

Beatriz Real Herrador

AUTOMOTIVE

PORT
FOLIO



factam



W E L C O M E



Hope you like it!

In this portfolio, you can see my evolution during the Car Design Master at the Polytechnic University of Valencia. A sample of past, present and future projects.

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ABOUT ME



Beatriz Real Herrador

I like to define myself as a person with curiosities, always trying to go beyond my knowledge.

I love challenges, listen to advice and learn personally and professionally from the people around me.

Personal Skills

Proactive
Fast learning
Determination
Persistence
Resolutive
Capacity for teamwork
Self-taught
Creative

Education

Automotive Design Master
Polytechnic University of Valencia

2017-2019

Degree in Design
Complutense University of Madrid


2011-2015

Realization of audiovisual projects and shows
Puerta Bonita Institute of Madrid

2015-2017


Tech Skills


Car modeling / rendering


 Alias Autodesk

 Keyshot

Design


 Adobe Photoshop

 Adobe Indesign

 Adobe Illustrator

Video

 Adobe After Effects

 Adobe Premiere

Languages

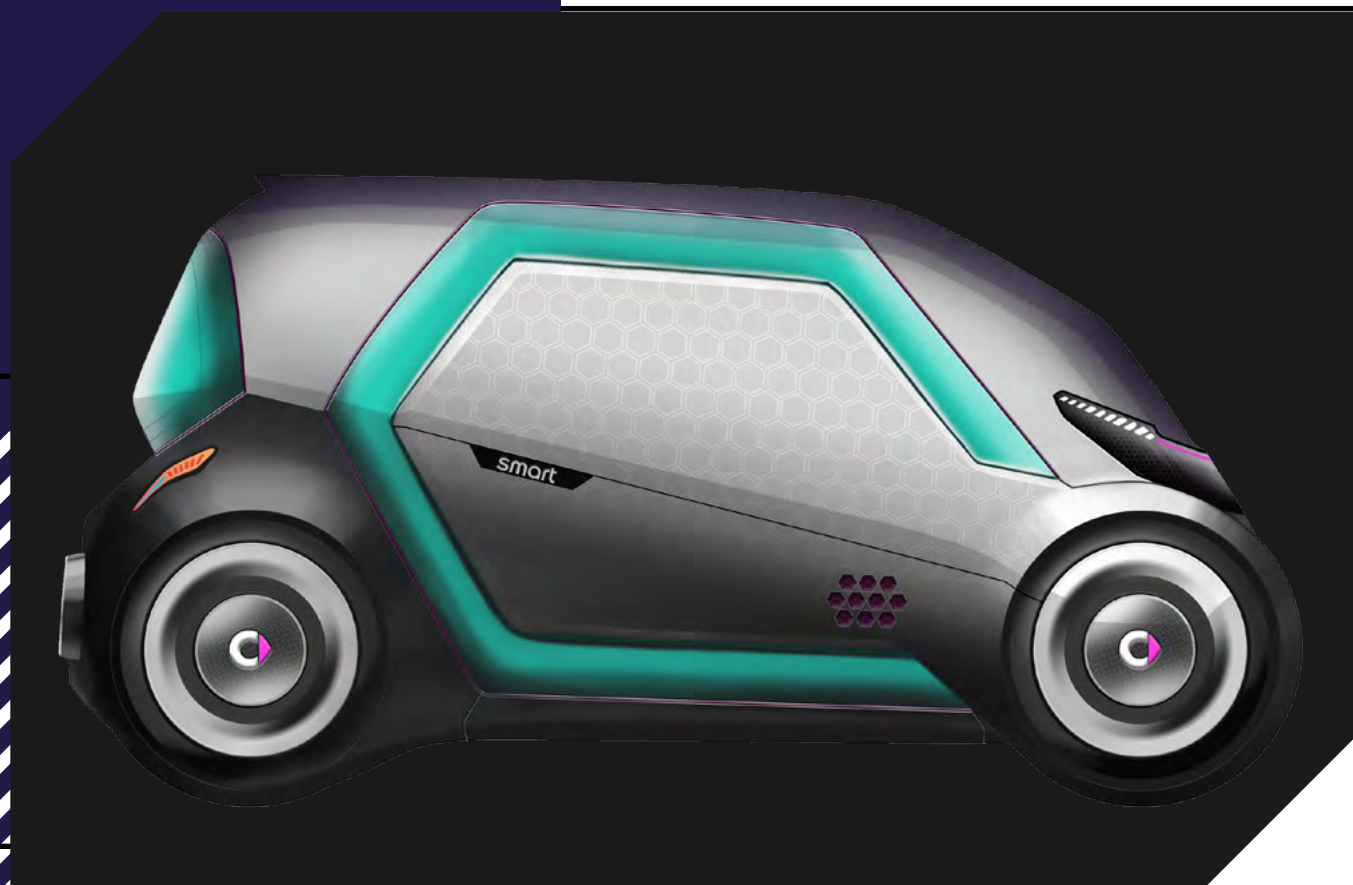
Spanish

English

look at my projects

> Citycar project

Compact single-seat vehicle, which is a wheelchair, which allows the user with reduced mobility to have freedom inside and outside the vehicle.



Freedom

Doing an empathy exercise, I consider that the first word in which a person in a situation of dependency thinks is in freedom, so that is why it is the first word that inspired me to develop this vehicle.



