

**ESSERE
IAAD.**

TRANSPORTATION DESIGN

PROJECTS

IAAD.

ISTITUTO
D'ARTE
APPLICATA
E DESIGN



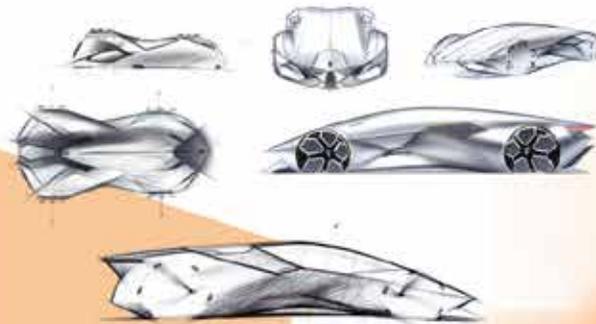


MOODBOARD



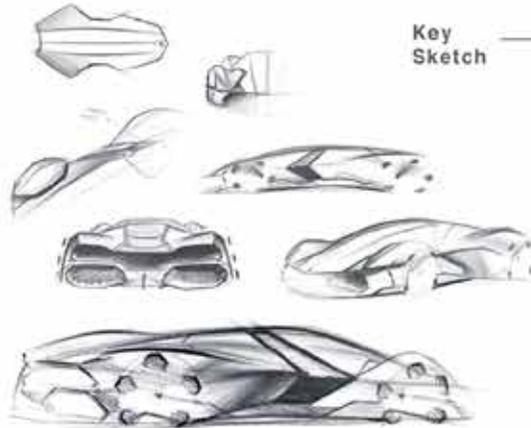
Sketches Research

Side and top views
were instrumental
in defining the
overall character of
the design.



Evolution of design trends, as well as in the engineering and technologies in aviation, now used next generation fighters such as the F35, will heavily influence the design philosophy of Lamborghini products in the future. Slightly softer but controlled surfaces give Lamborghini a new look without compromising the identity of the brand.

Key Sketch



SHAPE-SHIFTING MATERIALS

Advancements in nanomaterial technology show how it's soon going to be possible to implement active aerodynamics that do not make use of moving parts. These new technologies will especially be instrumental towards the obsessive pursuit of weight saving in high performance vehicles.



LAMBORGHINI INTENTO

PROGETTO DI TESI INDIVIDUALE - A.A. 2022/2023

ALESSANDRO
CASTIGLIONI





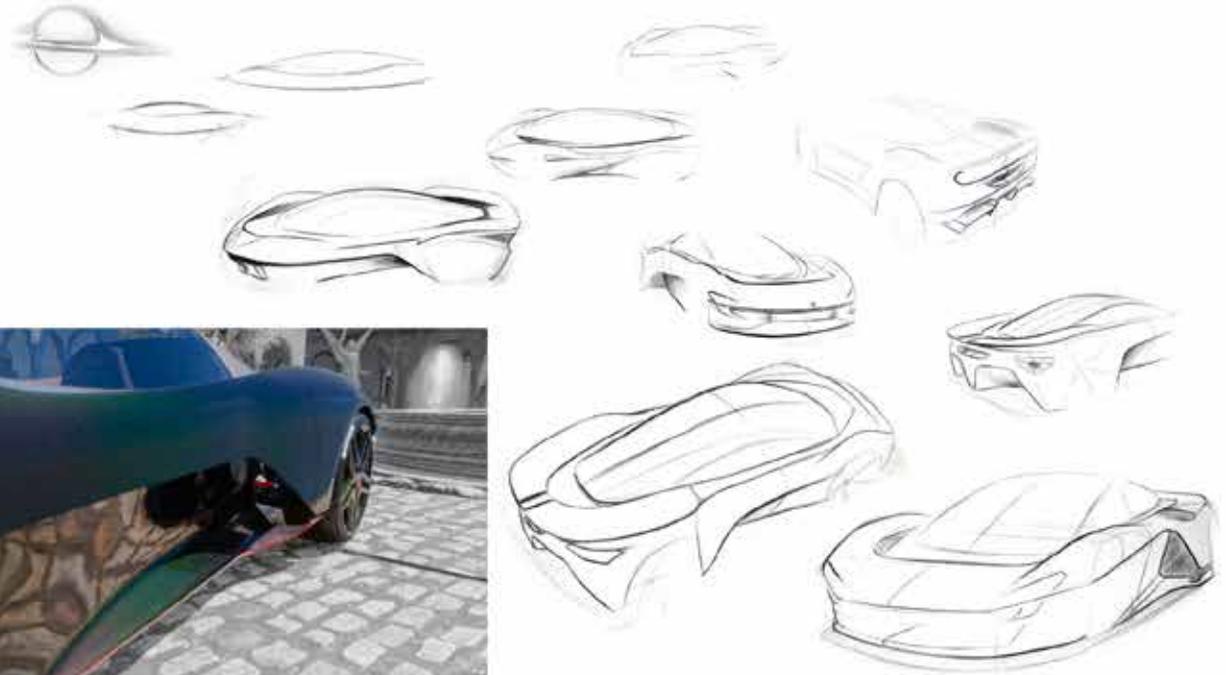
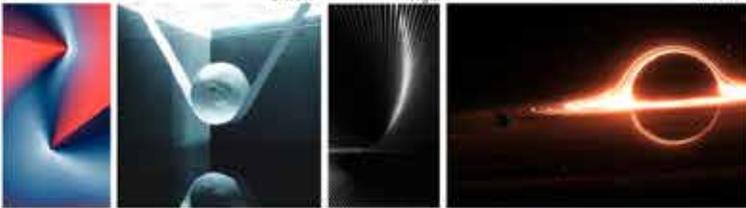
FINAL DESIGN AND RENDERS

Colorful renders show the aggressive nature of the car. A very pushed-forward silhouette emphasizes the signature Lamborghini look and give the impressions that the car is "eating the asphalt". Morphing surfaces in the back and the pronounced



Καιρός

La potenza del Titano, la grazia degli Dei, la sapienza dell'incollatura. L'auto che unisce mito e tecnologia.

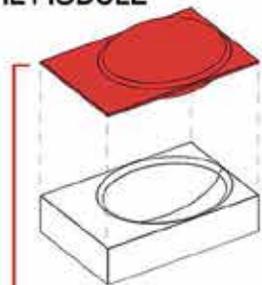




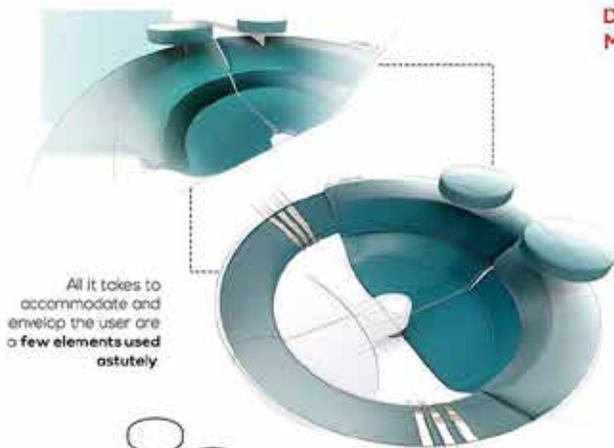


WHAT FUTURE ARE WE UNABLE TO IMAGINE TODAY?

