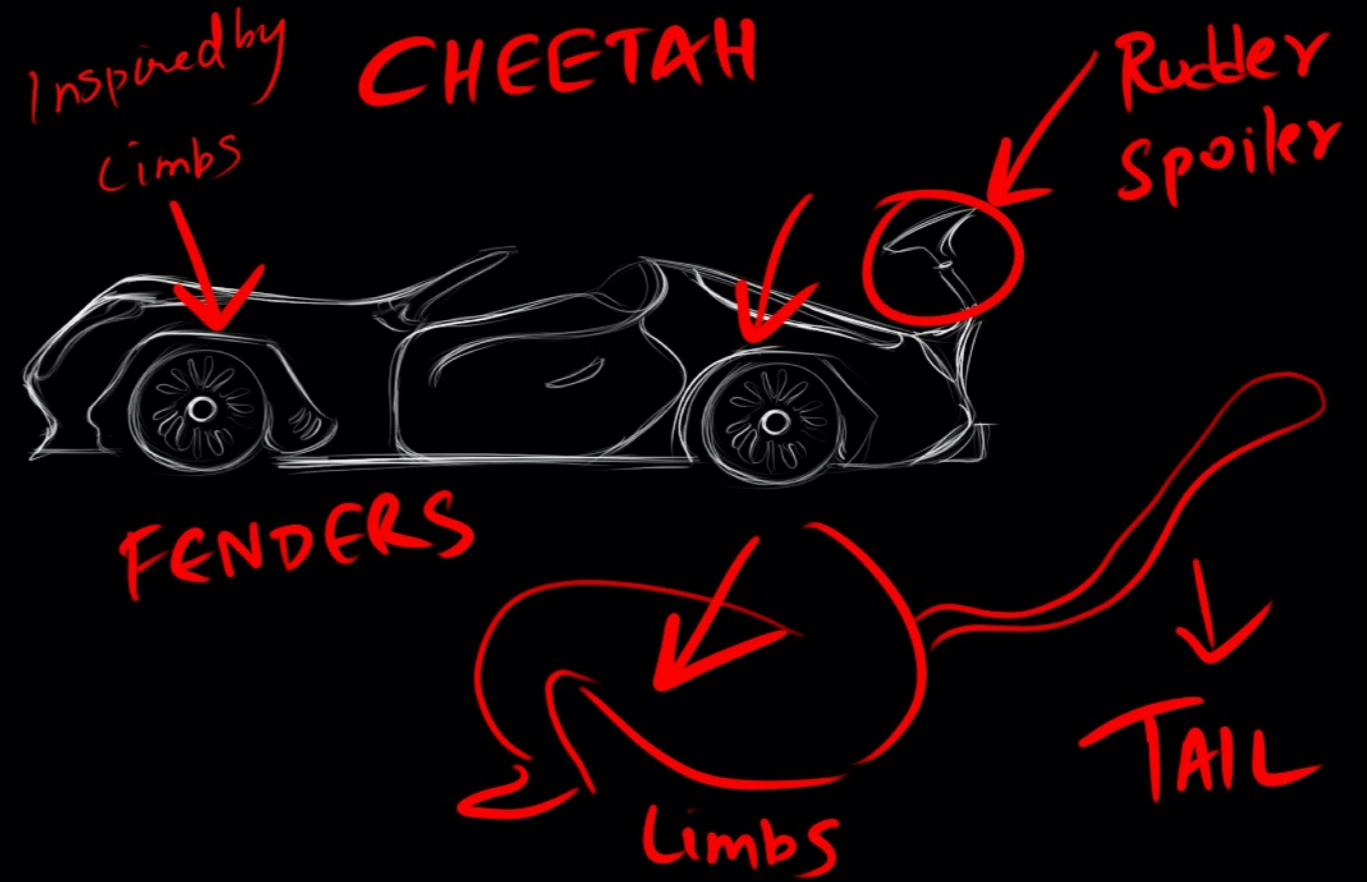
Horizontal Lights







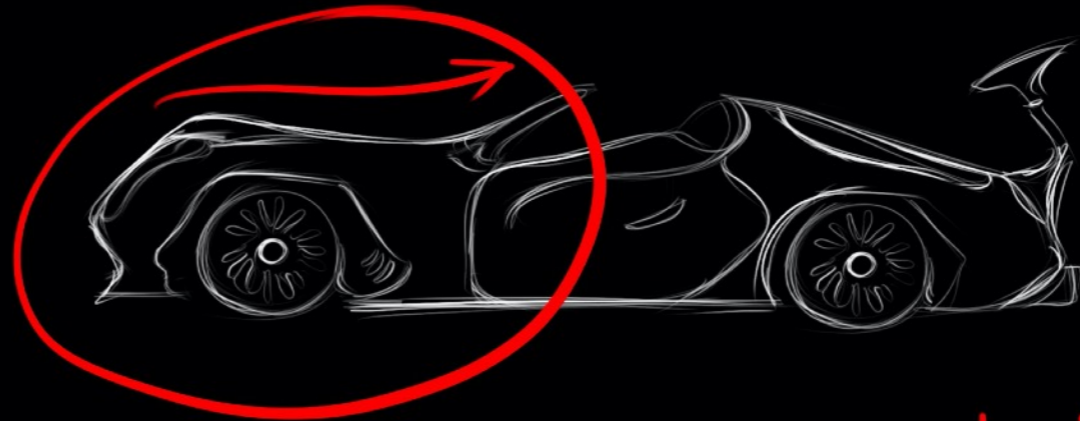
# BIOMIMICRY - SURVIVAL ABILITIES



- Longer TAIL greater balance and stability (turning)
- Quicker Deceleration



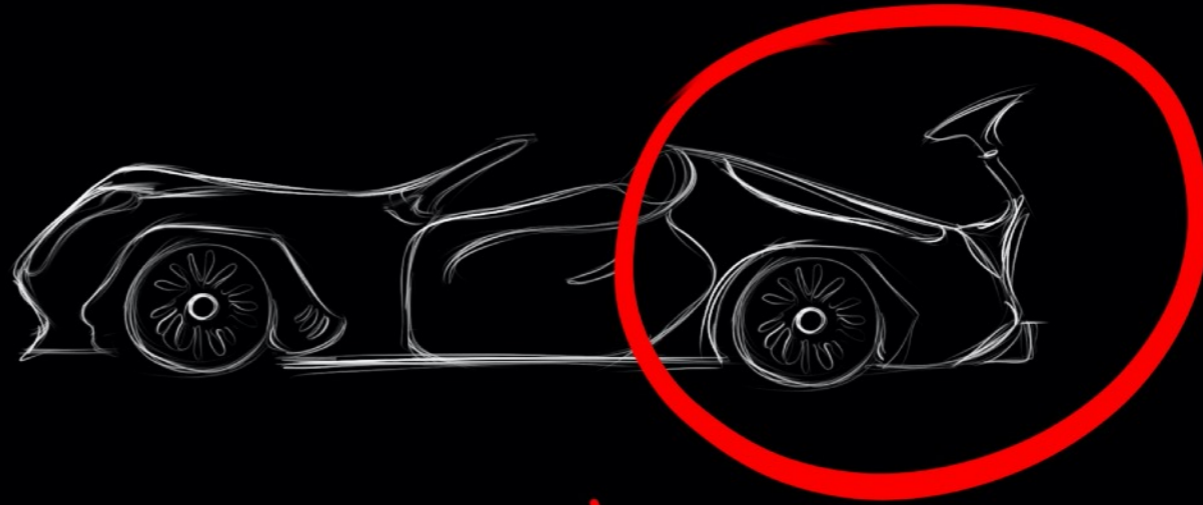
## ALBATROSS



- Bigger Hood for better Heat dissipation (Suspension engine, mechanical parts Cool down).
- Aerodynamic and stable
- Split Hoods