Balance

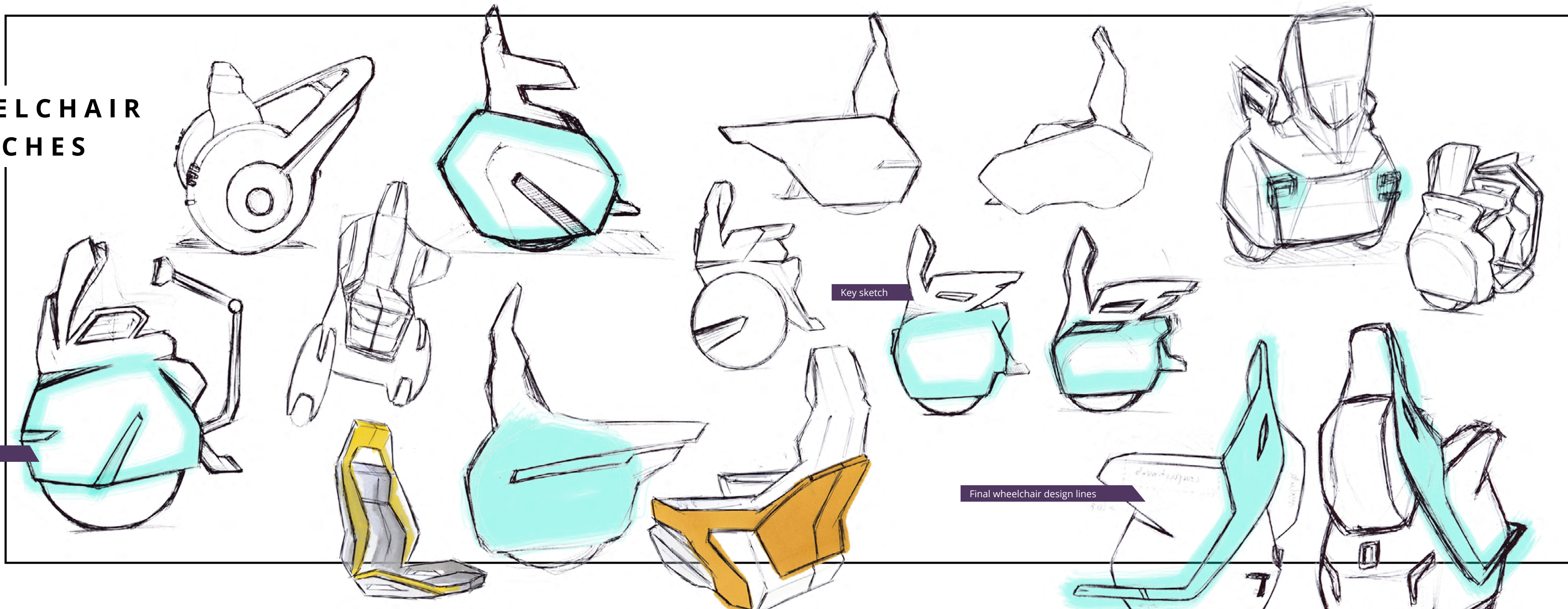
The stones that many times are put on the road to a person in a wheelchair, are now put in balance to get a car that facilitates that road.



Different

Although others resemble them, try to make a difference, in terms of style and especially in terms of functionality, being the last one the main premise.