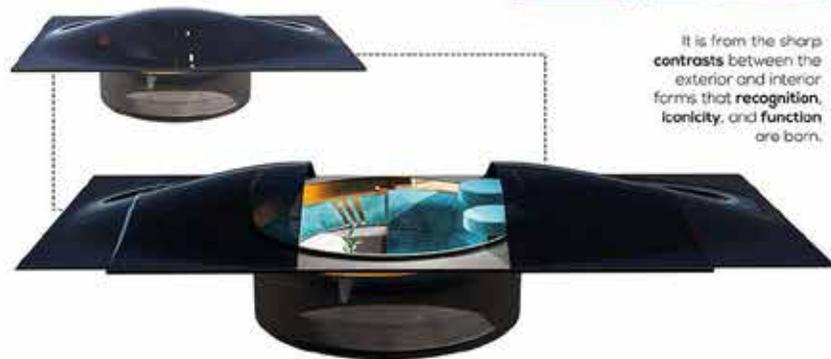
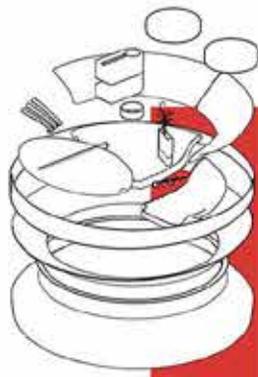
THE MODULE



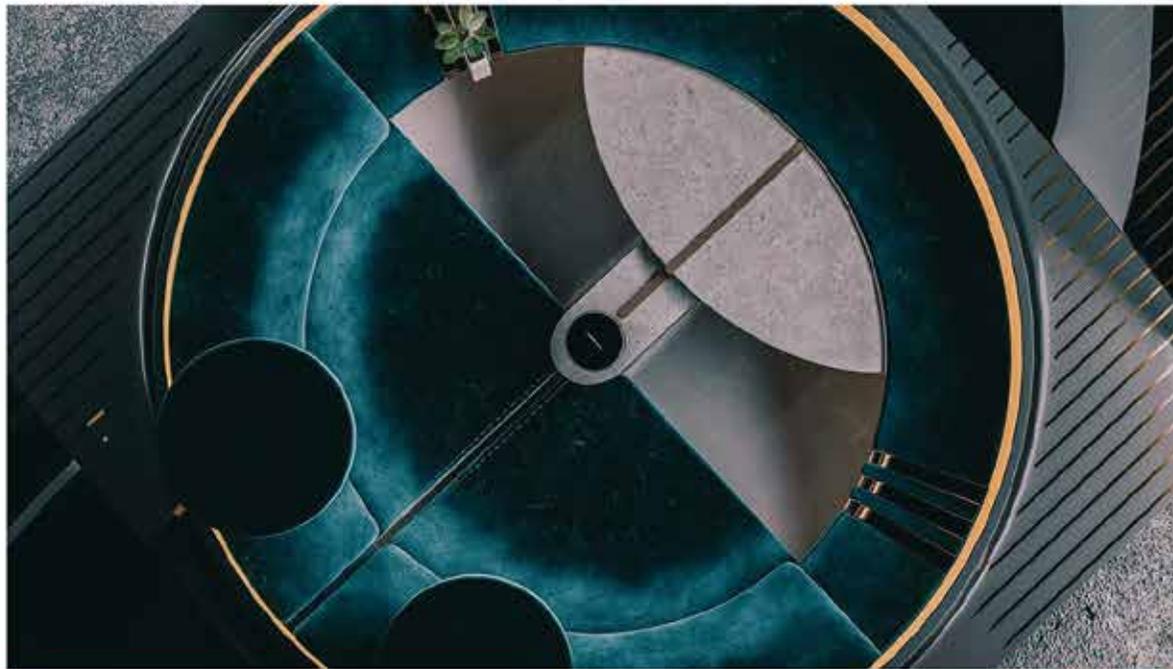
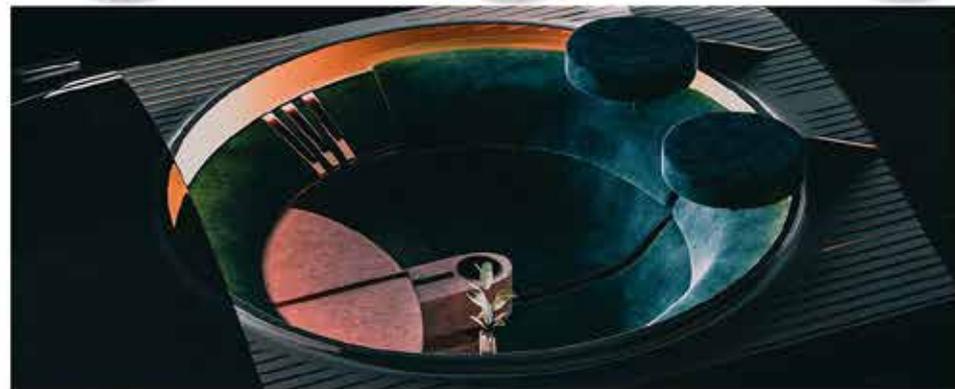
Thanks to the MODULE, each day I can have a new experience, with everyday comfort.



All it takes to accommodate and envelop the user are a few elements used astutely.



It is from the sharp contrasts between the exterior and interior forms that recognition, iconicity, and function are born.

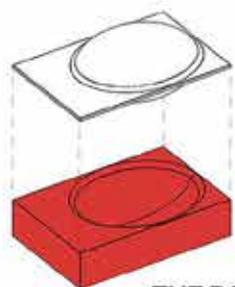




1 scenery: AIR
type: DRONE



An inflection intersects the form and creates the essential shapes to take flight

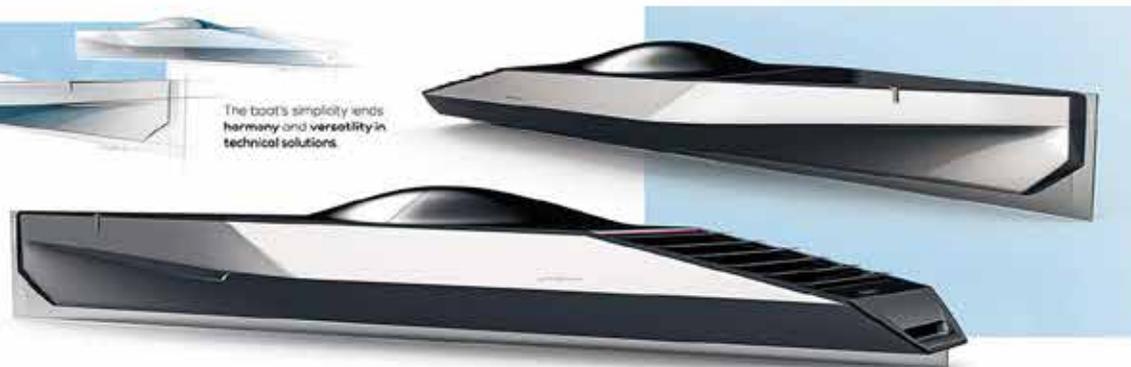


THE POWER
TRAIN

2 scenery: WATER
typology: MOTORBOAT



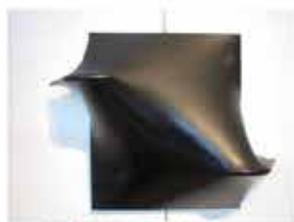
The boat's simplicity lends harmony and versatility in technical solutions



3 scenery: EARTH
type: SEDAN

A breakthrough exterior. Having a rectangular vehicle outline in top view was, before a design challenge, a provocation.