BUG



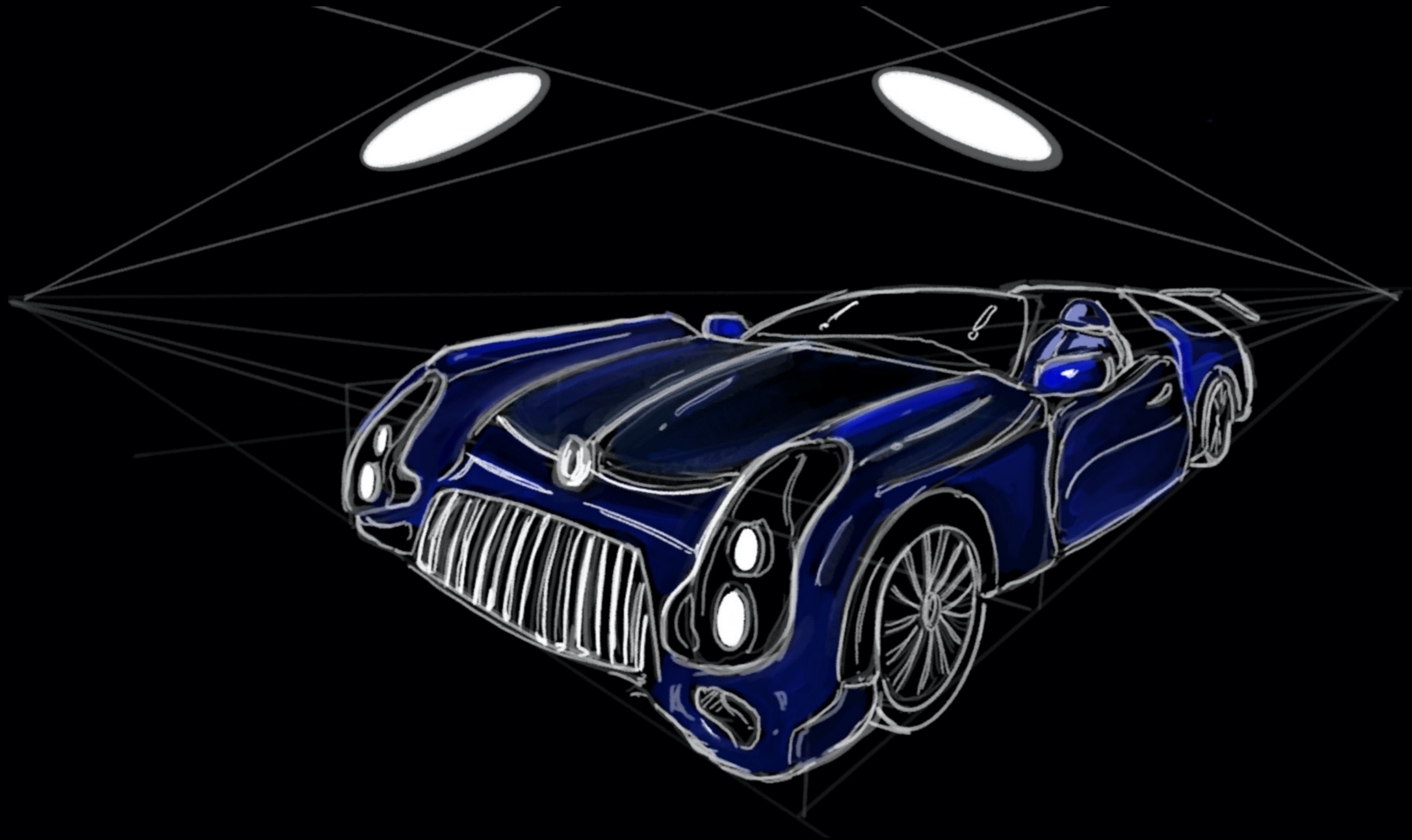
Curved

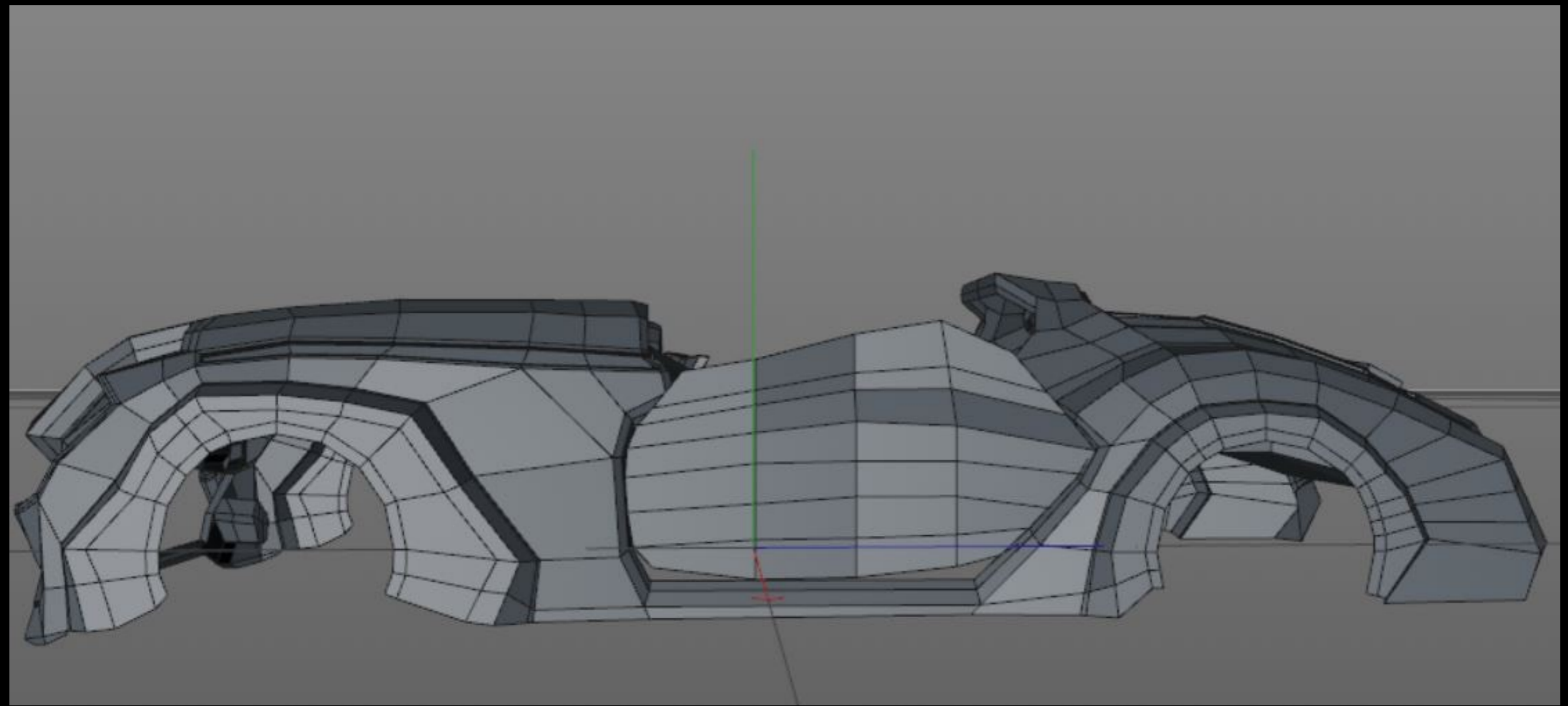
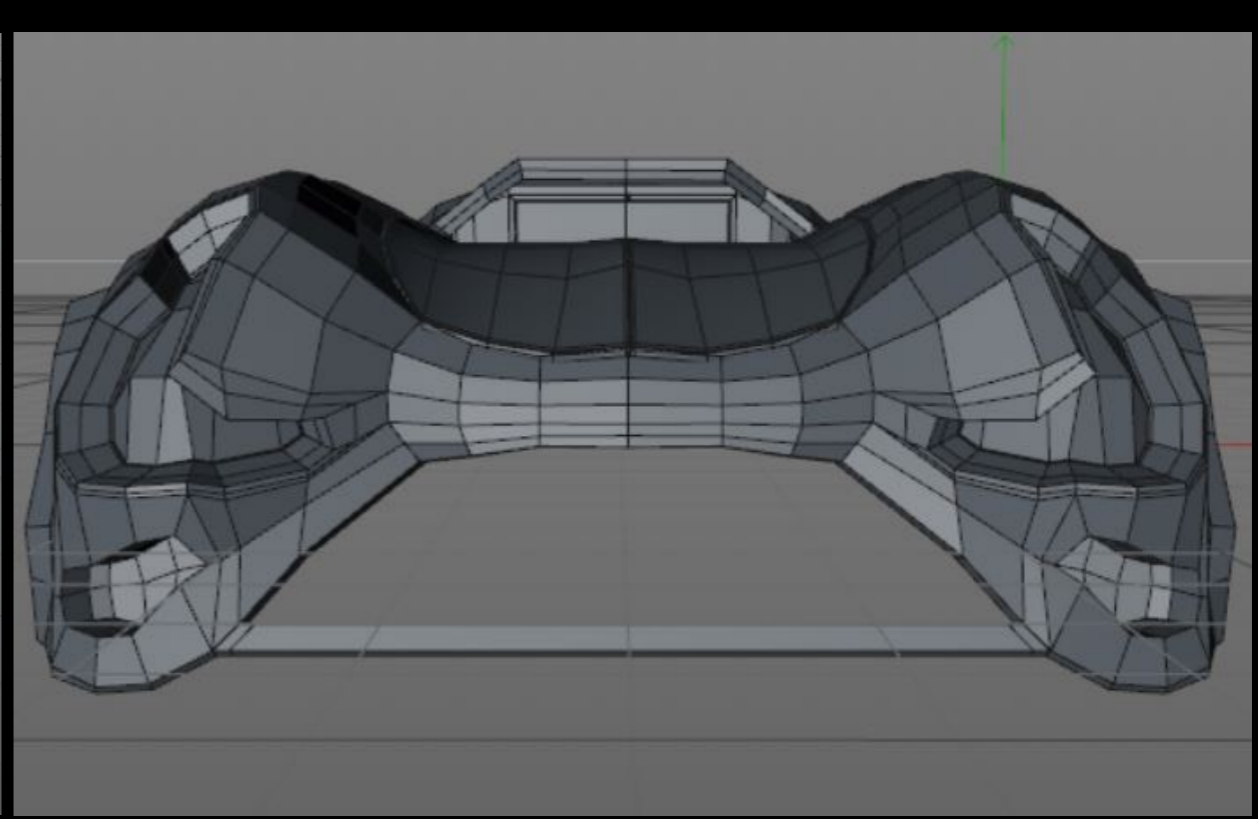
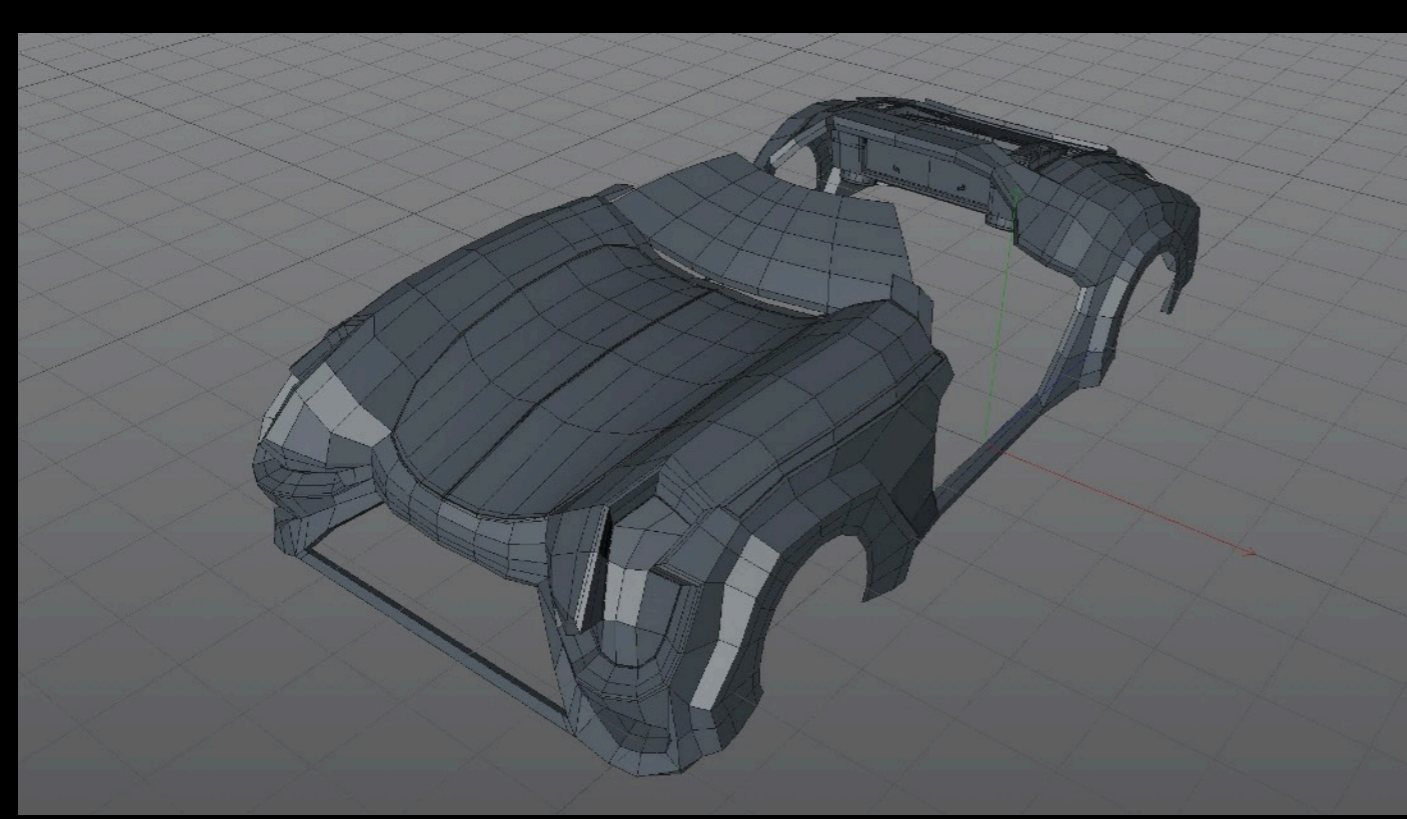
Flat

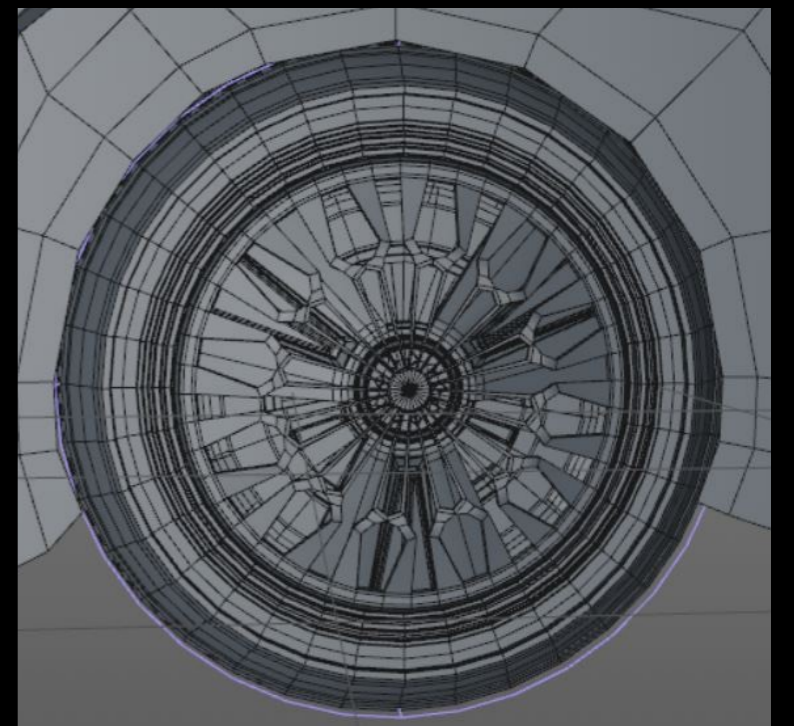
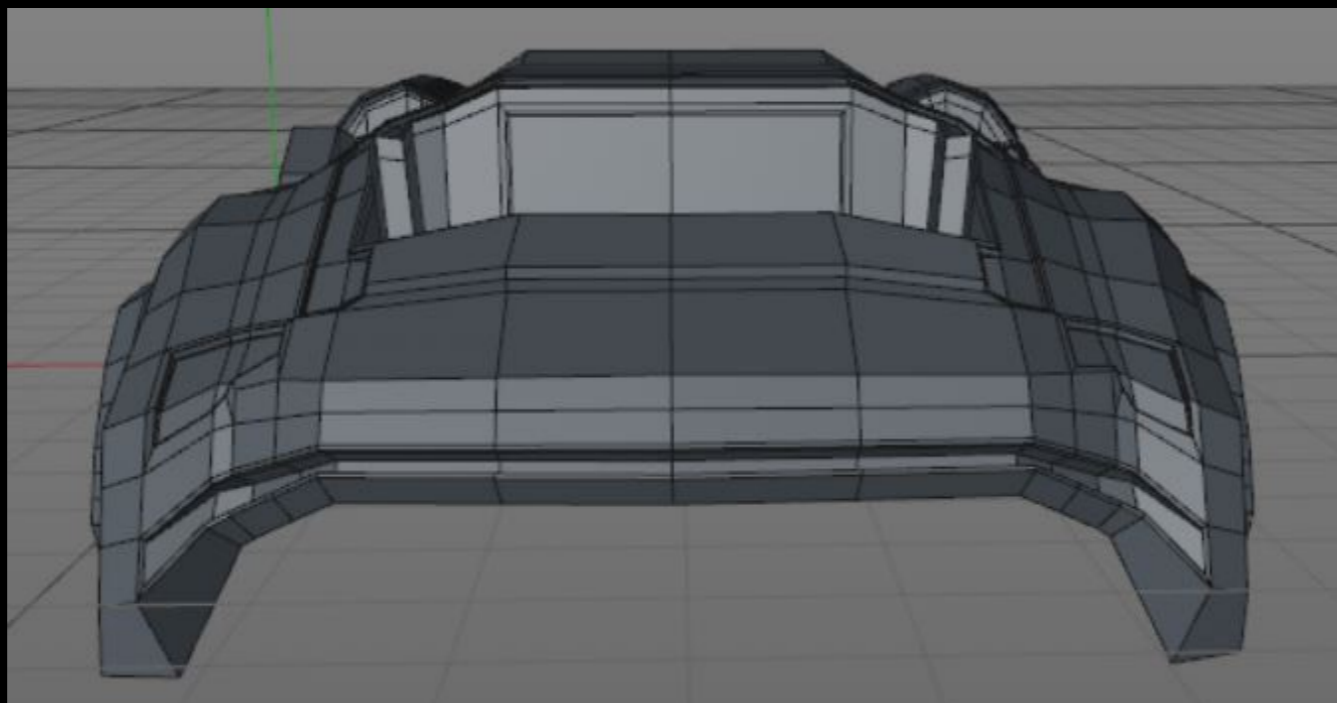
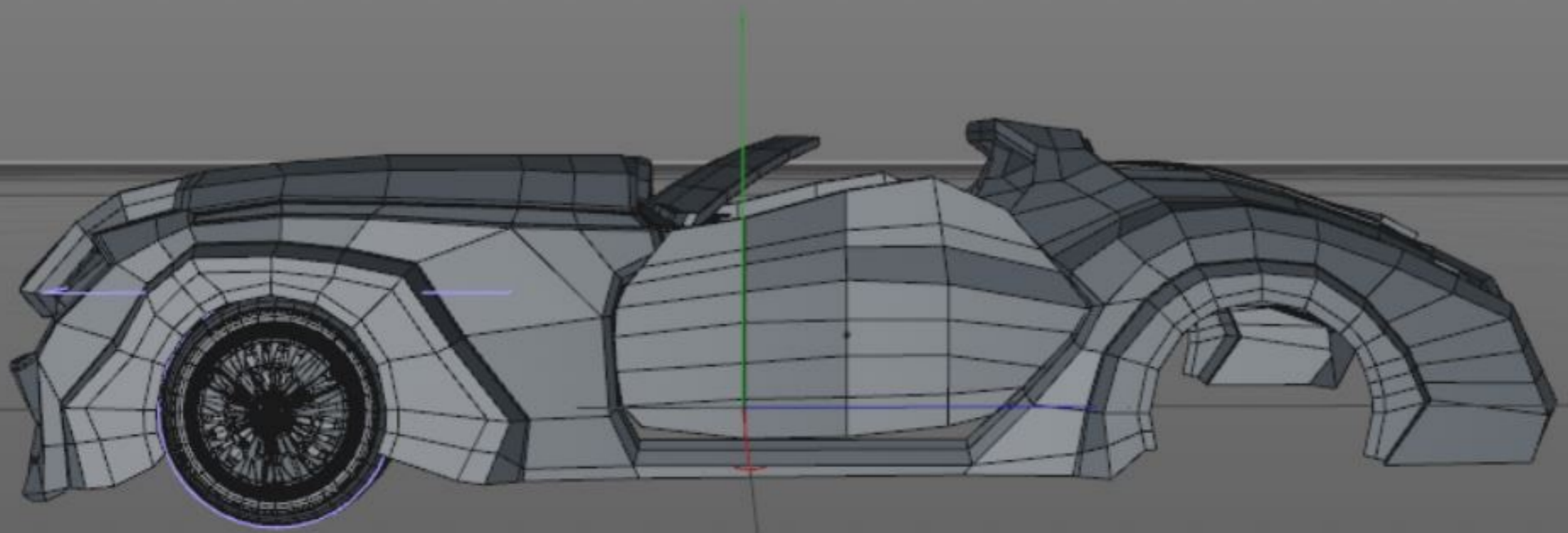
low  
Ground  
clearance