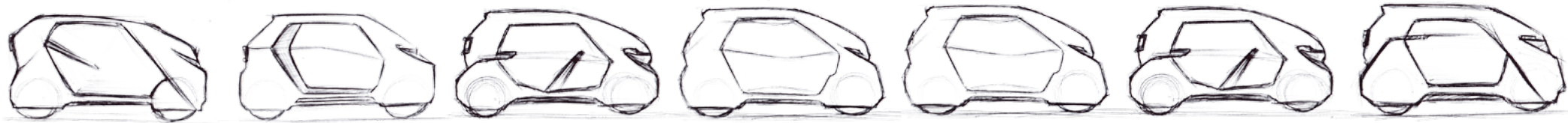
WHEELCHAIR SKETCHES



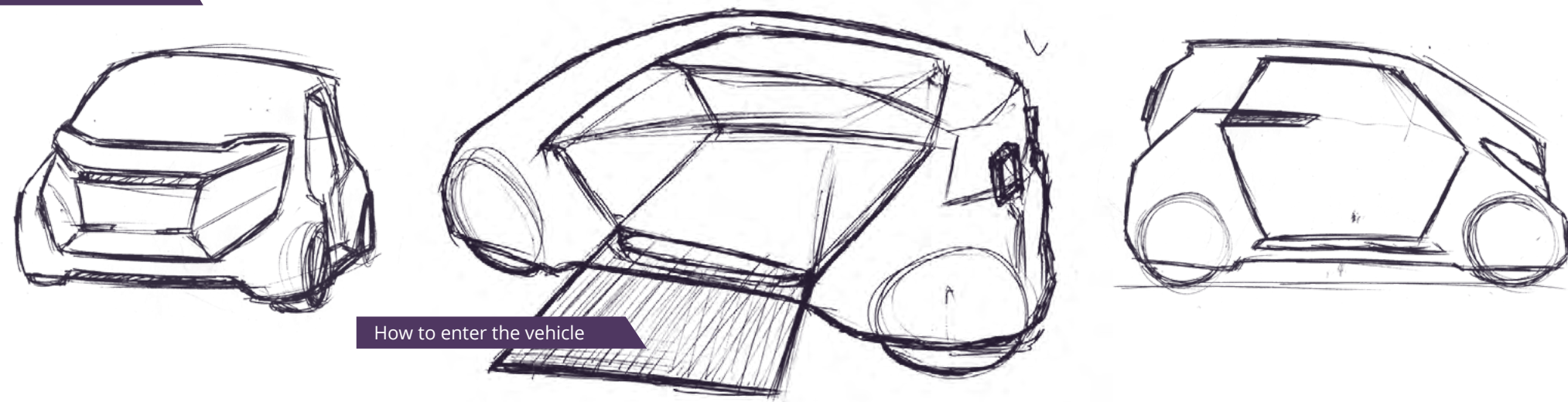
Key shape

Key sketch

Final wheelchair design lines



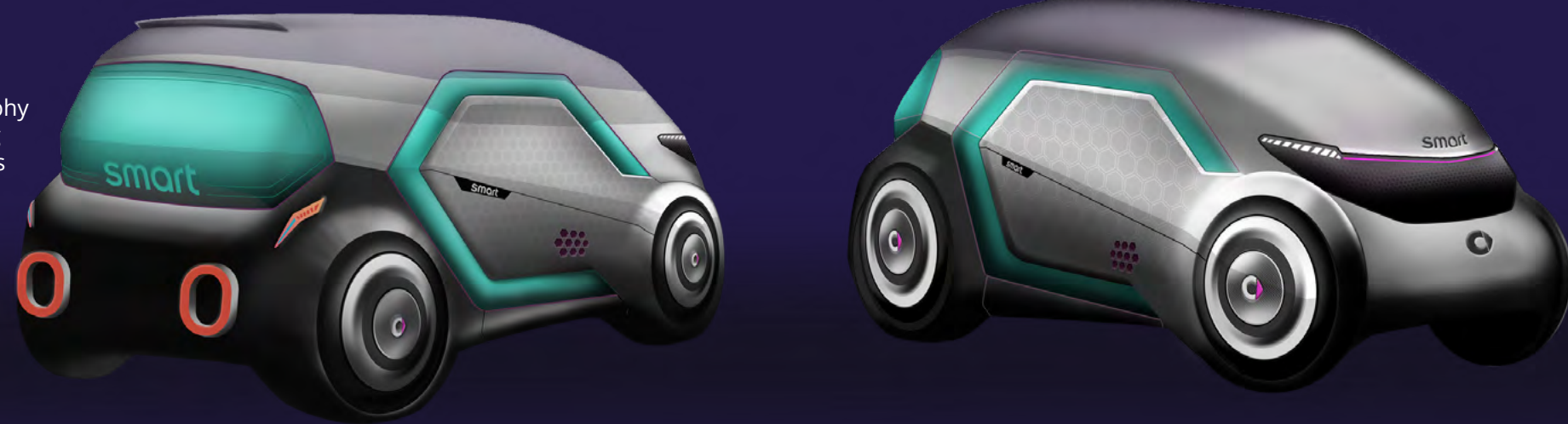
Profile sketches



How to enter the vehicle

> Final Car Design

Continuing the smart philosophy and enhancing the hexagon as a fundamental guide in the design.



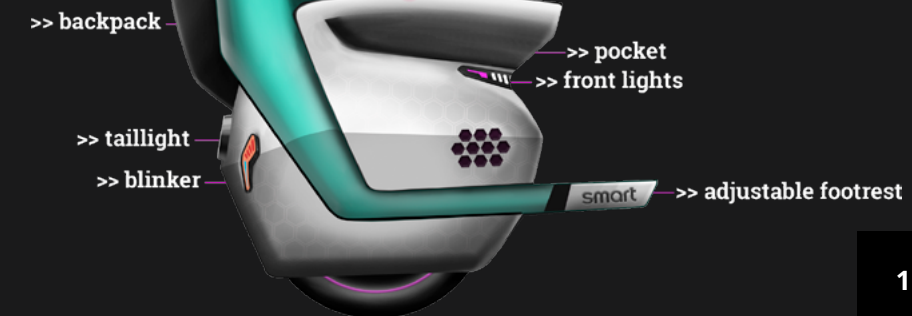
> Final wheelchair Design

At the bottom, you can see the first version of the seat. On the left, I tried to remove visual weight to make it seem lighter, being a second version of it. The final design is still under development.

> Screen Design

I wanted to show how the screen would be, intuitive and easy to use, to give an overview of the project.

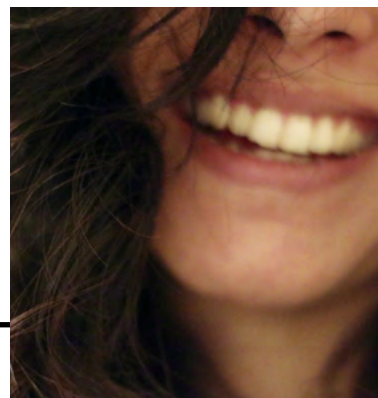
- >> simple interface
- >> adjust the speed
- >> great autonomy
- >> comfortable seat





SELF-DRIVING CAR FOR SPEED CIRCUIT

The idea was to design a completely autonomous vehicle for an amusement park, so that fun was the main engine of the design.



Complete your emotions

Adrenaline and passion are the main words when developing this vehicle for Warner Bros. Making a movie car that inspires fun.