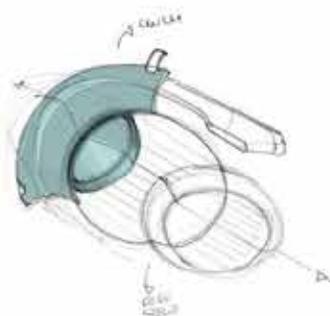
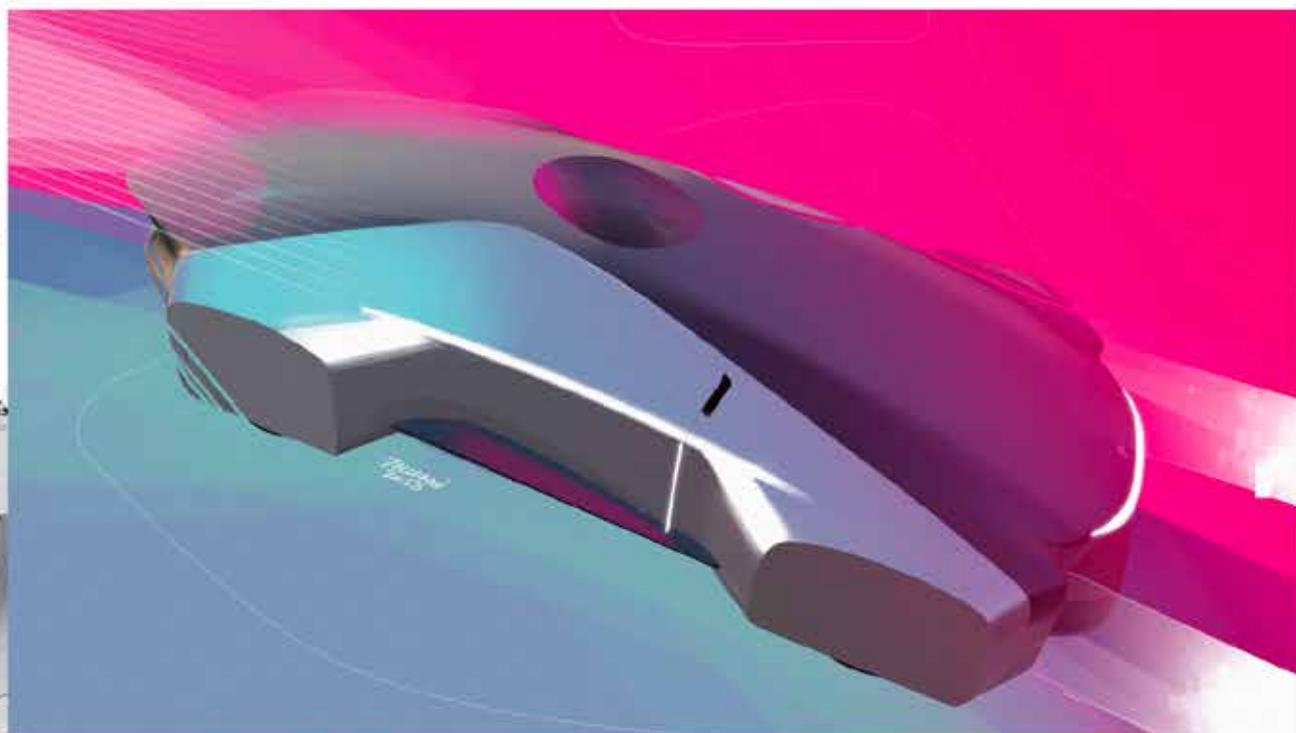
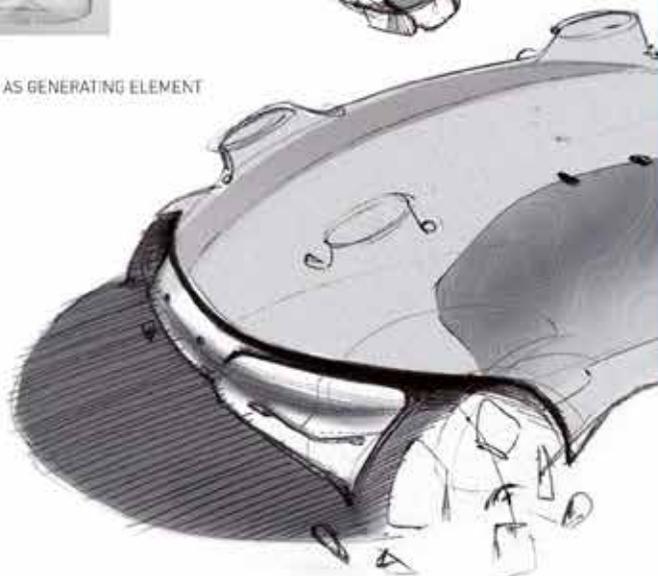
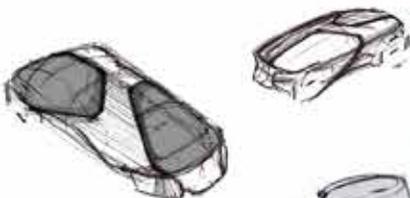




ASYMMETRICAL



WATER AS GENERATING ELEMENT



The Fracture

Futura zen represents the dualism of the human being: its external and hidden side at the same time. The concept guides the overall shape and creates a fracture between the interior and the exterior design of the vehicle. Its volume catches the eye of the audience and makes it curious wanting to invite it to have a look to its interior, more comfortable, resembling to a zen architecture.

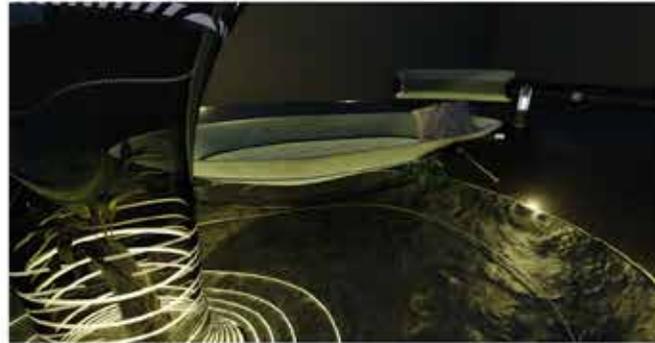
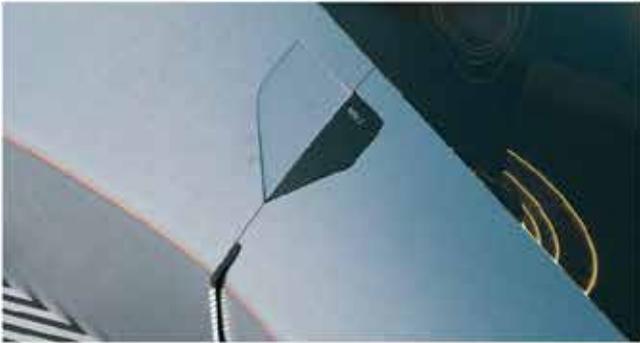