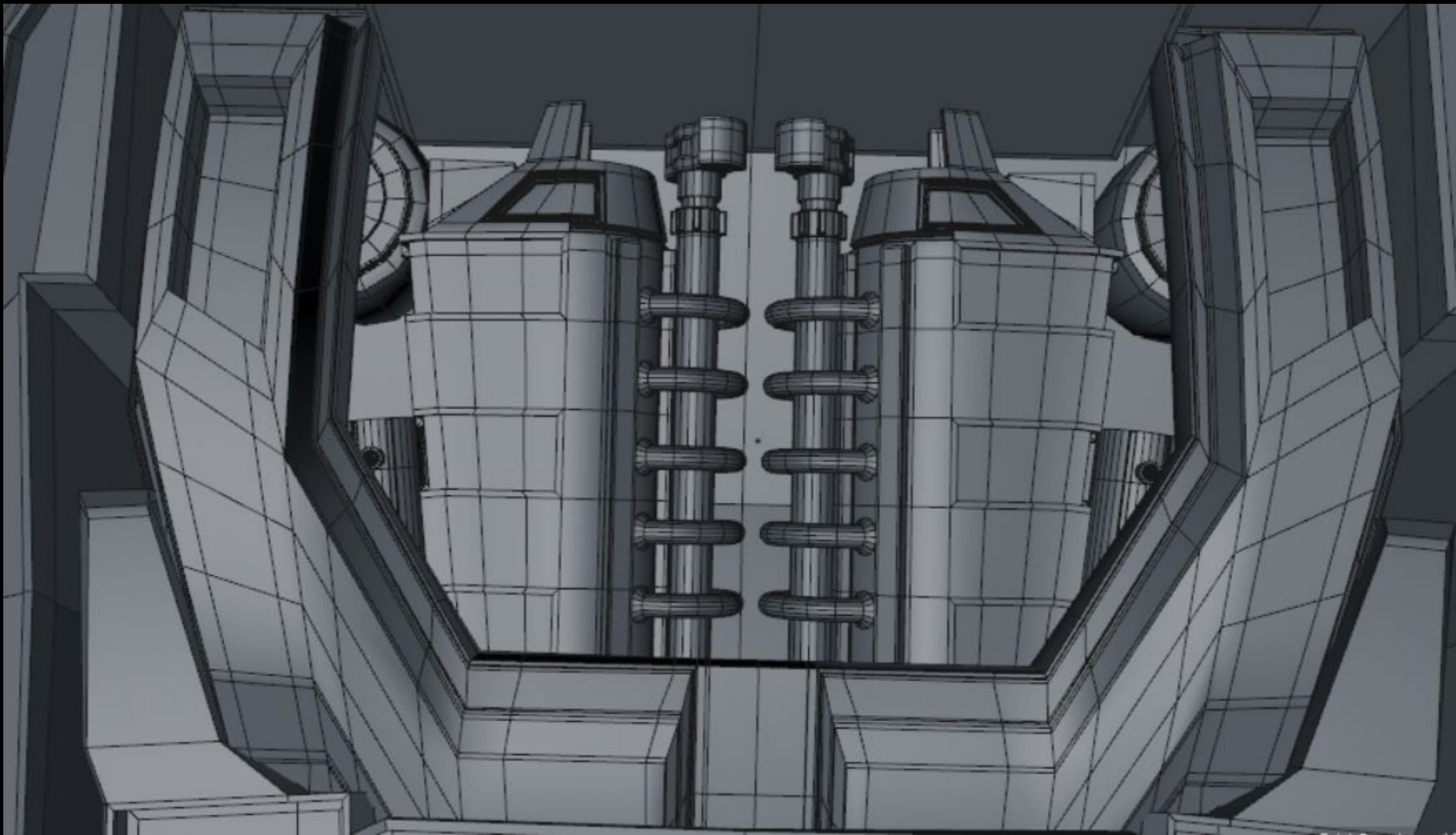
Less Drag

# COLORED PERSPECTIVE

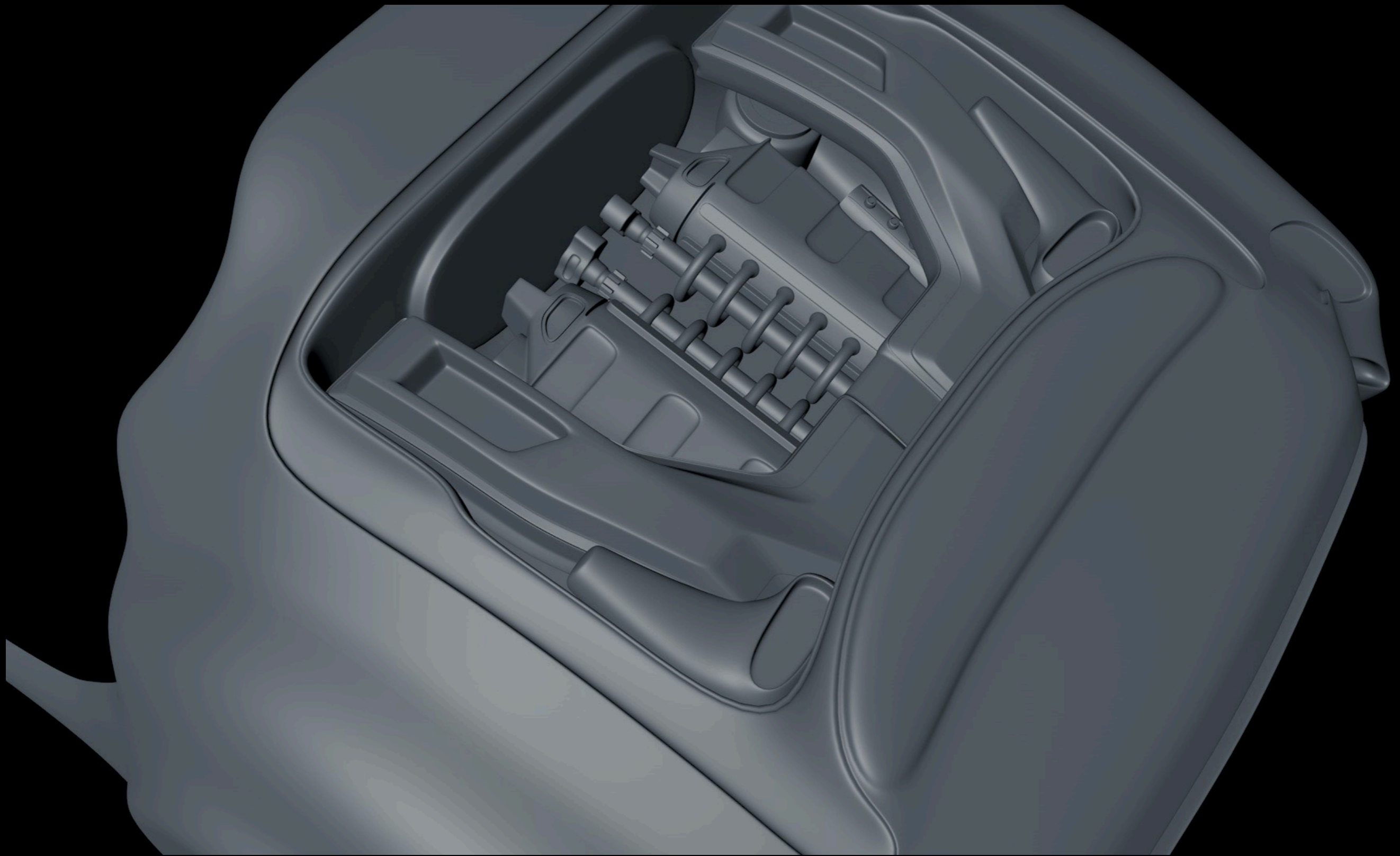




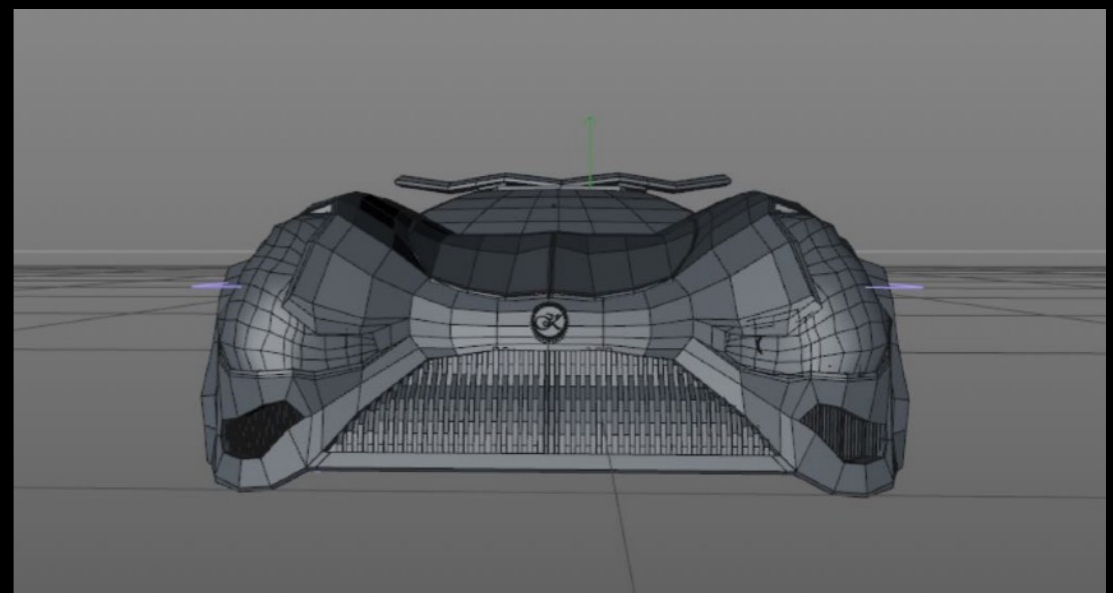
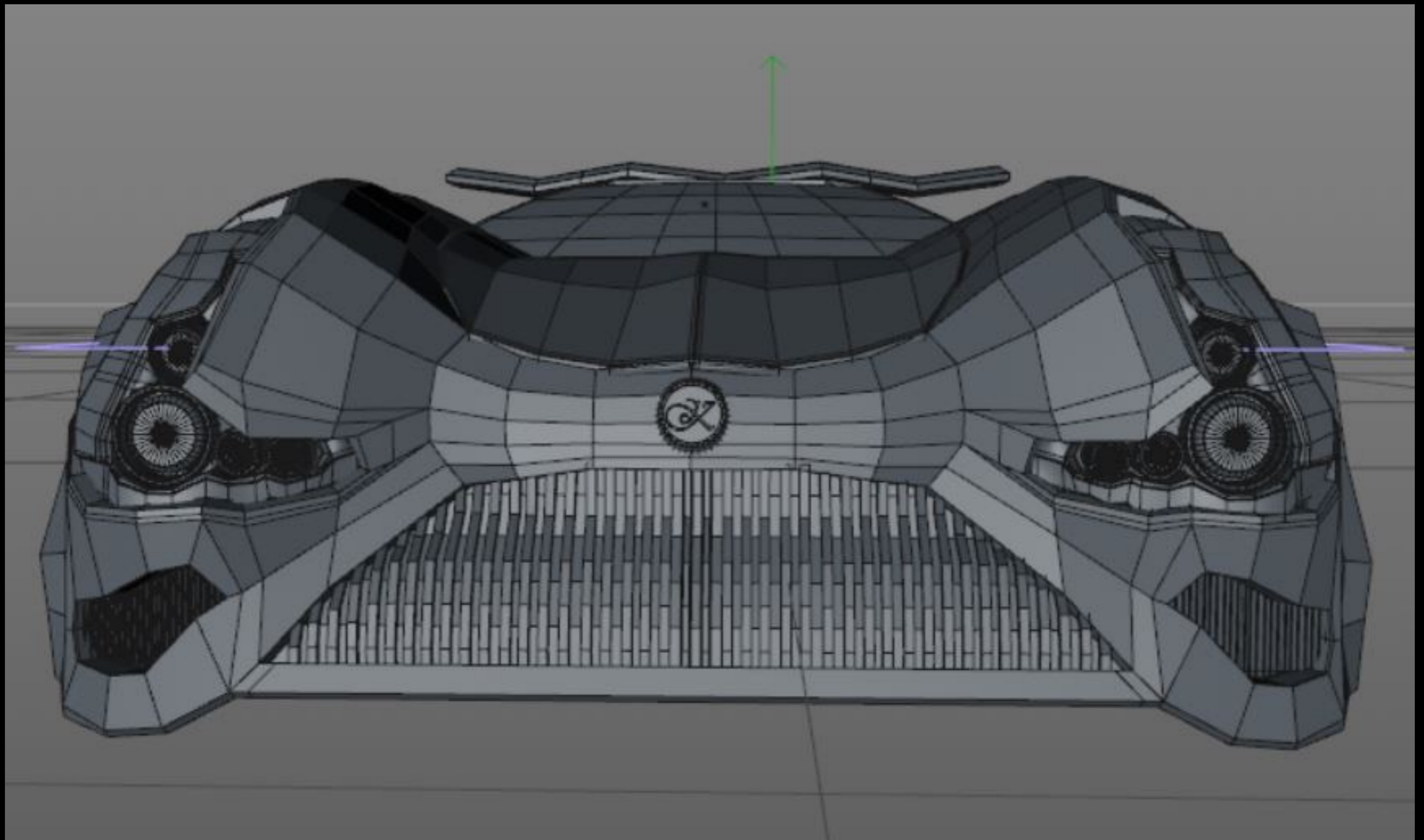