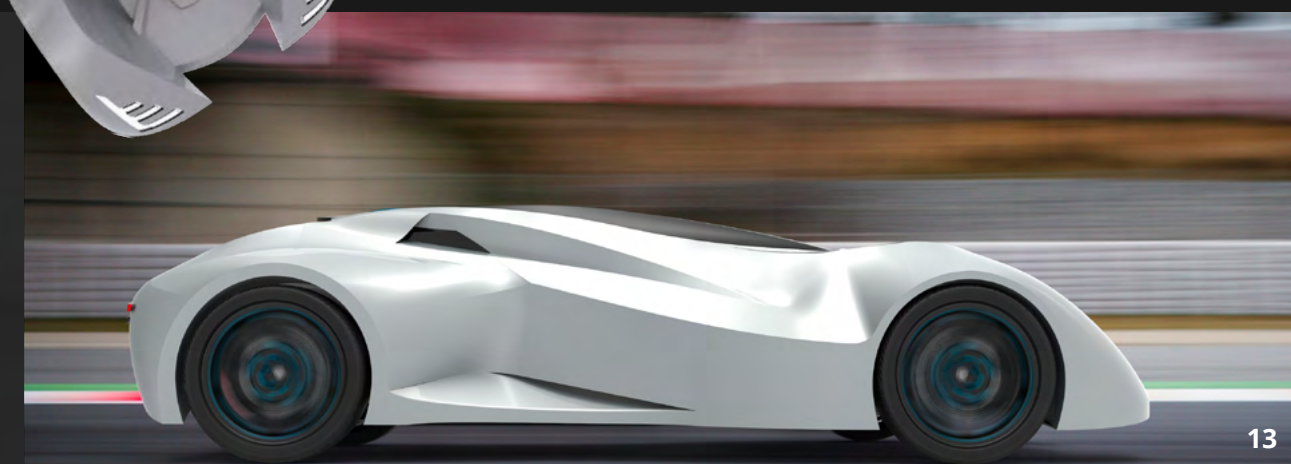
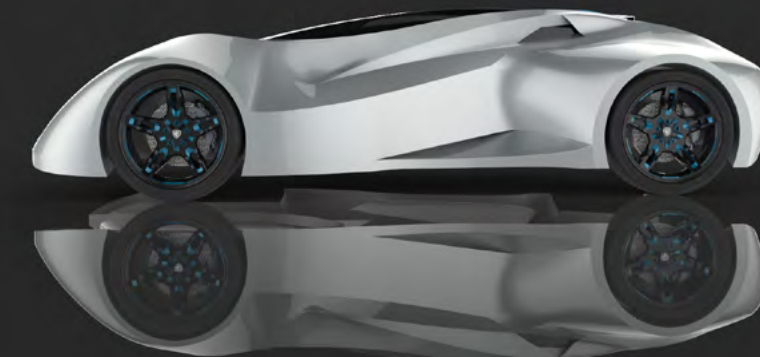
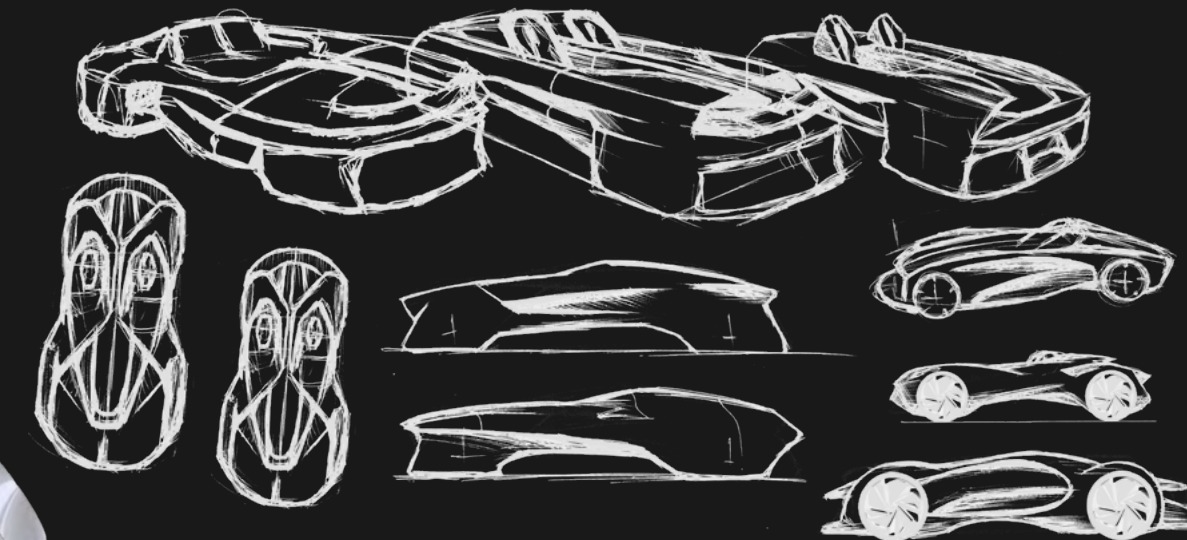
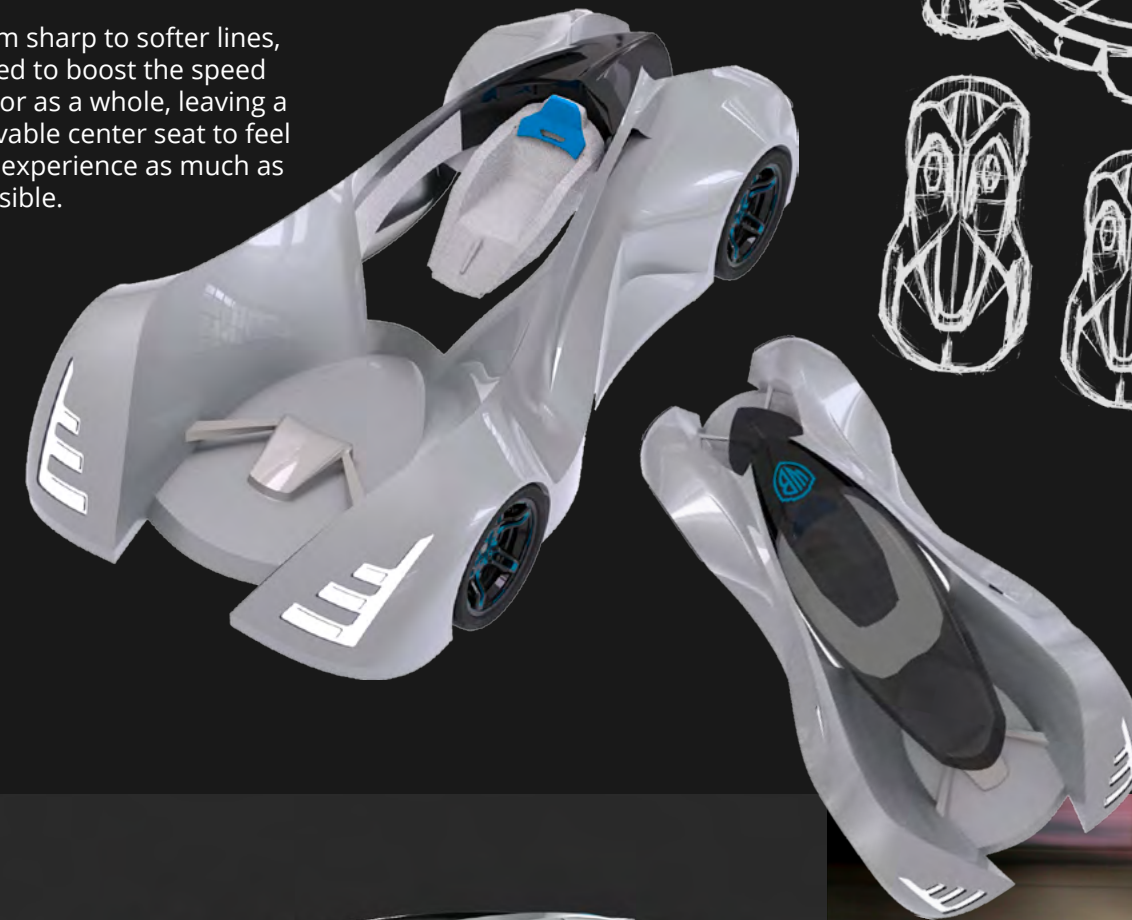