Futura Zen

PROGETTO DI TESI INDIVIDUALE - A.A. 2022/2023

CESARE
MACCARONI

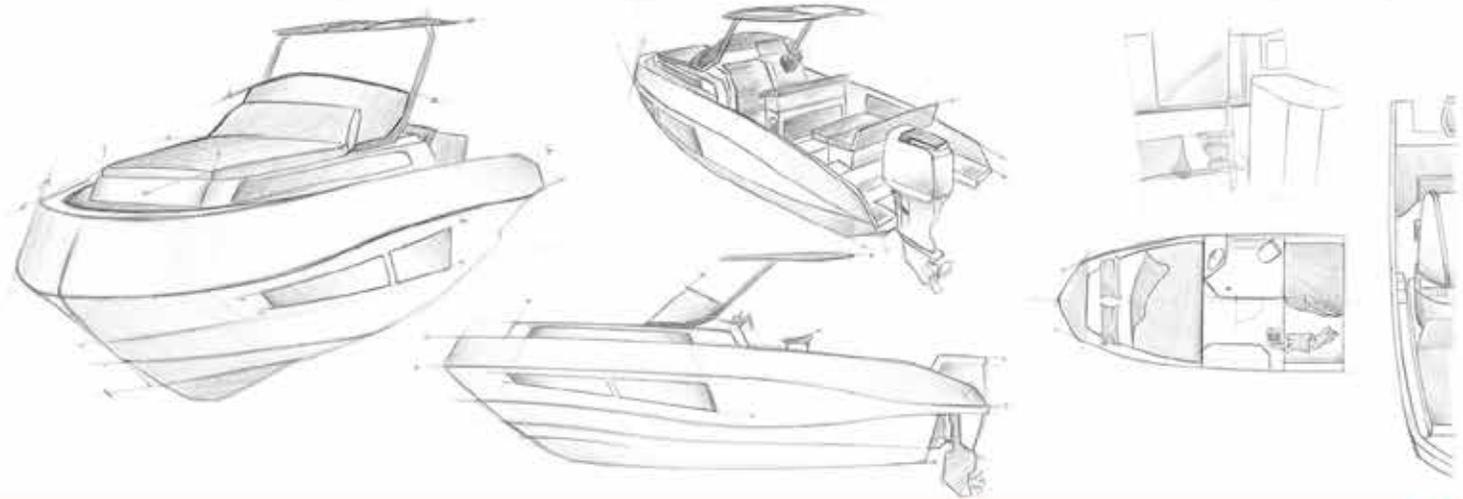




SM 8



Natural light is an essential element for a quality living space. A good design maximizes the entry of sunlight, reducing dependence on artificial light during the day and making the place less claustrophobic. Another important factor is Human Space, which is crucial and defines the dimensions to make everything comfortable and livable.







CITY



WILD



GREEN

C&T

INTERIOR design



ECO FRIENDLY



INNOVATIVE



ACCATIVE

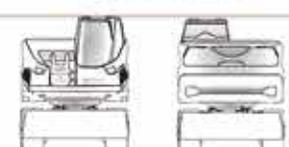
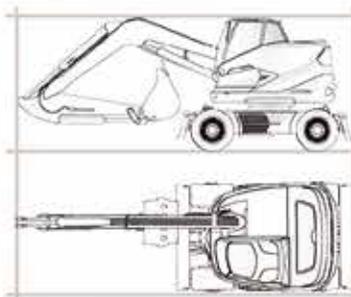


EFFECTIVE

EXTERIOR design



DIMENSIONS



- Dimensioni:
- Lunghezza totale: 7 metri
 - Larghezza totale: 2,5 metri
 - Altezza totale: 3,1 metri (con la cabina)
- Caratteristiche tecniche:
- Peso operativo: 11 tonnellate
 - Profondità di scavo massima: 5,5 metri
 - Motore: **eliumco**
 - Potenza del motore: 110 CV
 - Velocità massima di viaggio: 35 km/h

FEATURES



Per migliorare ulteriormente la manovrabilità e il comfort dell'operatore, è stato implementato un sistema di controllo esterno. Questo sistema consente all'operatore di controllare l'escavatore anche dall'esterno della cabina.



Introdotta uno schermo retrostante che permette all'operatore di interagire in modo efficace con altre persone e macchinari presenti sul cantiere o strada. Questo schermo consente di ridurre il rischio di incidenti e facilitare la comunicazione con le altre persone.



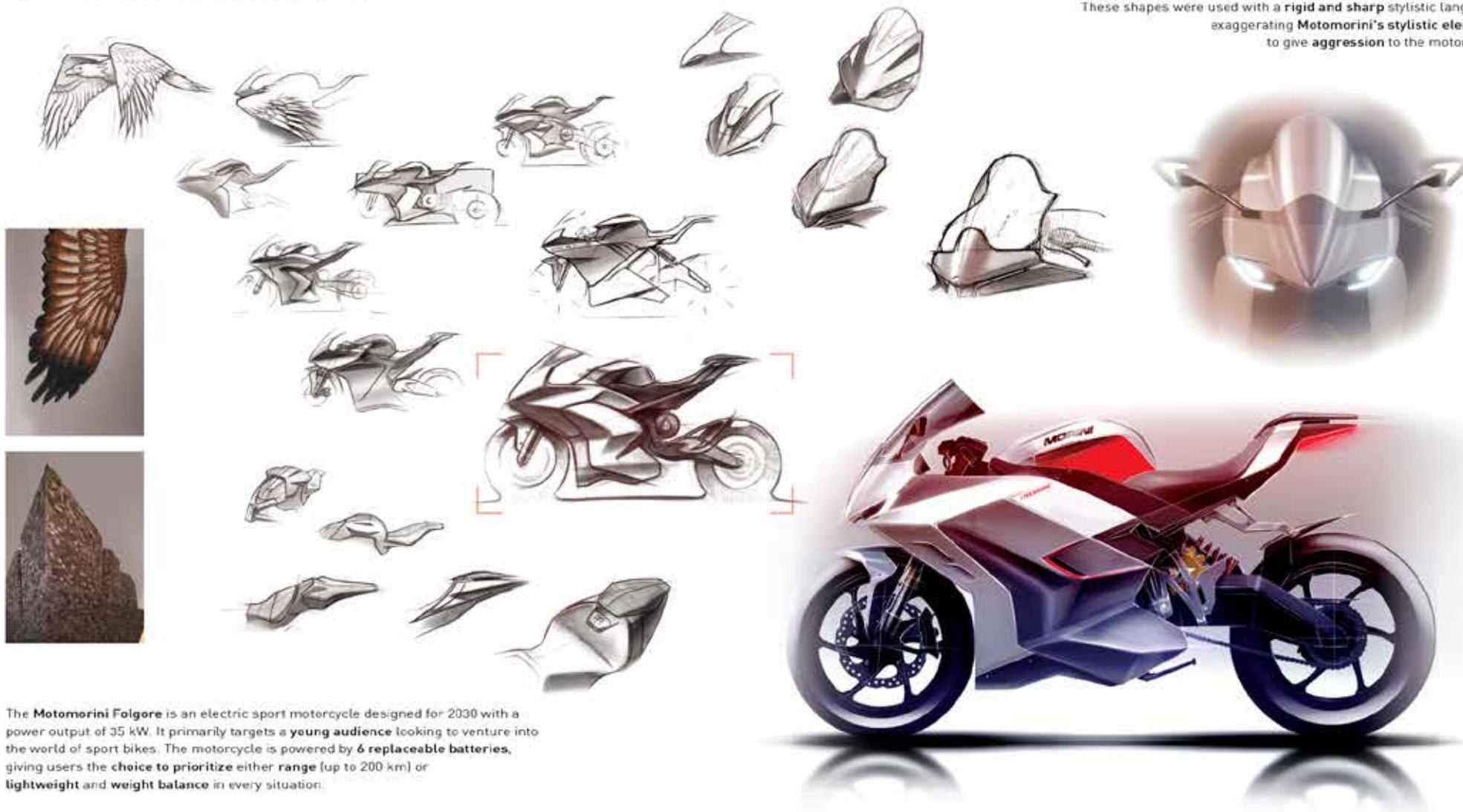
Introdotta una cabina regolabile in altezza, che consente all'operatore di alzare e abbassare la cabina per ottenere una migliore visuale sulla zona di lavoro. Ciò permette all'operatore di avere una visione chiara dei movimenti dell'escavatore e di lavorare in modo più preciso e sicuro.