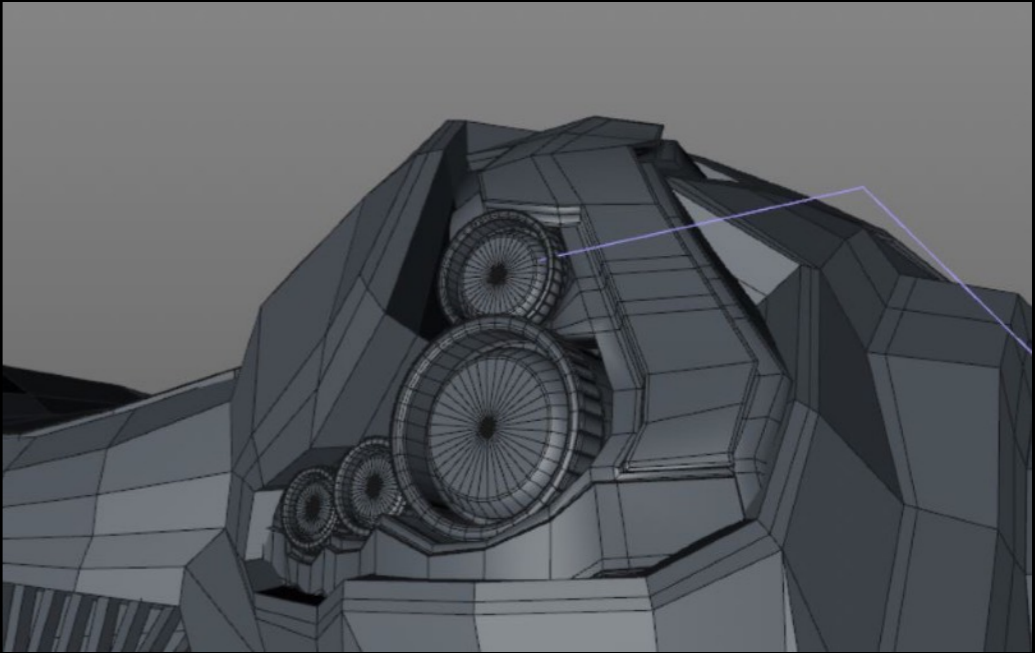
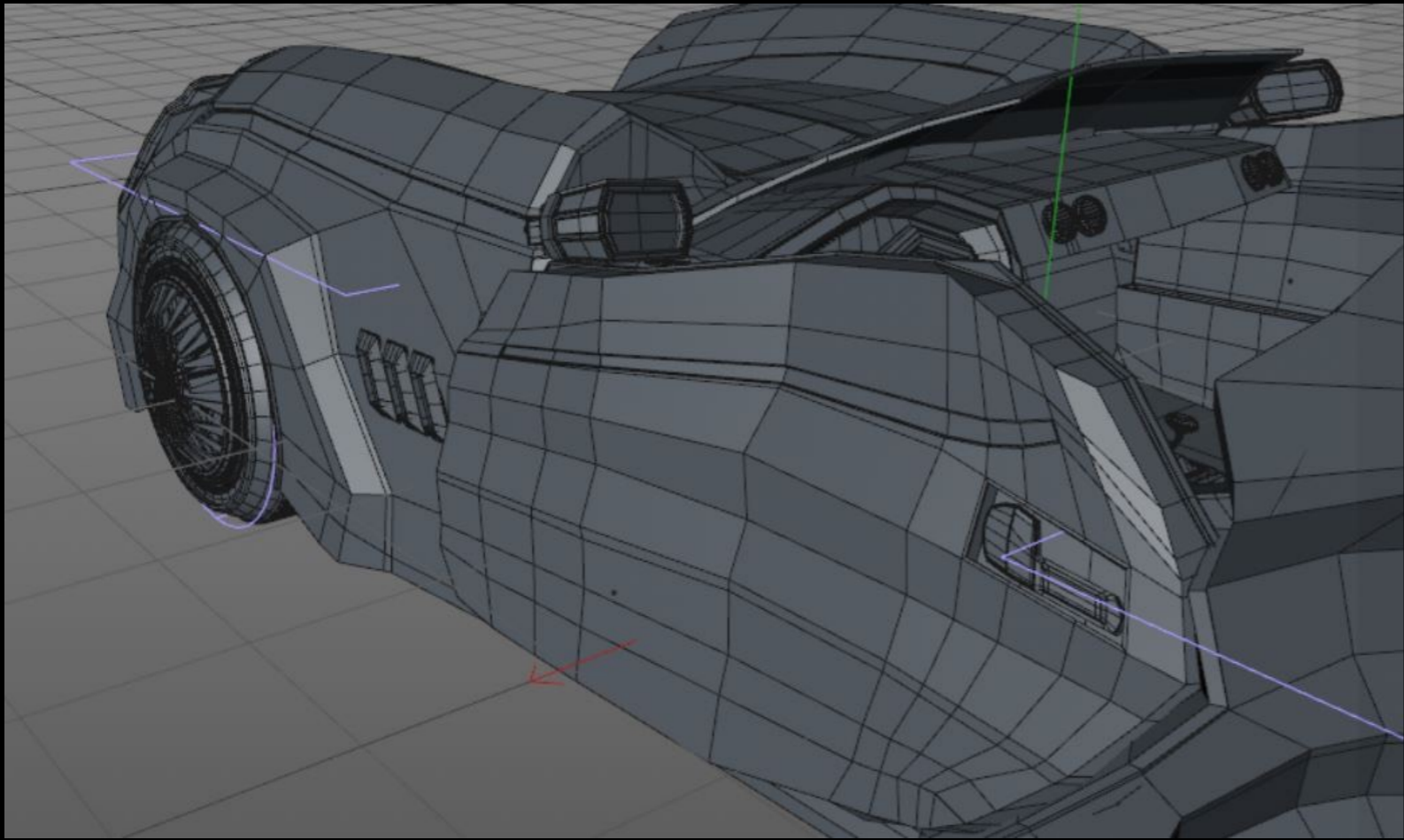
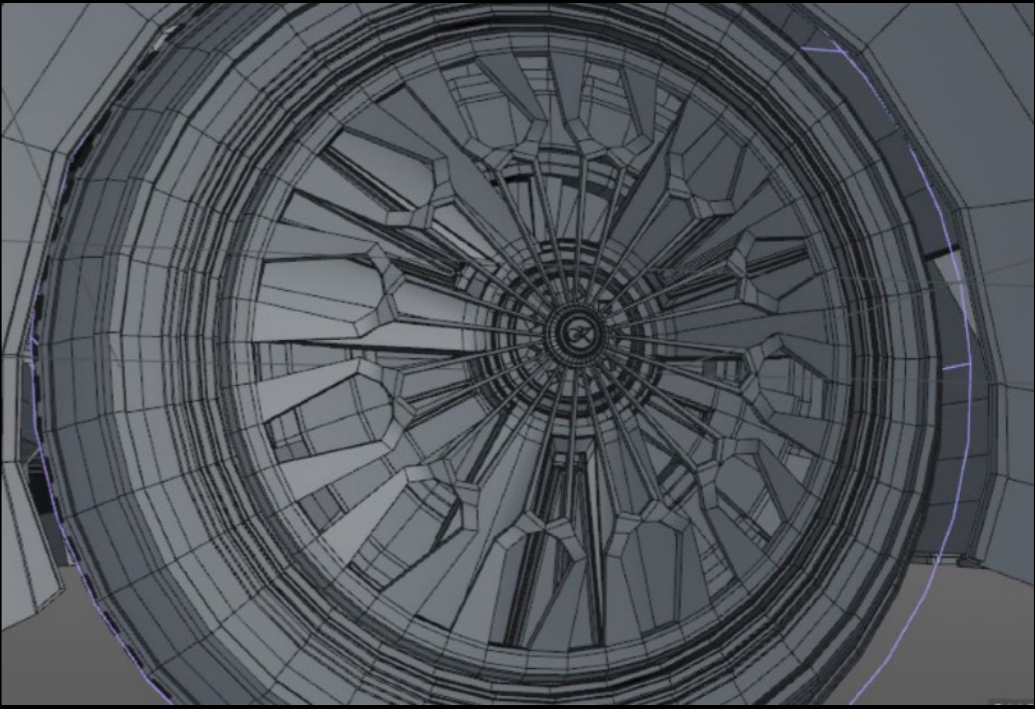
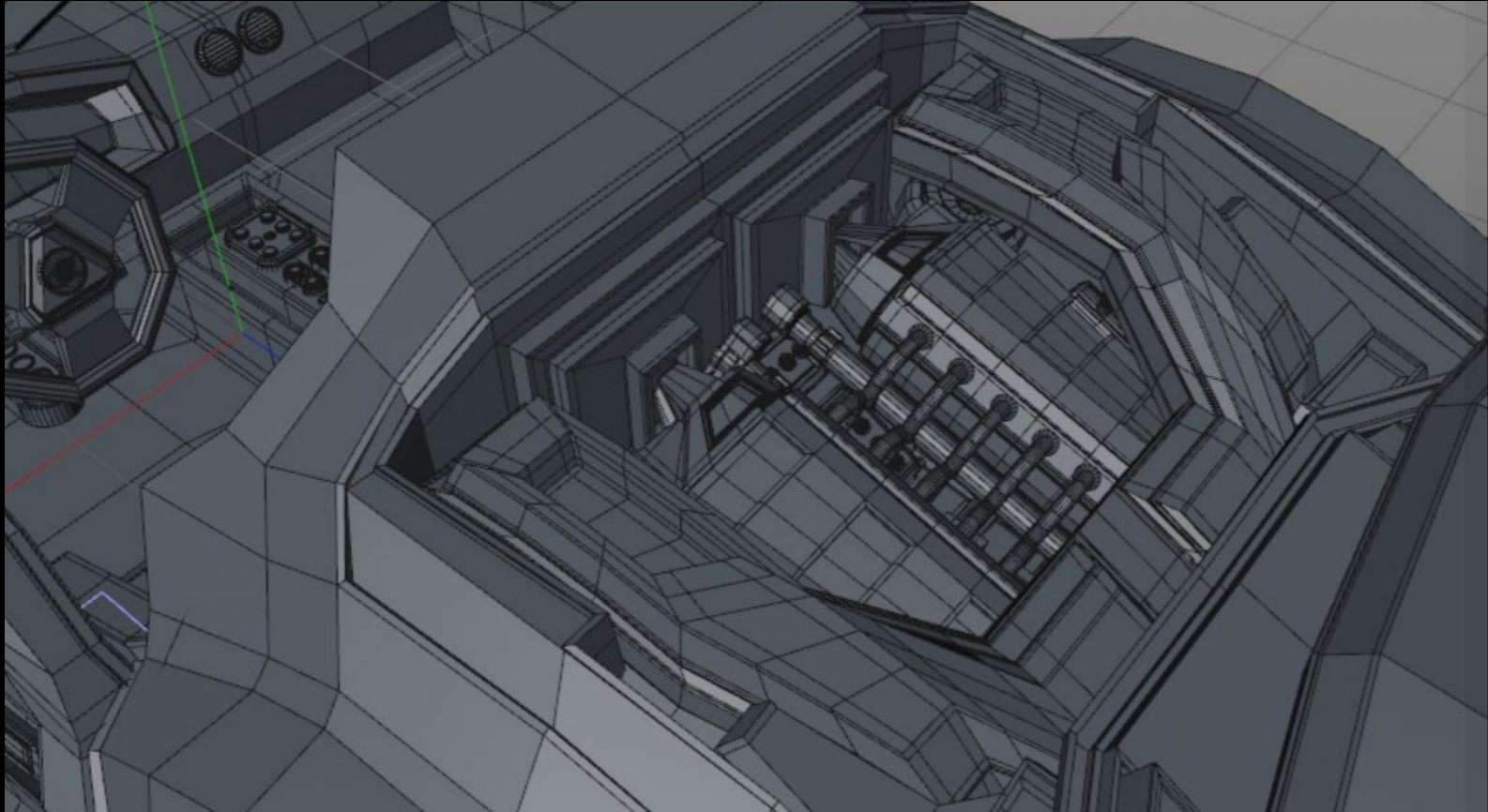