Feel the power

Both in its lines, which try to be soft while concise and thus feel the vertigo that will occur sitting inside and get carried away by the circuit learned by the vehicle.

> Key Sketches & Final Design

From sharp to softer lines, I tried to boost the speed factor as a whole, leaving a movable center seat to feel the experience as much as possible.



MASTER'S THESIS PROJECT

PEUGEOT CORINDON

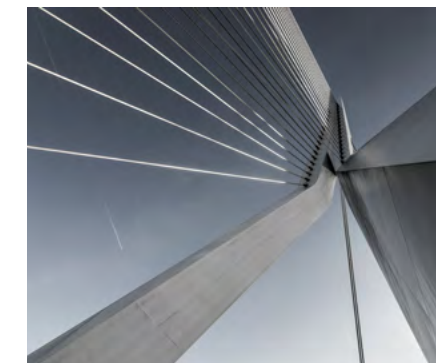
Offroad SUV

Peugeot Corindon seeks to be an SUV with offroad essence. Following the philosophy of the brand, it seeks to attract a young and active audience. The fundamental point in its design is to reinterpret the lateral line of the Peugeot language, being the profile the fundamental view of this vehicle. Among its main features are its marked shapes, showing a large grill area, as well as the cantilever headlights, which transfer dynamism as well as modernity.