MORINI FOLGORE

The main inspiration was born from the eagle, the brand's symbol. These shapes were used with a **rigid and sharp** stylistic language, exaggerating **Motomorini's stylistic elements** to give **aggression** to the motorcycle.



The **Motomorini Folgore** is an electric sport motorcycle designed for 2030 with a power output of 35 kW. It primarily targets a **young audience** looking to venture into the world of sport bikes. The motorcycle is powered by **6 replaceable batteries**, giving users the **choice to prioritize either range** (up to 200 km) or **lightweight and weight balance** in every situation.



MOTOMORINI FOLGORE

PROGETTO DI TESI INDIVIDUALE - A.A. 2022/2023

FEDERICO
MONTI





MOTOMORINI FOLGORE

PROGETTO DI TESI INDIVIDUALE - A.A. 2022/2023

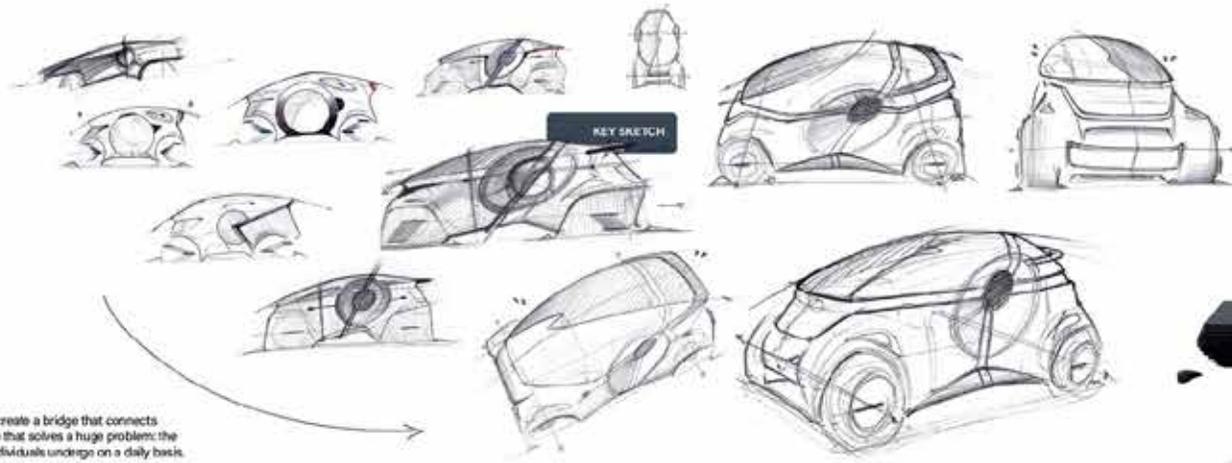
FEDERICO
MONTI



VOLUME



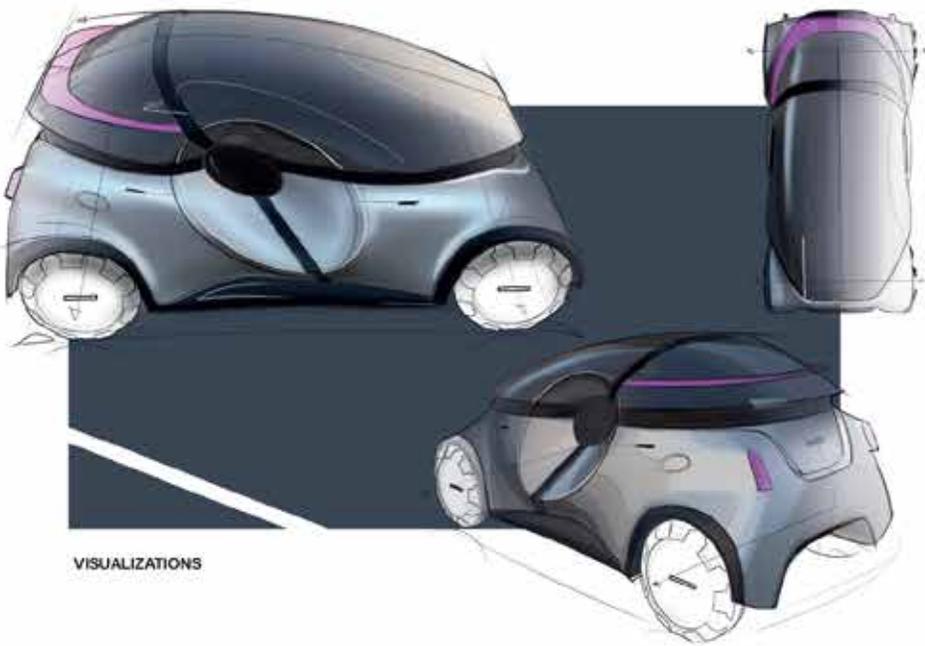
SHAPE



all the separate
parts of the vehicle



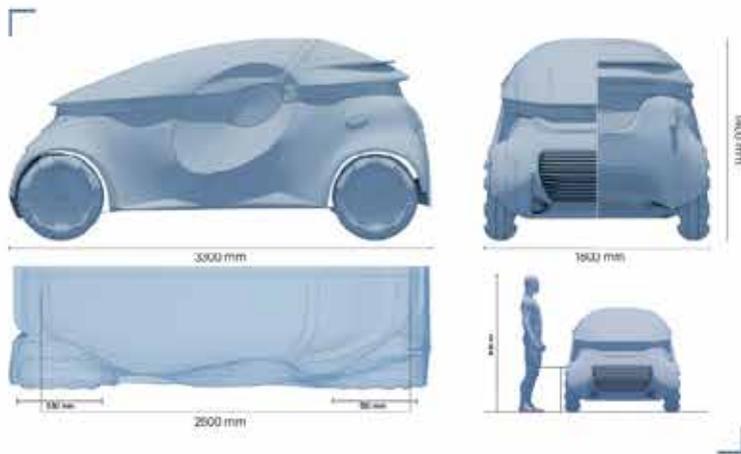
The idea stems from the desire to create a bridge that connects human beings to vehicles, a bridge that solves a huge problem: the pressure and mental stress that individuals undergo on a daily basis.