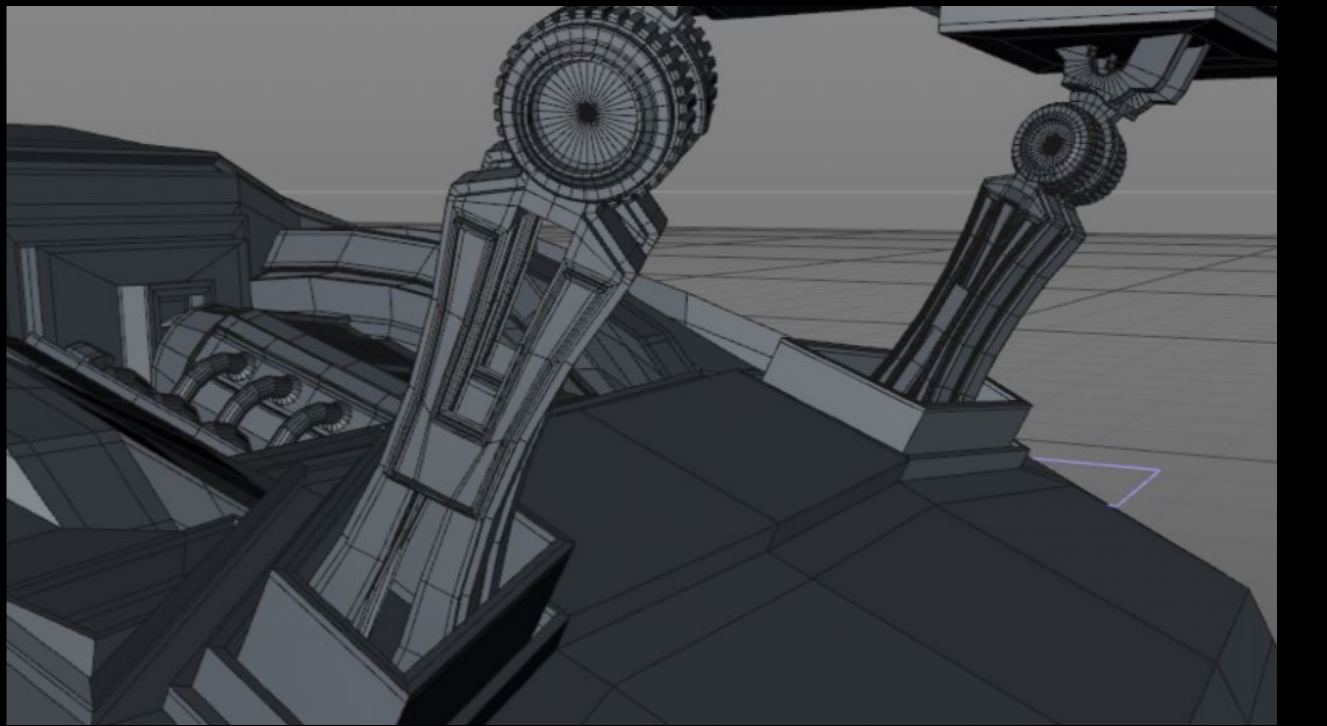
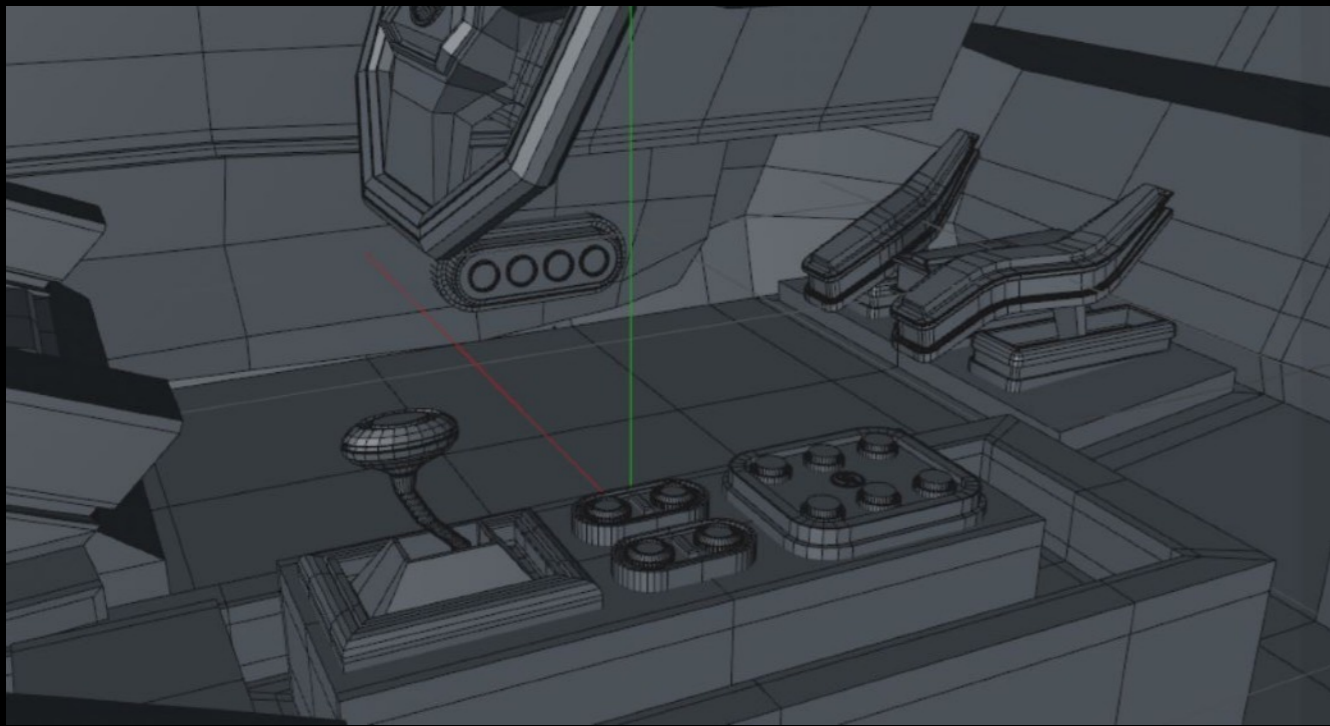
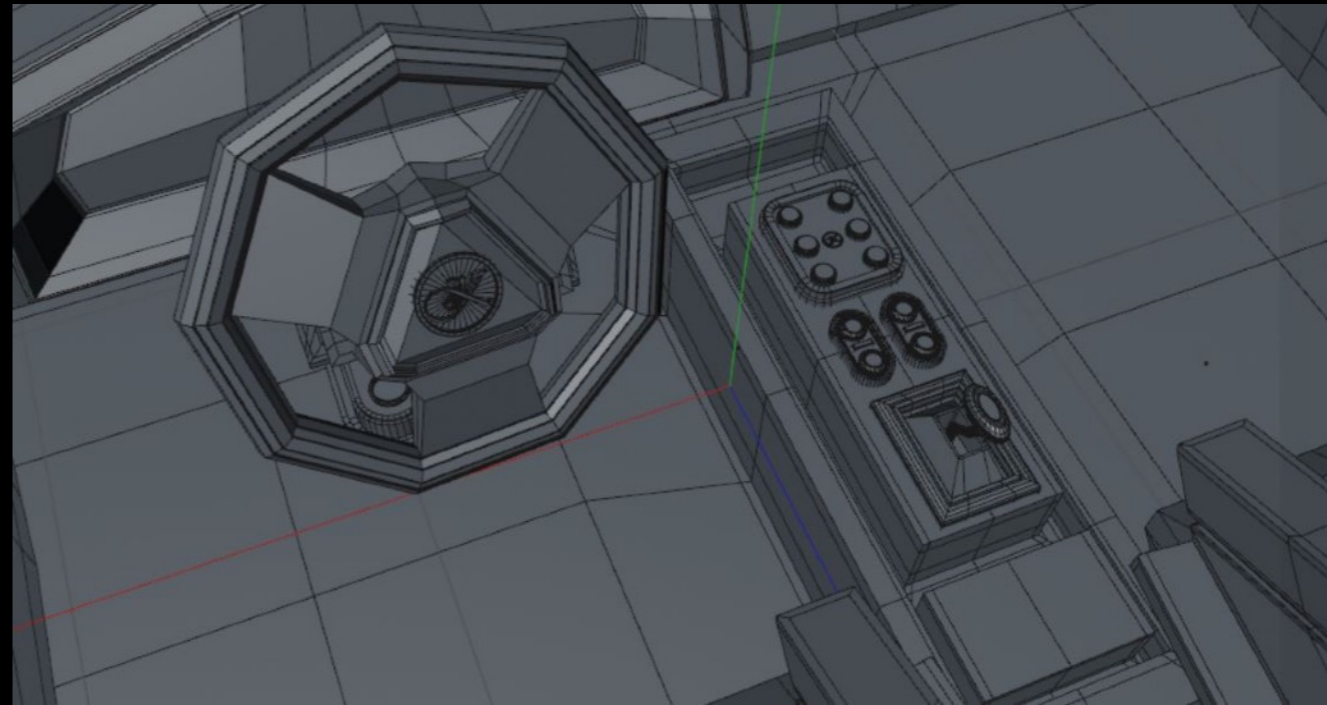
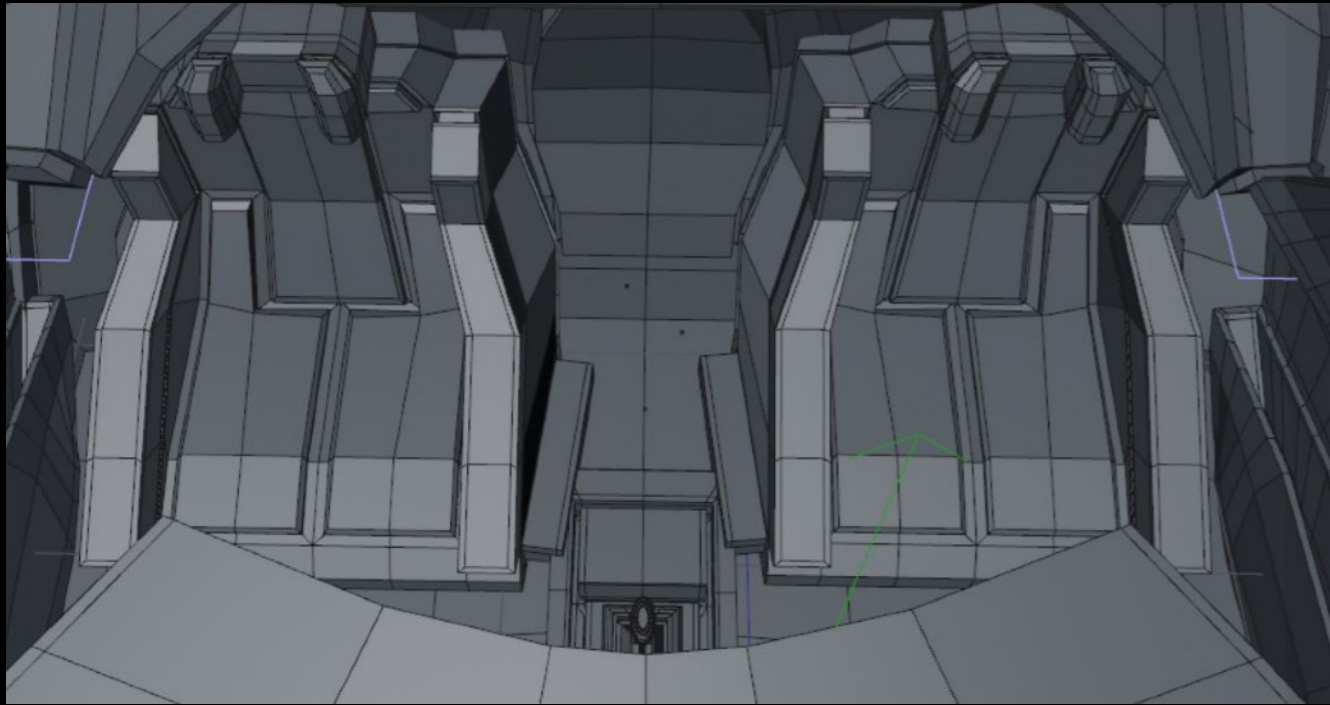


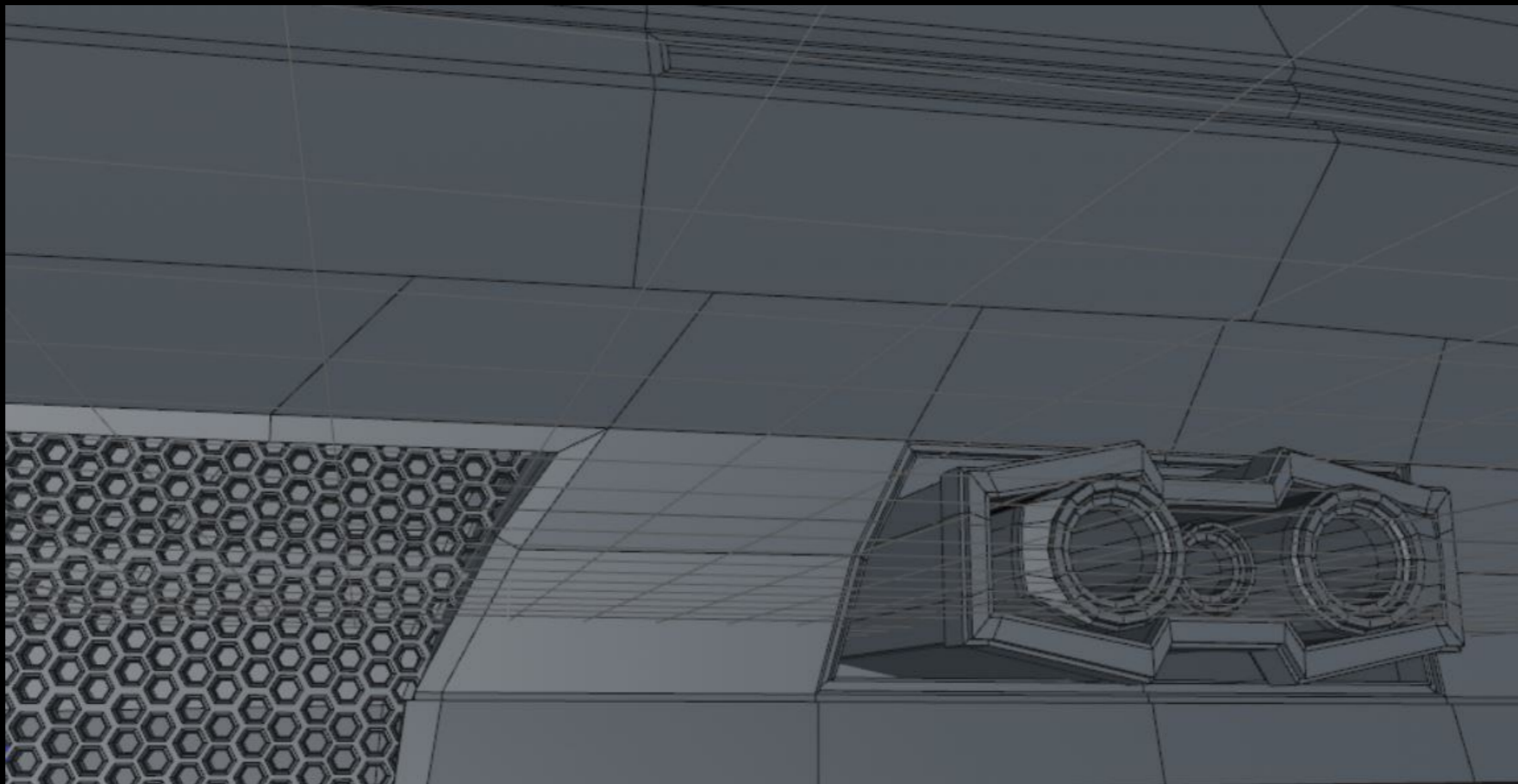
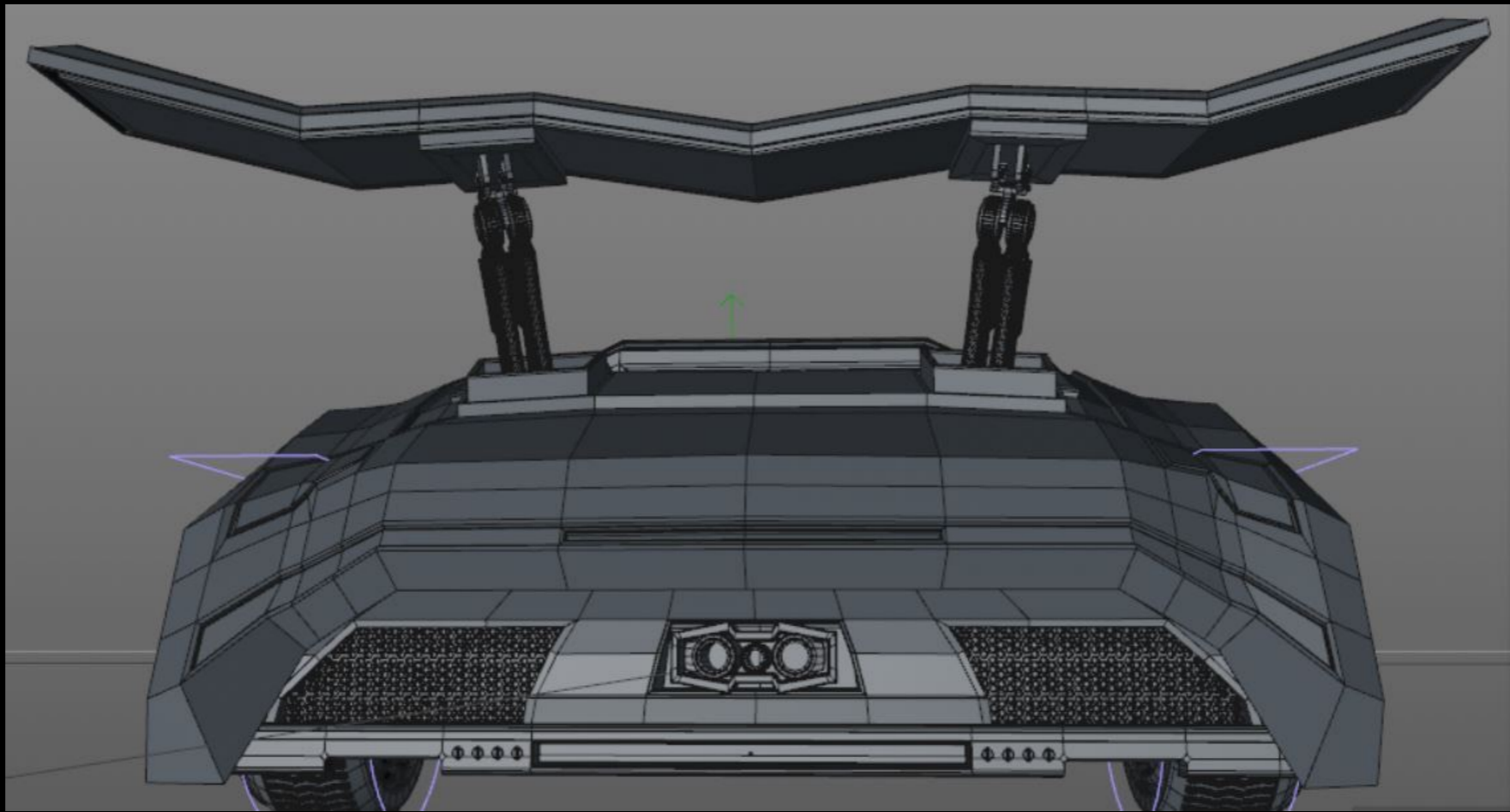