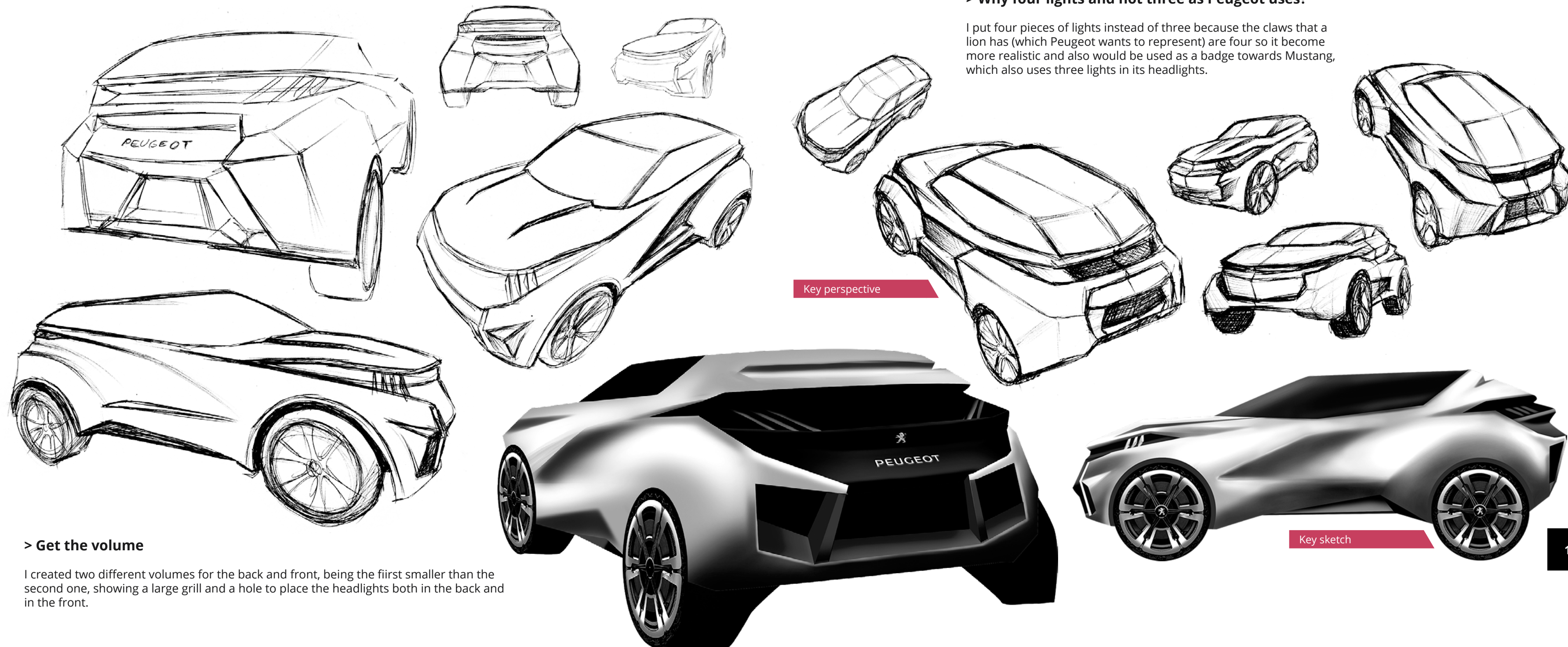
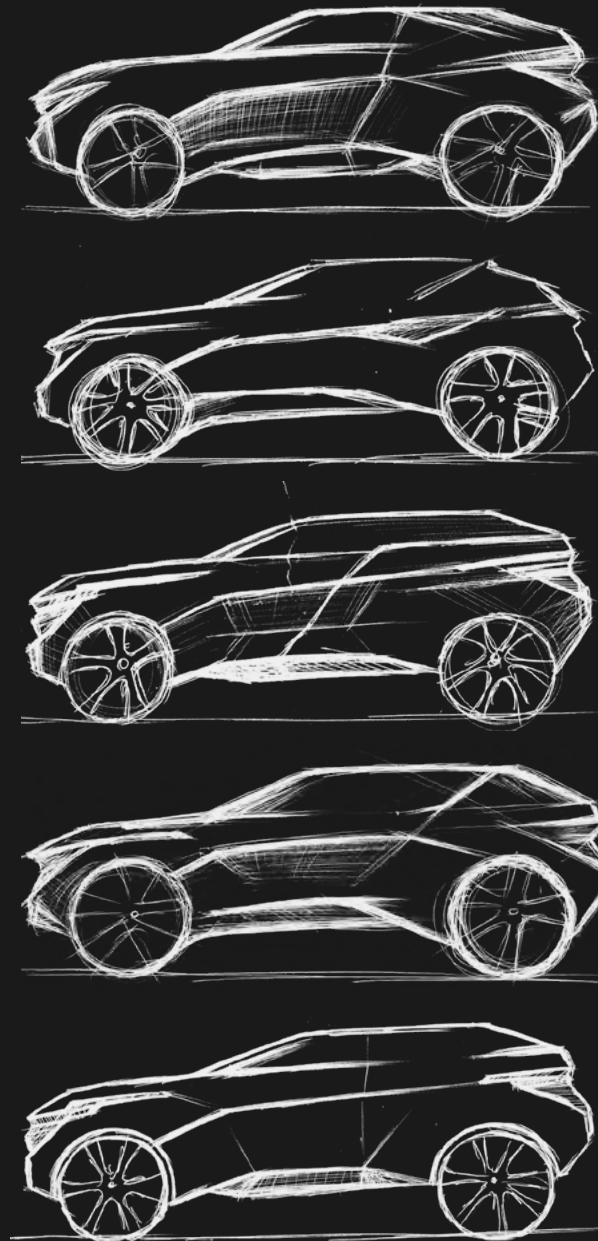
Inspiration

The main inspiration has been the mineral called Corindon because it is stronger than Quartz (previous Peugeot prototype). The sharp shapes of the mineral as well as the power it represents, accompanied by dynamism, make the perfect balance for the representation of this car.



> Main objective

Reinterpret the sideline of Peugeot, building a new one that connects the headlights to the taillights.



> Why four lights and not three as Peugeot uses?

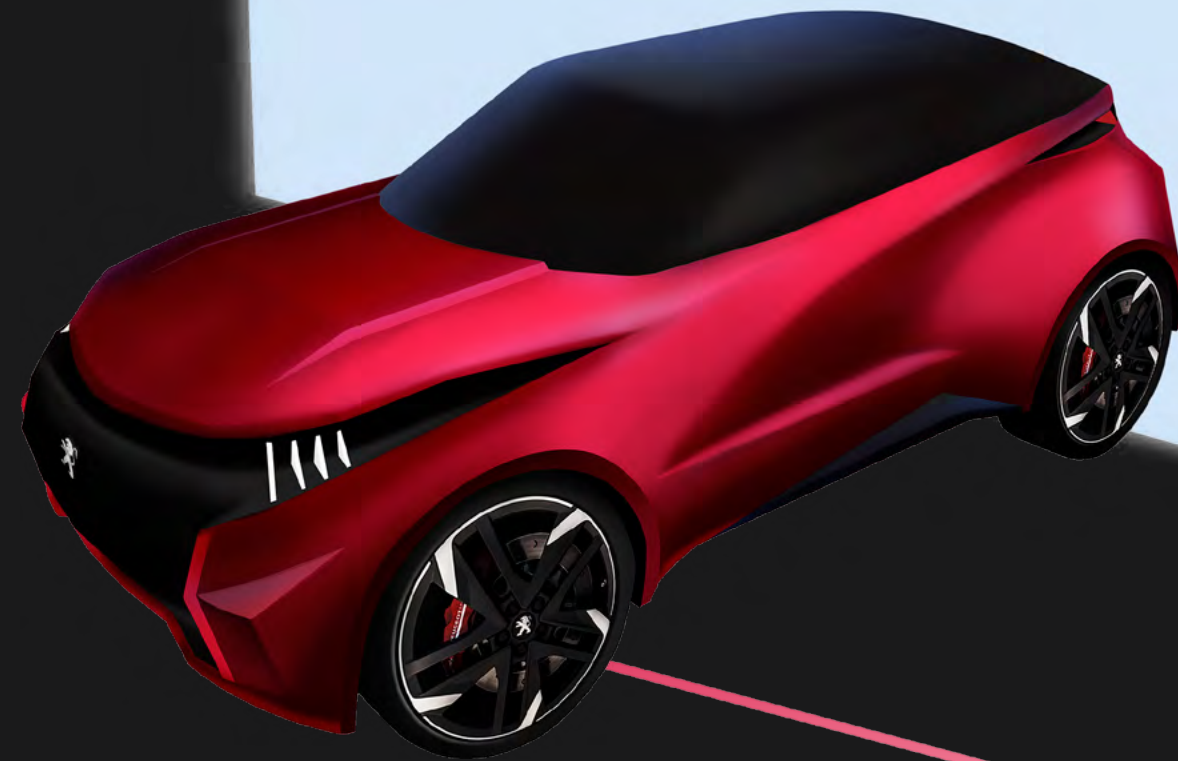
I put four pieces of lights instead of three because the claws that a lion has (which Peugeot wants to represent) are four so it become more realistic and also would be used as a badge towards Mustang, which also uses three lights in its headlights.