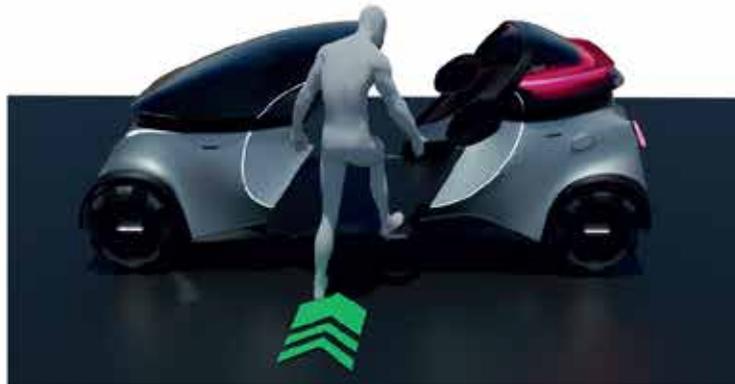
VISUALIZATIONS

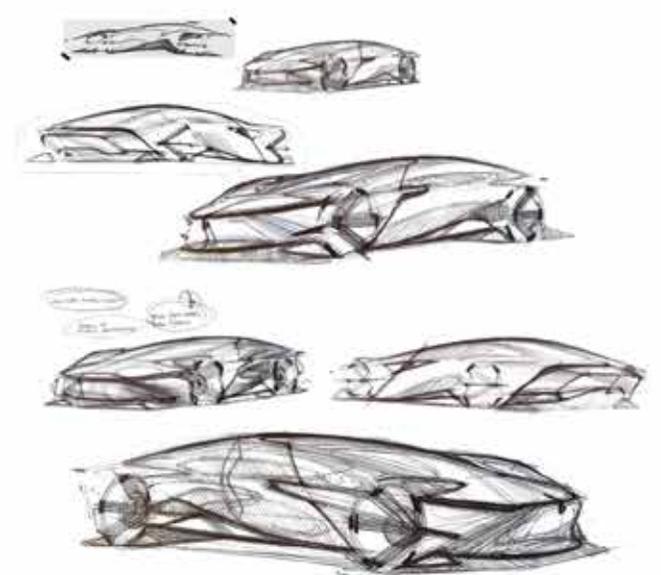
FINAL SKETCH





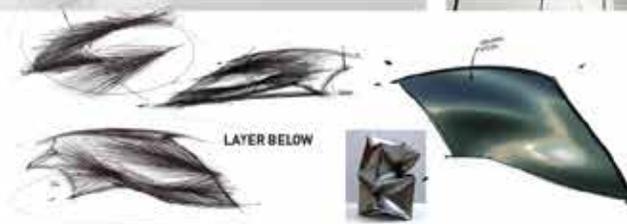
SISTEMA DI APERTURA





CRISAORE

The concept evolves in a feeling related to the contemplation of water, formal natural phenomena lightness and fluidity of the water line, the emphasis on the distinction between the geometry of nature and the organic size of humans. The future scenario of the vehicle is dominated by the agility of cities, sportswear will play an important role in managing people's lives. The need is to create an extremely pure technical apparatus consistent with this square and responsive environment.



PURITY

TRANSLUCENT

MOVEMENT

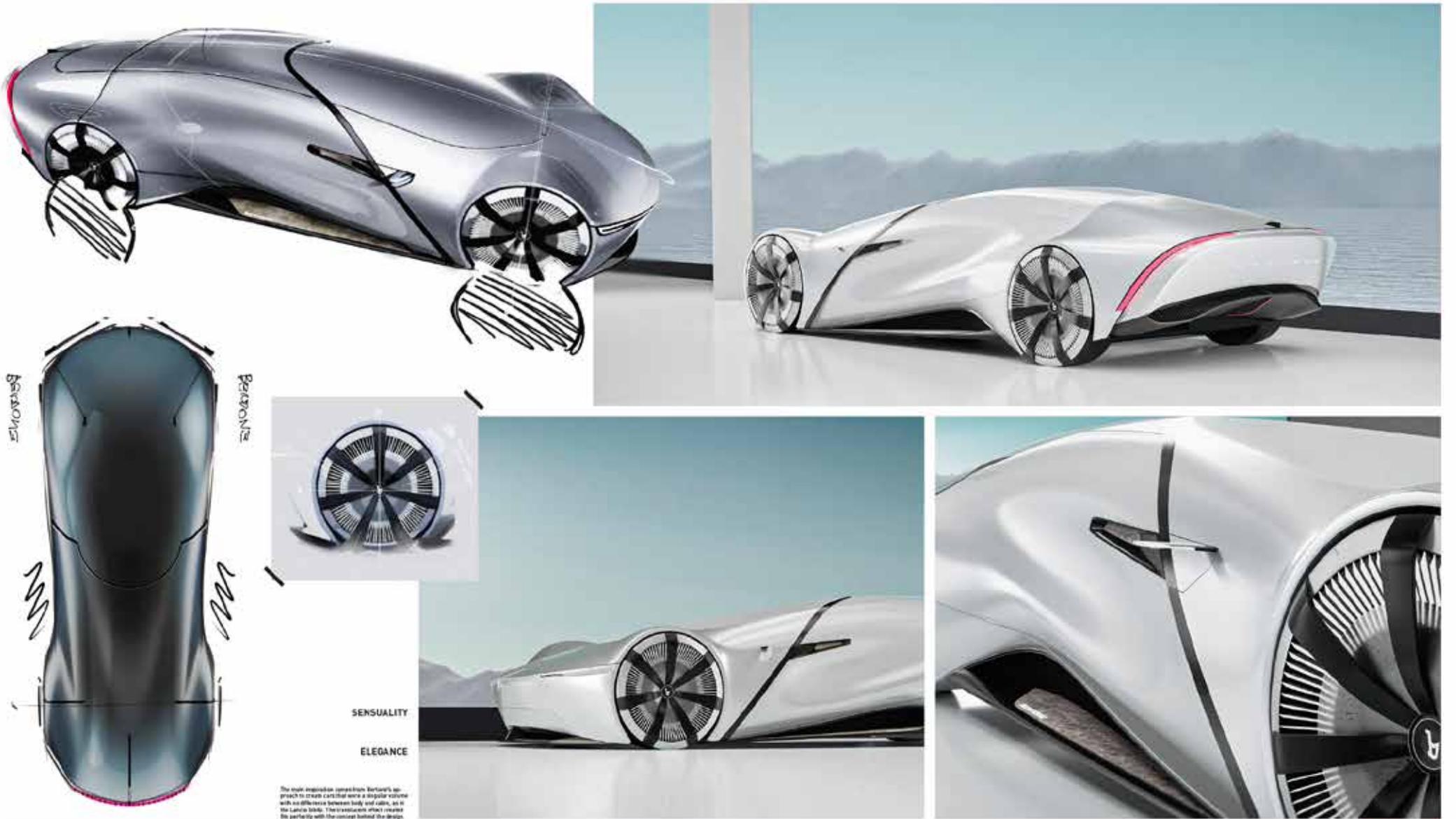
SINUOSITY

Jellyfish are among the animals that most represent the concept of Sublime. They are extremely fast and elegant because of their biological structure, but at the same time they are dangerous and disturbing because of their striking ability. One of their characteristics is that in the dark, in the depths of the sea, they are almost invisible, the shapes we can perceive are given by the light that filters through the water and illuminates them in their wonderful colors.



Overall, the vehicle is designed as a pure and elegant form, free of any details, which hides a second door with a more dynamic car than a traditional one, such as its arms, visible only thanks to the translucent envelope that surrounds it.





SENSUALITY
ELEGANCE

The main inspiration comes from Bertone's approach to create cars that were a regular volume with no difference between body and cabin, as in the Lancia Stratos. The trapezoidal shape creates fit perfectly with the concept behind the design.



SINFONIA

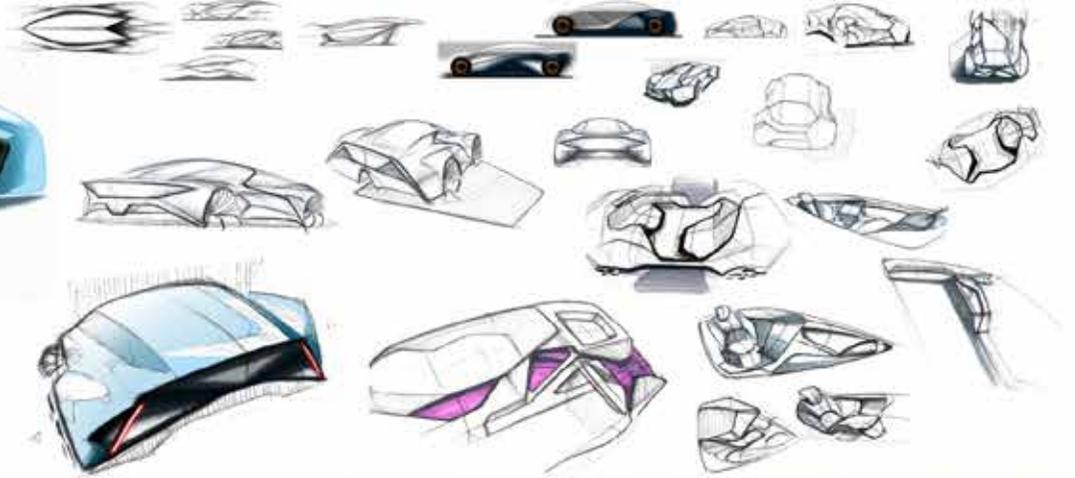
Sinfonia came up with the intention of connecting the immersive experience given by the plasma sphere to the Tesla coils themselves and all their possible developments. The main goal of this project is putting different experiences together to create new emotions and sensations.