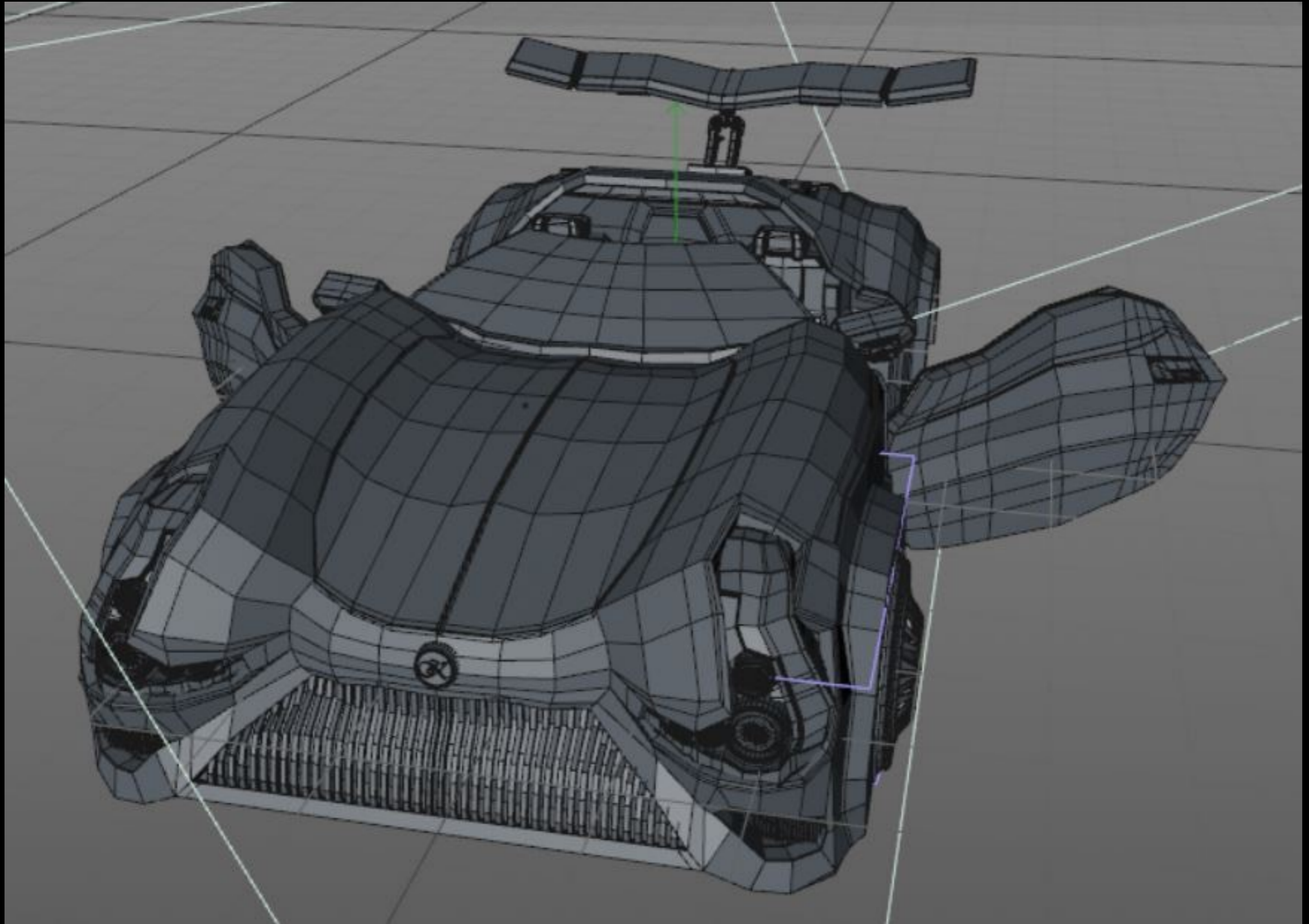


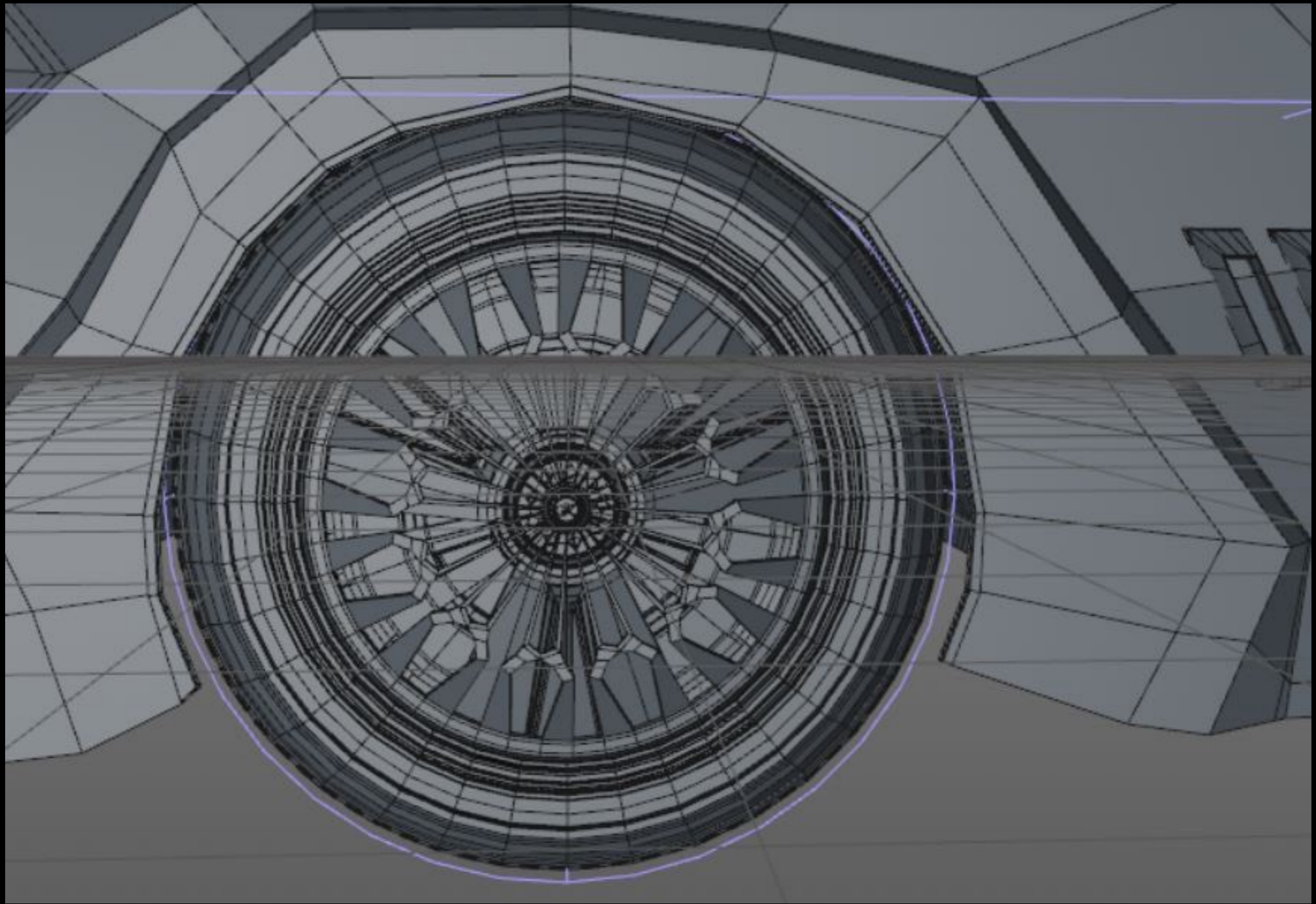




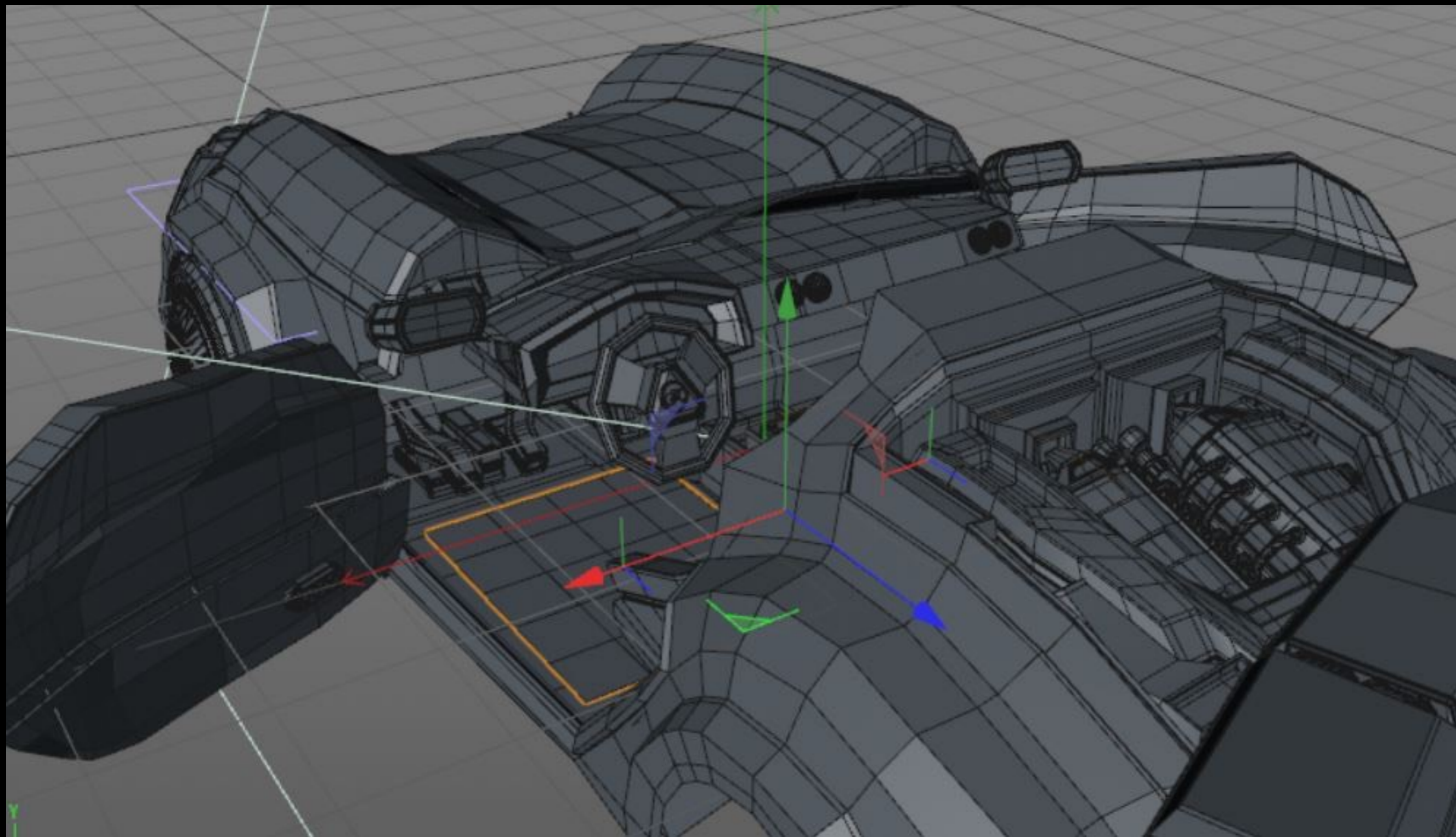


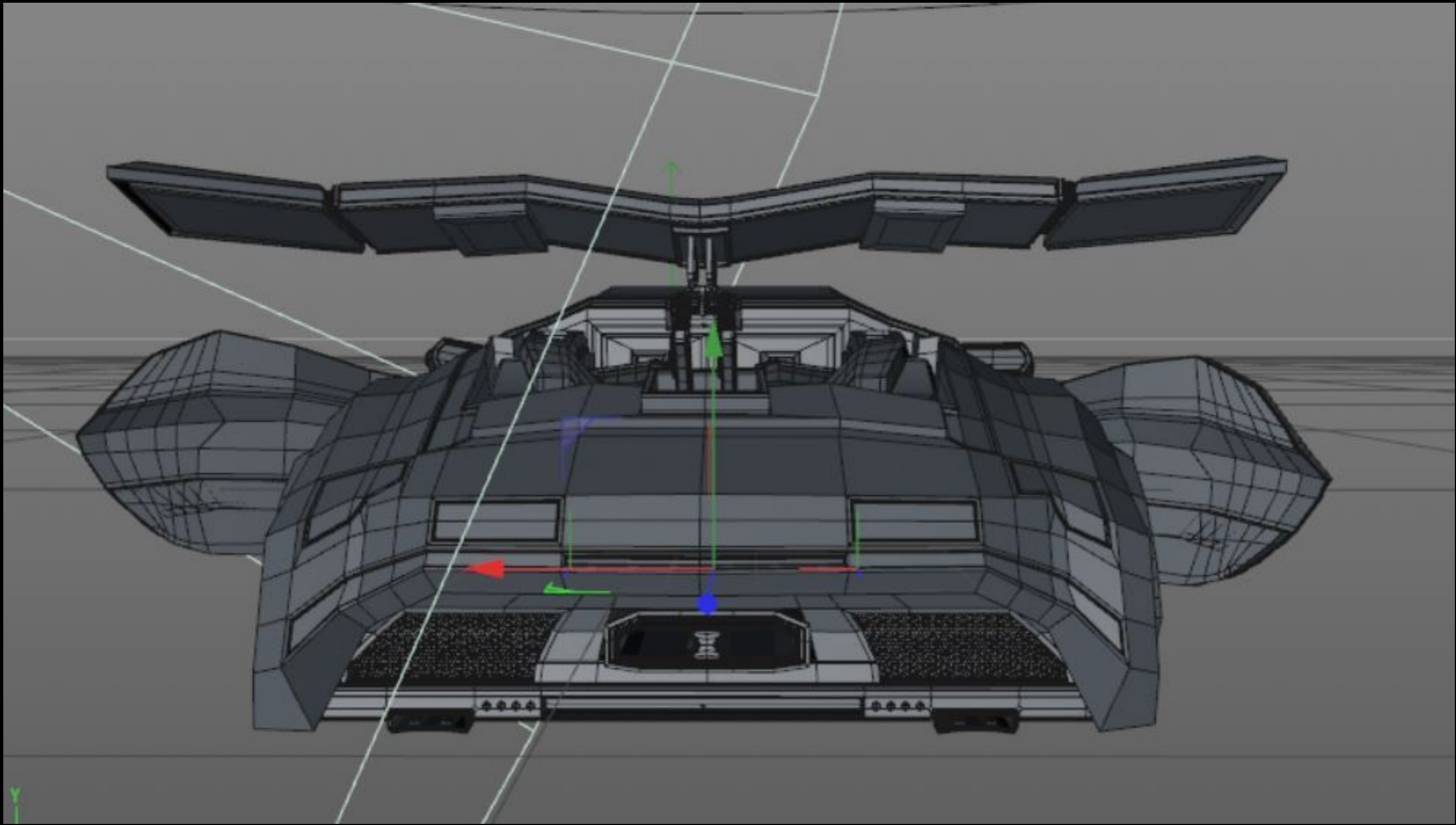


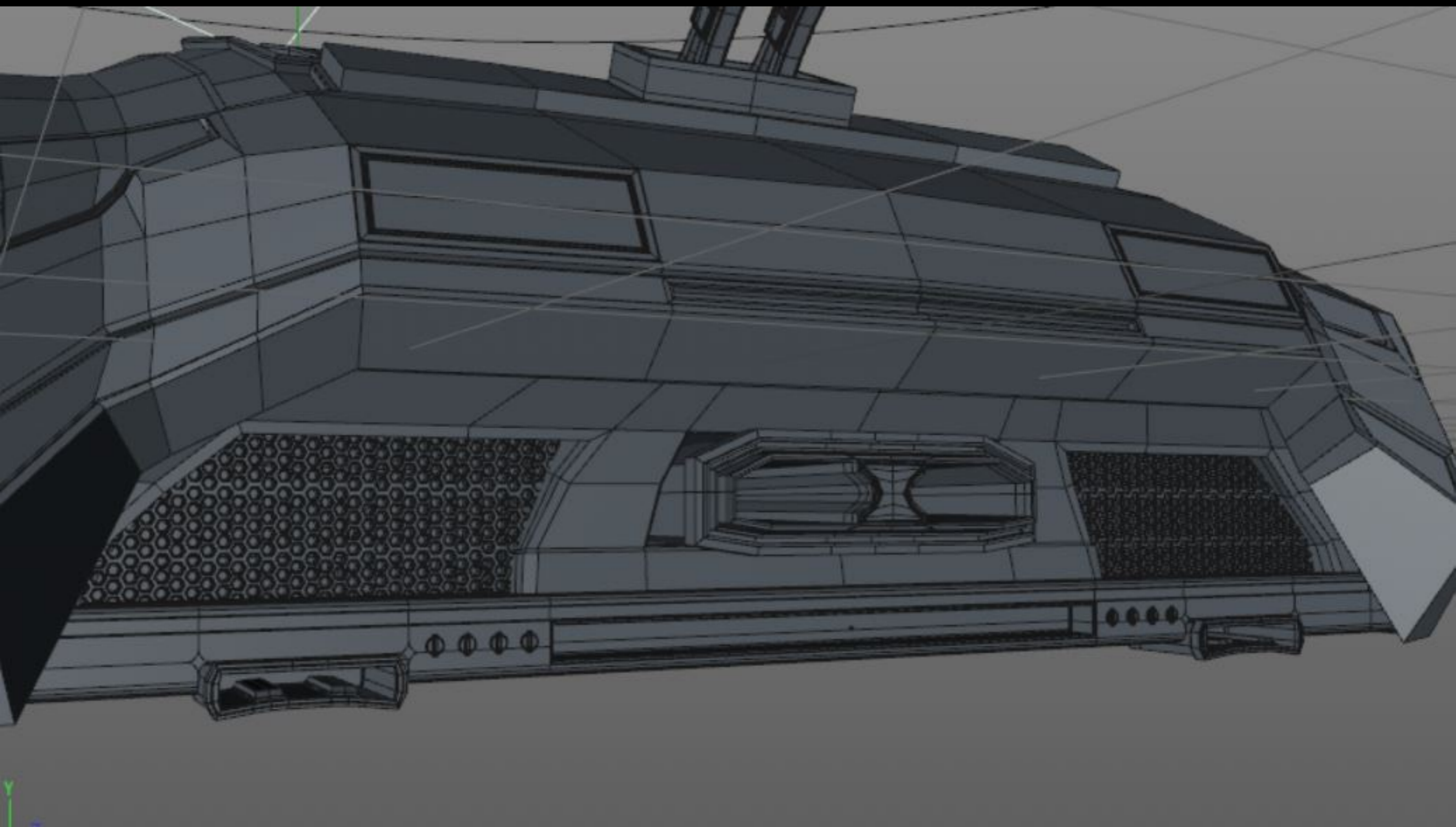


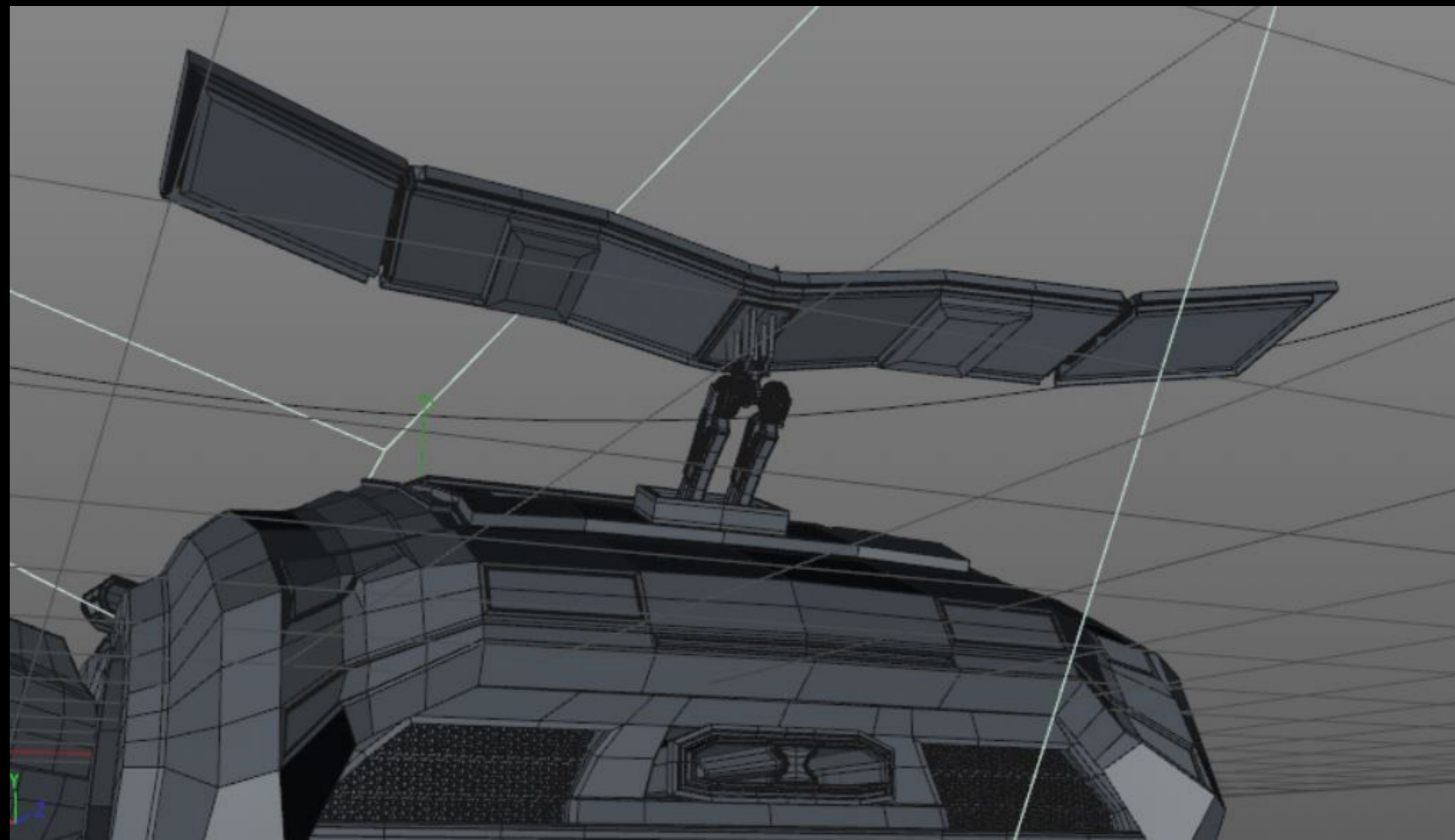


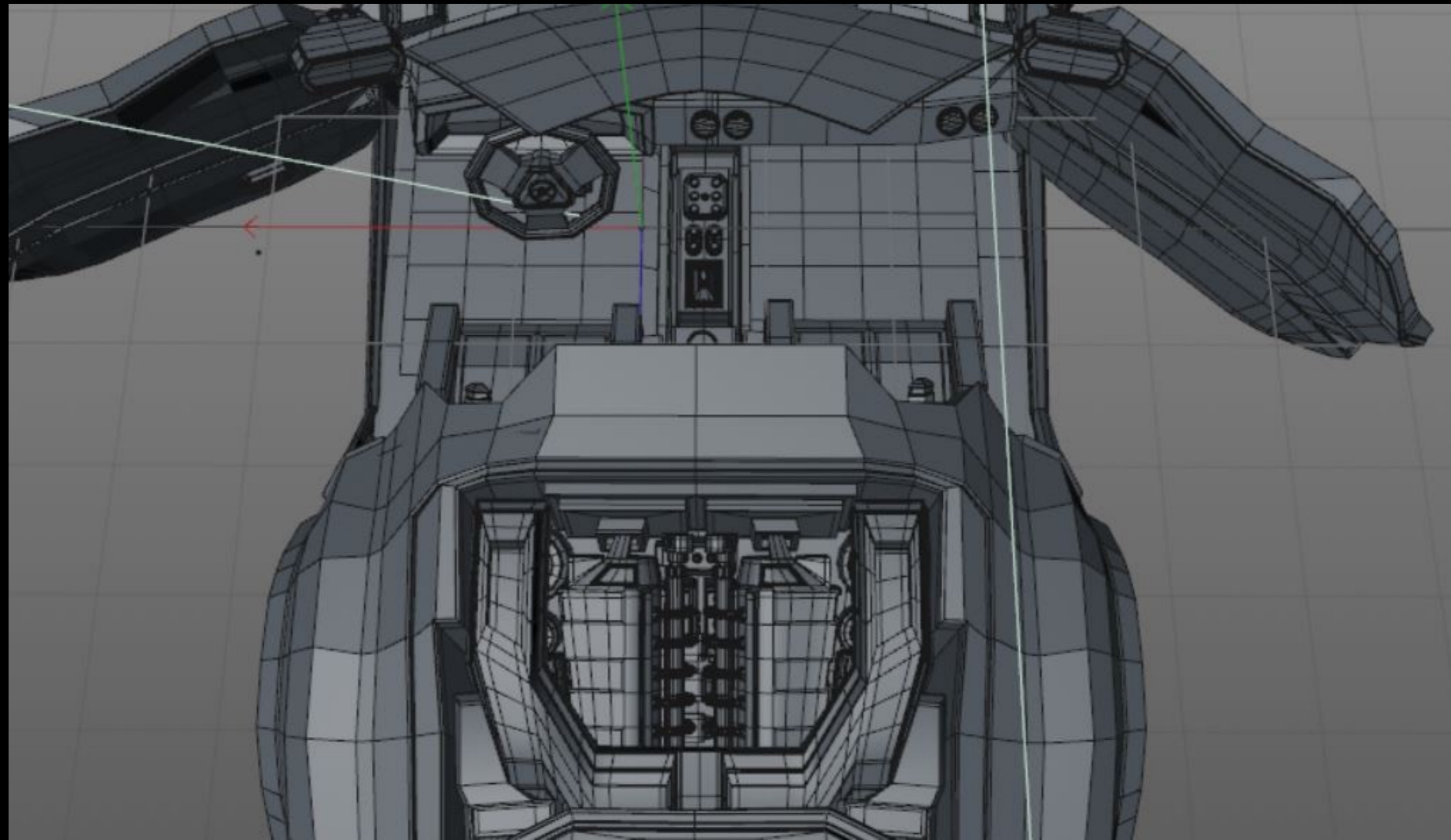