> Get the volume

I created two different volumes for the back and front, being the first smaller than the second one, showing a large grill and a hole to place the headlights both in the back and in the front.

> Photoshop renders

I made mainly two views in photoshop to delimit the back and front in a more visual way.



> Define the front

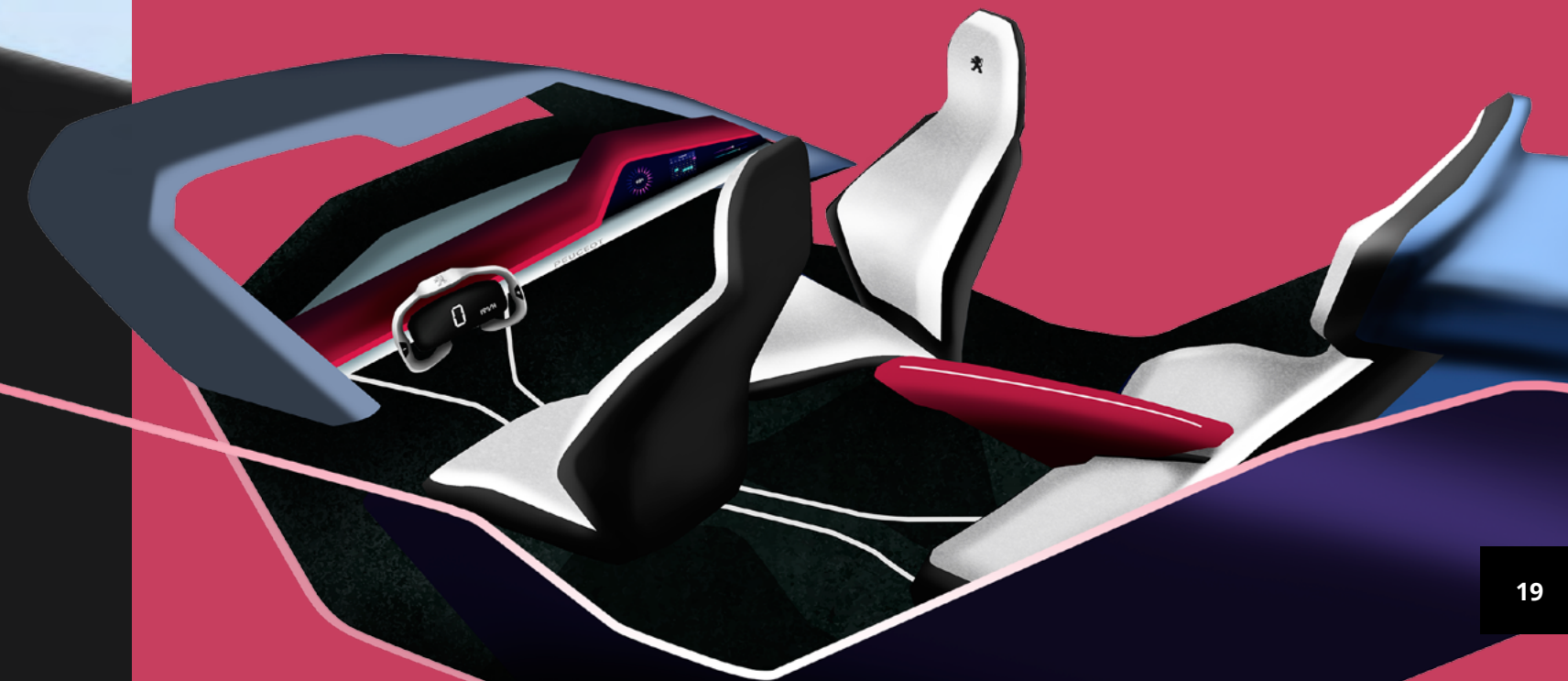
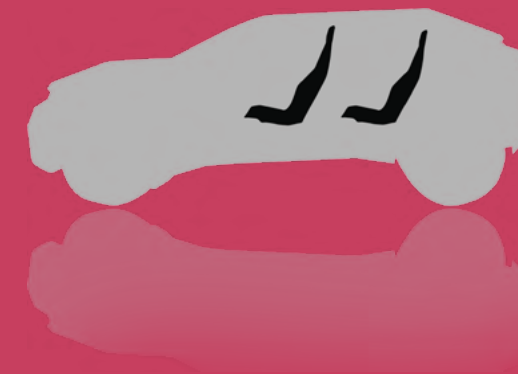
These renders were key to defining the front part because I could see in a clearer way the front part, as well as finish closing the lateral and most important line of the car.

> Interior proposal

What I looked for the interior was to give a feeling of spaciousness. It has space for four real people.

Being a car designed for dynamic people with a hectic lifestyle, the boot space is smaller to leave more space inside as I mentioned earlier.