IMMERSIVE
SENSITIVE
PEACEFUL



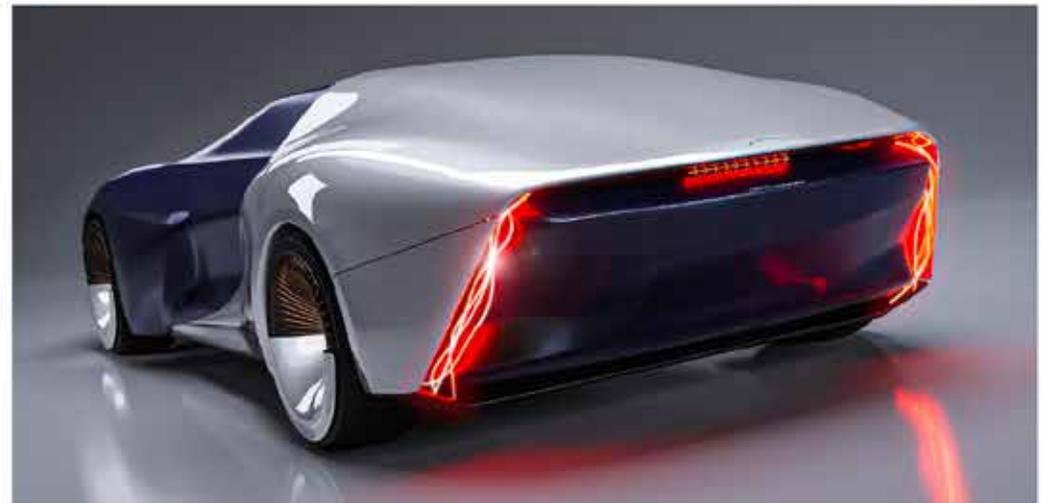
The initial phase involves recreating and shaping the lightning bolt so that it doesn't lose its strength and tenacity in the curvature of the lines and the organic nature of the forms themselves.



SHARP
CLEAN
DIVISION
ORGANIC



TORINODESIGN



SINFONIA

PROGETTO DI TESI INDIVIDUALE - A.A. 2022/2023

GABRIELE
GIANNONE





TORINODESIGN

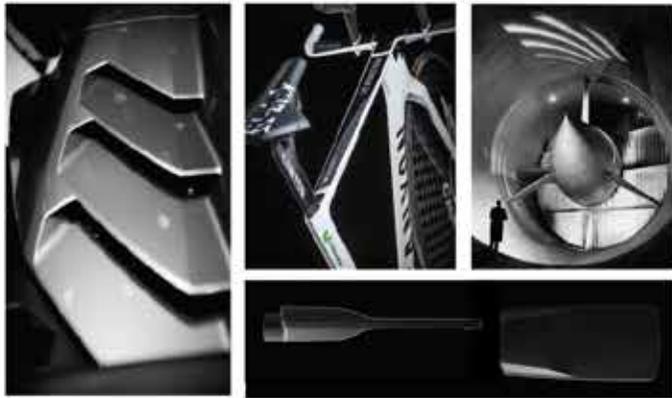


SINFONIA

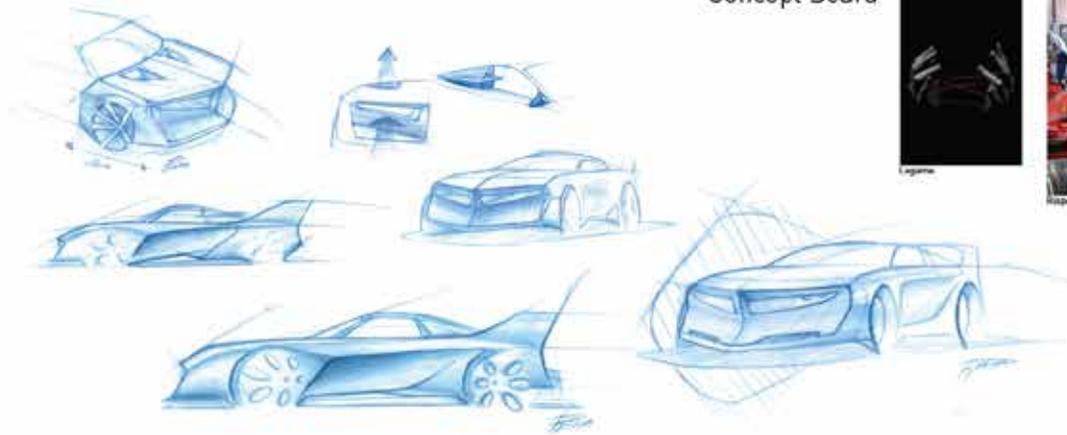
PROGETTO DI TESI INDIVIDUALE - A.A. 2022/2023

GABRIELE
GIANNONE





Clean Simple Aereodinamic Essential



Concept Board





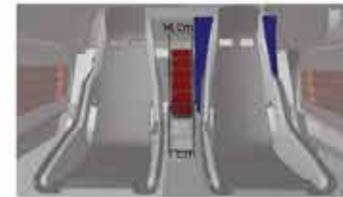
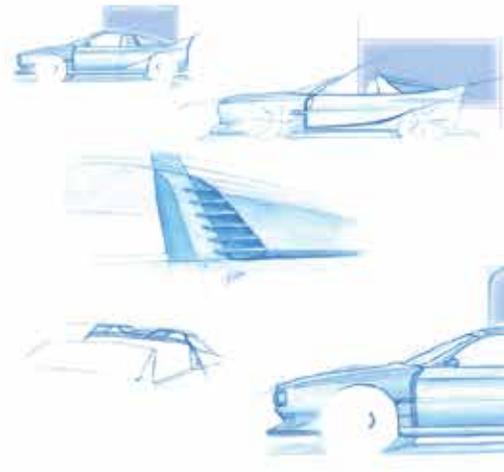
Cared