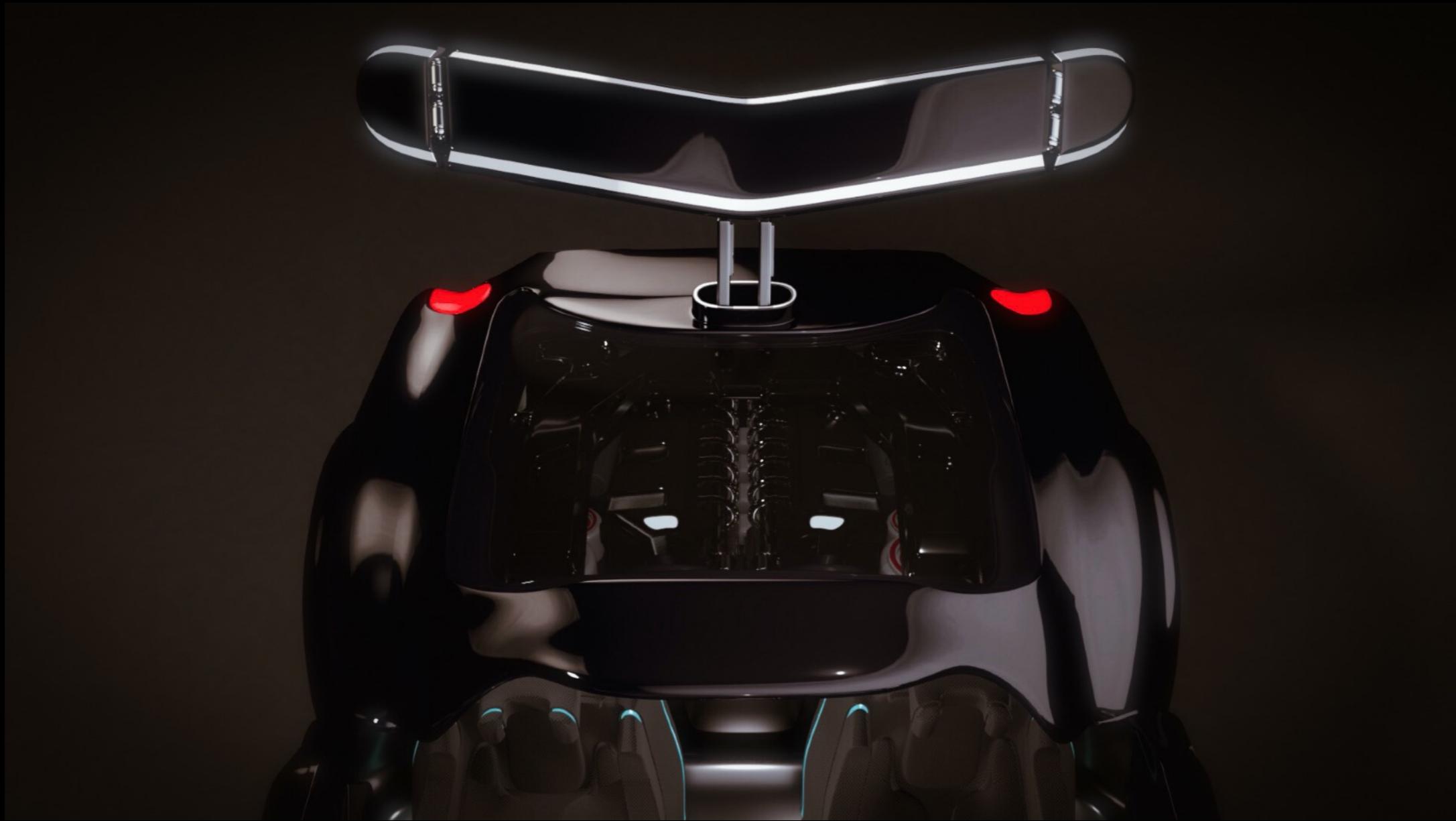


## LUXURY CAR SURVIVAL ABILITIES

- Single pivot spoilers which mimic a Cheetah's tail
- Hood shaped in the form of an Albatross beak
- Bug shaped back
- Split bonnet that opens vertically
- Infra Red Jammers at the back