In addition, the copilot seat could be rotated in order to connect all the members of the vehicle and establish communication between them.





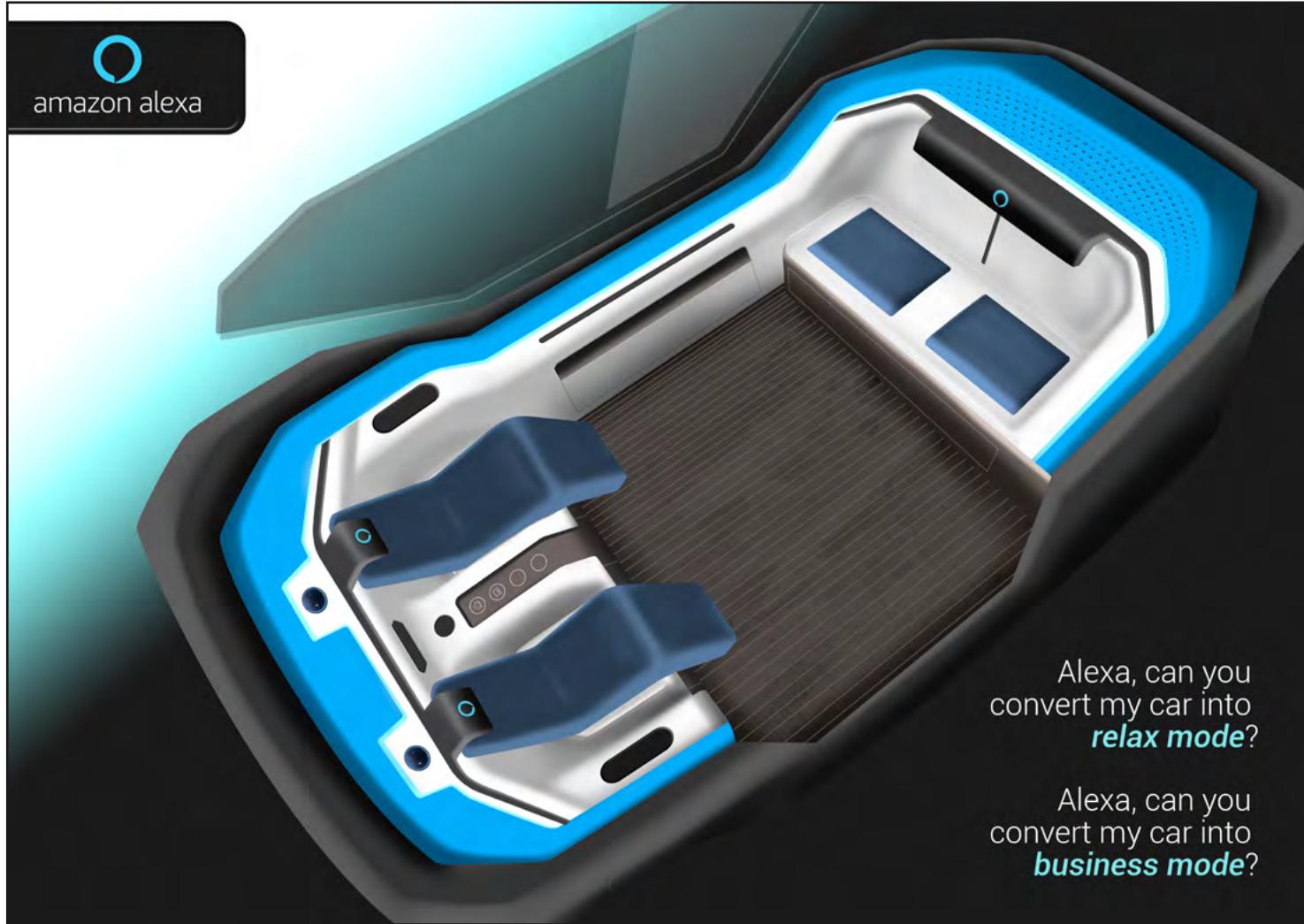


Degree final show 2019



Peugeot Corindon 1:5 Scale Model





WORK IN PROGRESS

Amazon Alexa full autonomous car Interior



Thinking to be your second house

Interior designed to work with the Amazon assistant called Alexa so that it is a space that you can handle to your liking with voice control, with no effort needed.

This project is still under development but aims to be a faithful example of interior for autonomous car. In which the first is the person for whom it is intended that

in this case would be a person with a hectic business life, who needs to see their customers continuously and needs to optimize time to the fullest.

As rest is essential to work correctly, the vehicle would change its environment so that it can rest peacefully inside.



Two different modes

> Relax mode

Thought to rest after the workday, where you can sleep while you are on the way home or rest in between the day. Creating a unique environment, in which to feel at home.

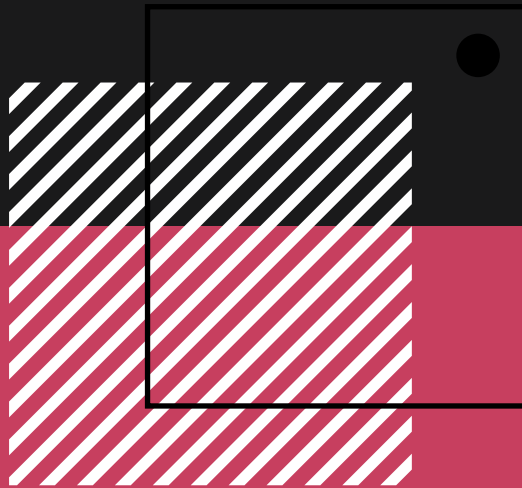


> Business mode

That is your office, the place to have meetings without wasting time, with everything you need to make your customers feel comfortable and talk about business.



THANK YOU!



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