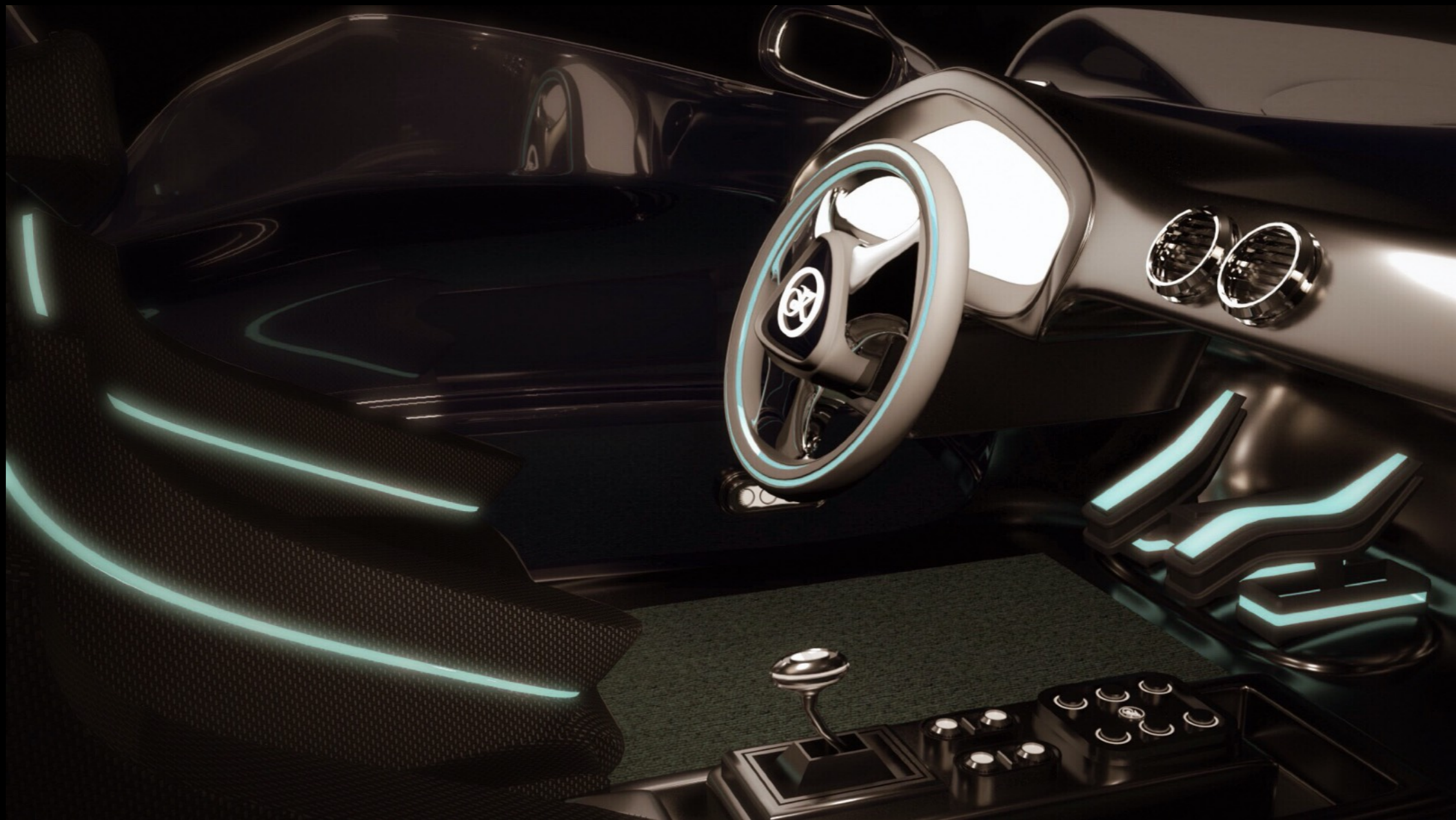




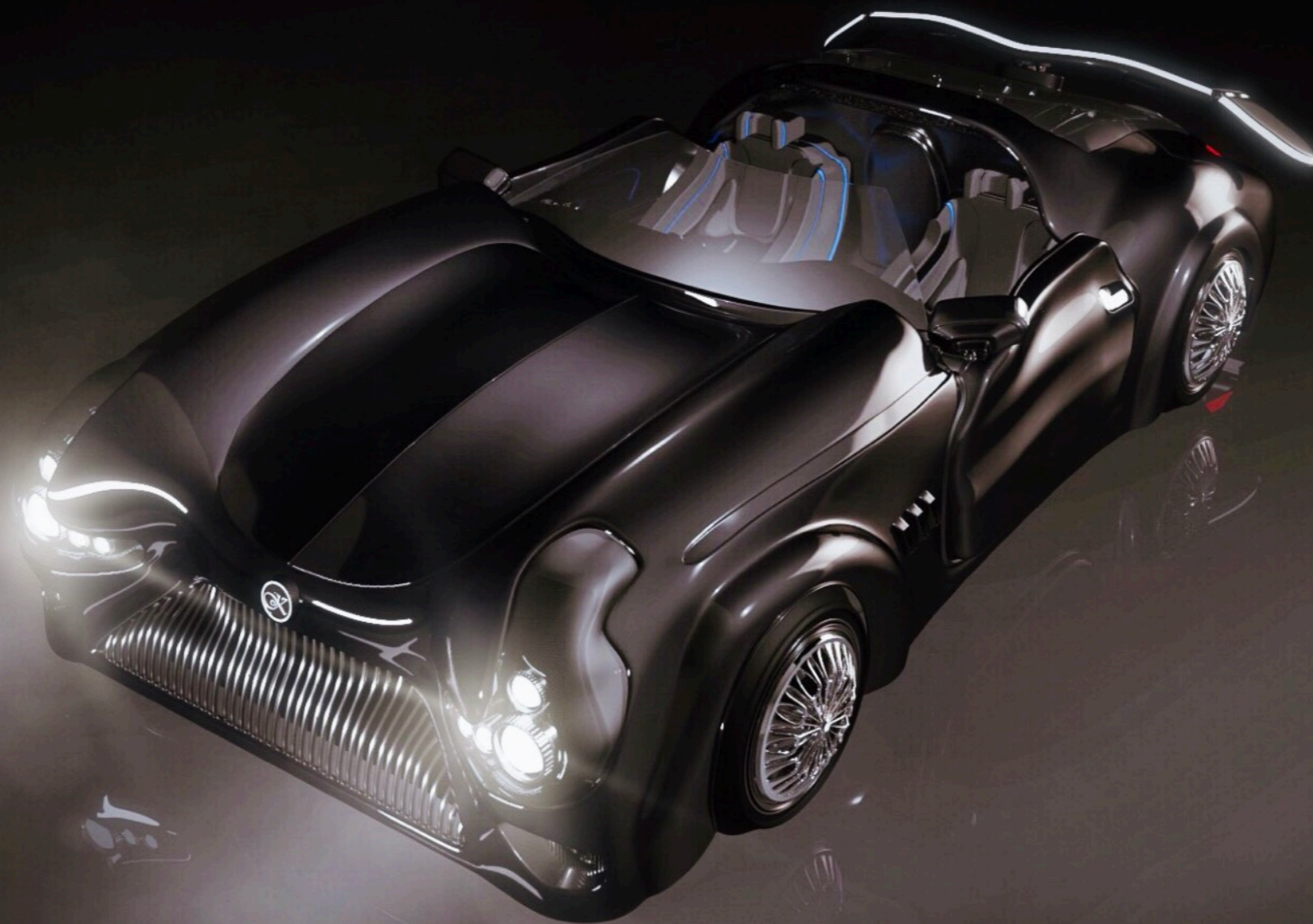












**COLD FROSTY MORNING**



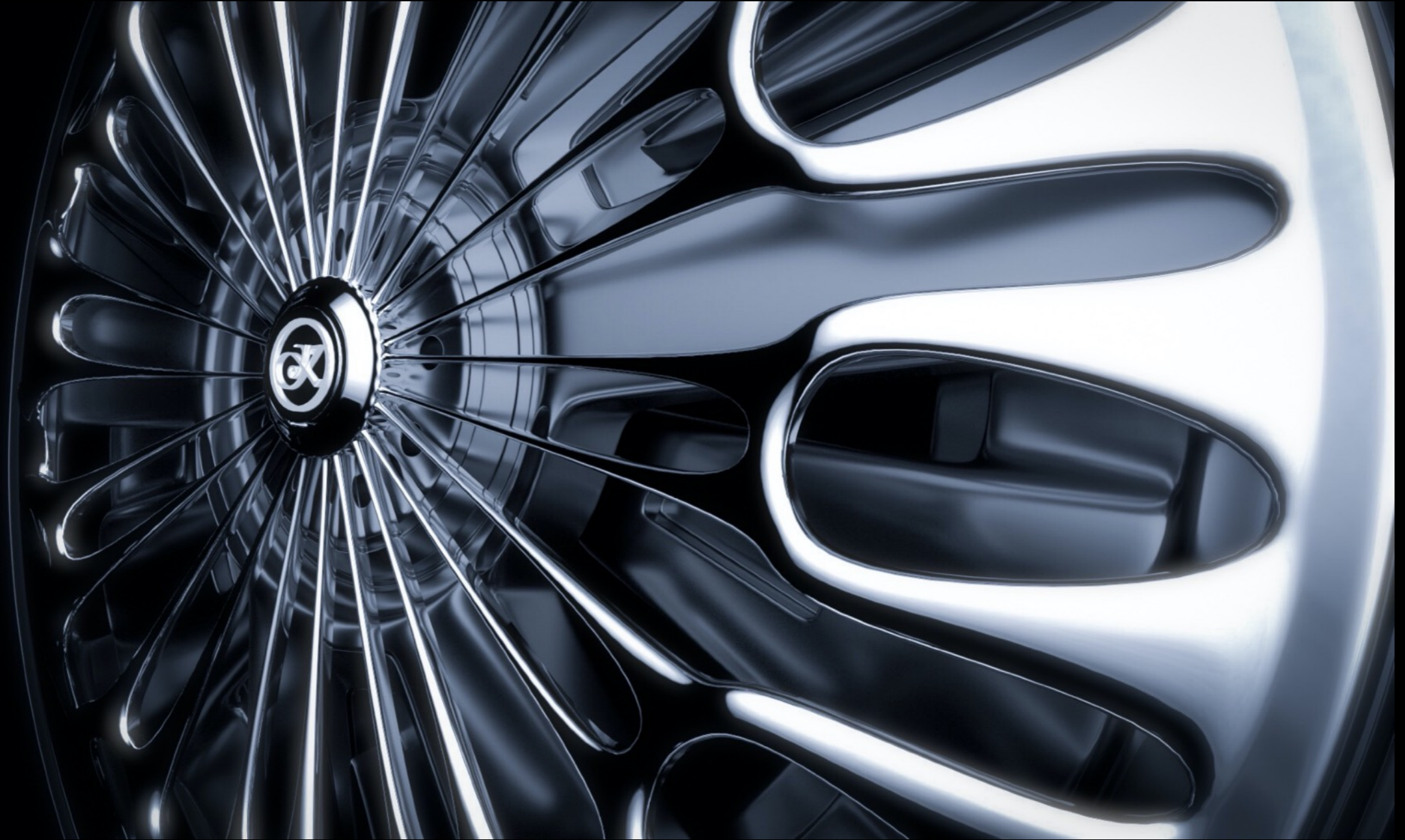
# ITALIAN PAVILION



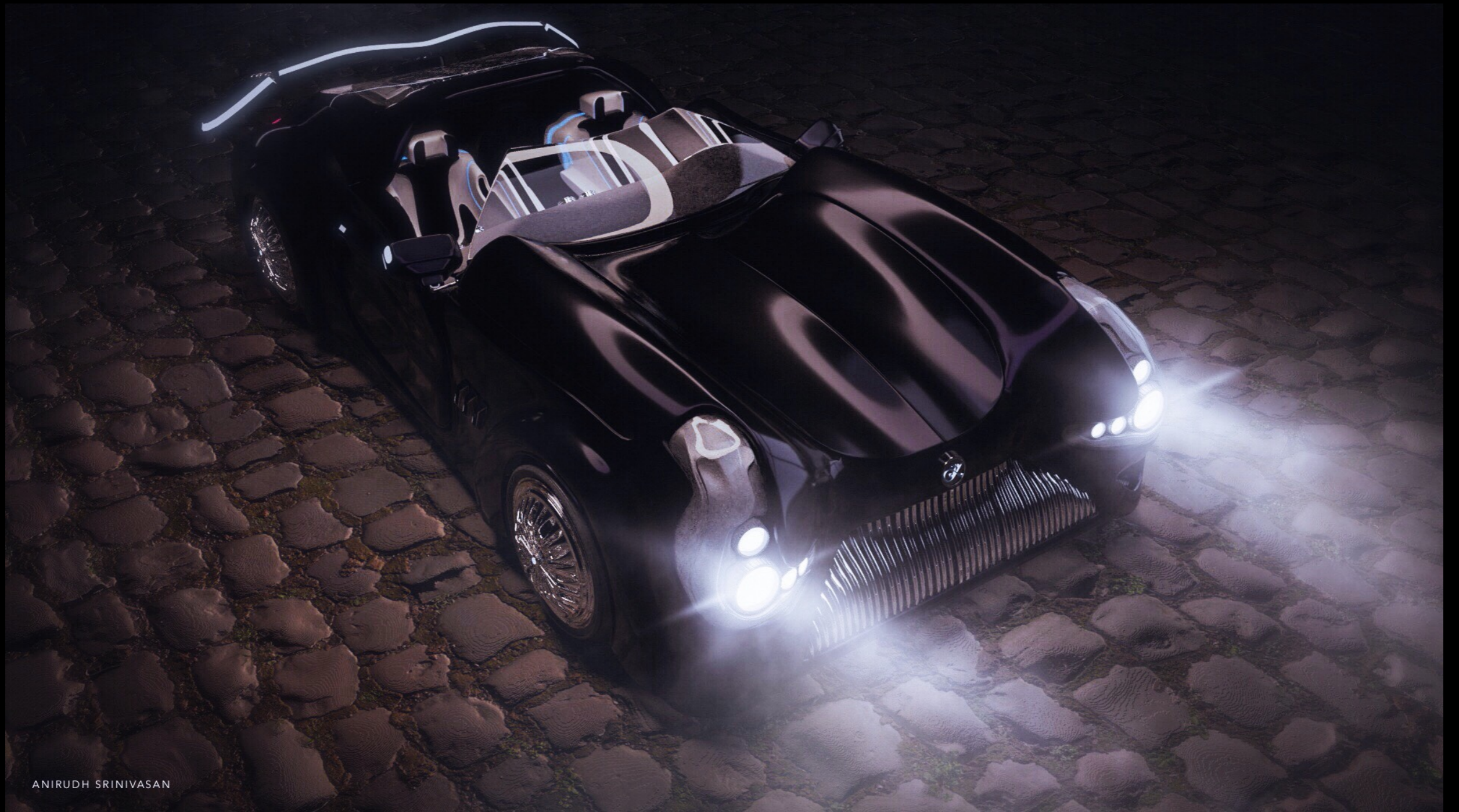
FINAL GPU RENDERS - CYCLES 4D



ANIRUDH SRINIVASAN







ANIRUDH SRINIVASAN



**ANIRUDH SRINIVASAN**  
Motion Graphics Artist

PERFORMANCE CHART	
ACCELERATION	0-100 MPH-6S
TOP SPEED	280 MPH
MILEAGE	180 MILES / GALLON
ENGINE	2 X V12
GAS TANK	60 GALLONS
EXHAUST	MULTI VENT
TIRES	ALL SEASON TIRES

#### Luxury Car Exclusive Features

- Single pivot spoilers that mimic a Cheetah's tail
- Hood shaped in the form of an Albatross
- Bug shaped back
- Split bonnet that opens vertically
- Infra Red Jammers and obstacle detectors

#### DESCRIPTION

Blueprints of a futuristic luxury car that's designed based on biomimicry principles. Taking inspiration from nature and trying to replicate what exists in the real world makes us design better while also helping us learn how to work within constraints. The speed and performance of a car is greatly influenced by its shape. The design is determined by basic aerodynamic principles and fluid flow through and around the car's structure.



#### KEY FEATURES

- Multiple neon lights - Separate Pieces
- Back Curved inwards - Gradual transition
- Split Bonnet - Opens vertically (30 degree)
- Visible engine section - Easy fault rectification
- 3 Part tail - Rudder functions like Cheetah's tail
- Thicker fenders covering wheels
- Huge hoods - Large vents
- Multi Exhaust
- Jammers
- Back portion has character - Not entirely flat
- Digital Rear view mirror
- Water Drain system

#### CHECK LIST

- Engine (Glass covered)
- Spoilers
- Bonnet
- Car Exterior
- Tires with heavy rims
- Head Lights
- Interior
- Controls
- Wipers
- Vents and grills
- Rearview mirrors
- Horizontal Lights

#### ORTHOGRAPHICS