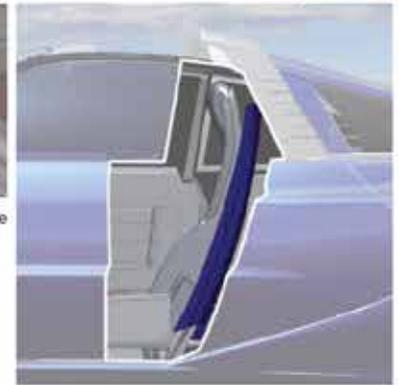
Luxury

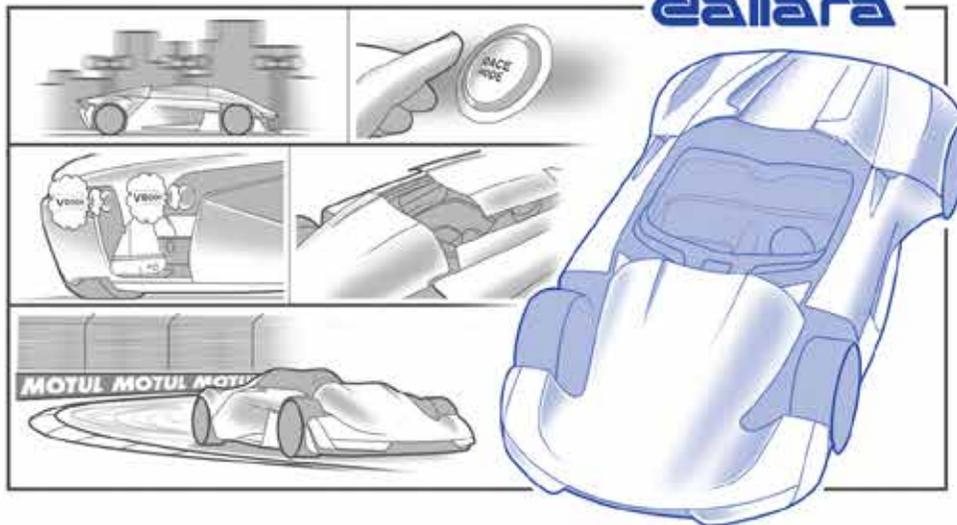
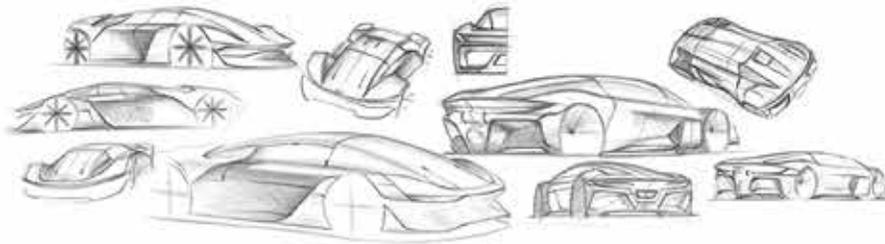
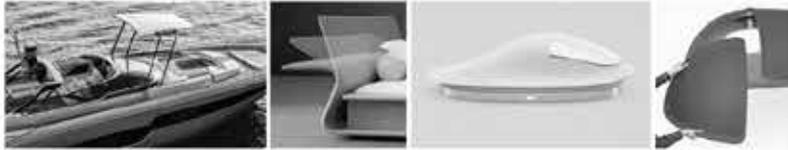


Elitist



Soluzione adottata per tettuccio removibile





THE CONCEPT HAS BEEN DEVELOPED WITH THE GOAL TO COMBINE TWO DIFFERENT VEHICLES UNDER THE SAME HOOD. IT'S CALLED IBRIDA DUE TO THE FREEDOM OF CONFIGURATION THE CAR IS ABLE TO OFFER FROM VARIOUS POINTS OF VIEW. THANKS TO A DYNAMIC UPPER PLEXIGLASS CELL AND TWO POWER TRAINS, IT'S POSSIBLE TO USE THE VEHICLE IN TWO WAYS.

CLOSED: THE PLEXIGLASS CELL IS CLOSED AND ONLY THE ELECTRIC ENGINE IS TURNED ON FOR A BETTER COMFORT. PERFECT FOR EVERYDAY CITY LIFE.

OPEN: THE ENDOTHERMIC ENGINE IS ROARING AND THE PLEXI CELL IS OPENED IN A VISUAL CONFIGURATION SIMILAR TO A ROADSTER.



12M synchronous electric motor



Long bodied high turbo V8 engine

◇ **CLOSED**



◇ **OPEN**





DOUBLE CONFIGURATION

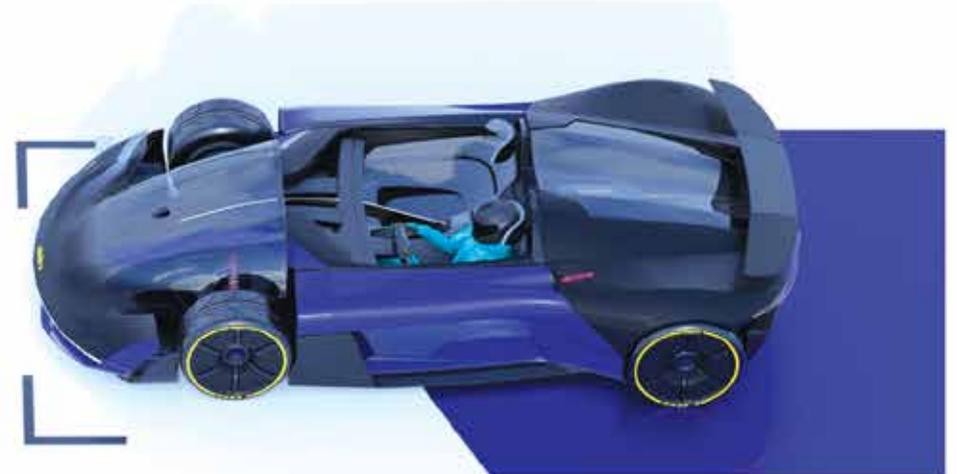
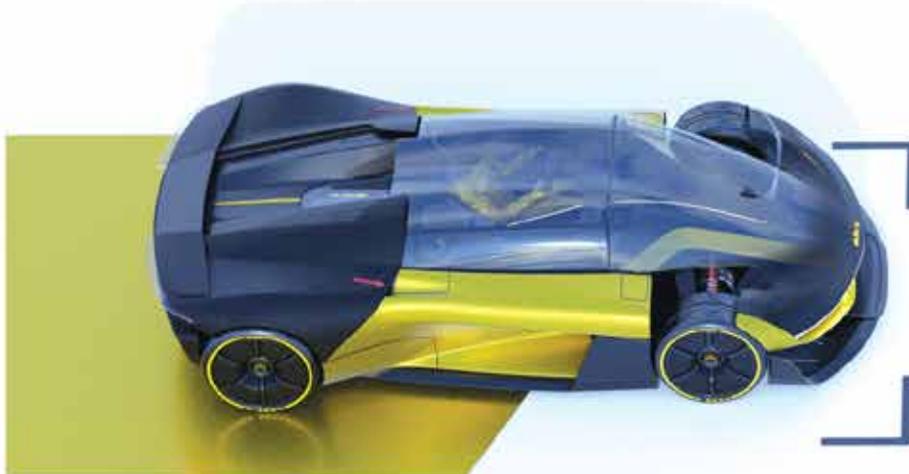
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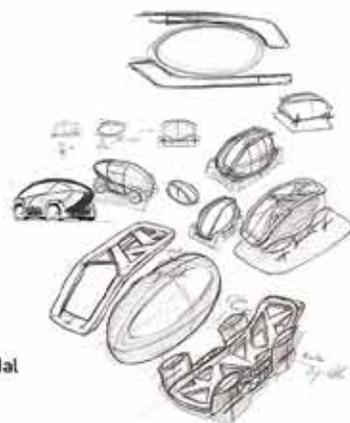
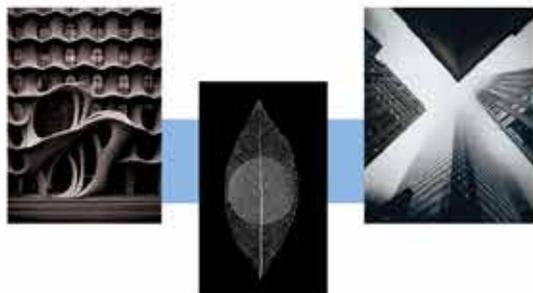
CLOSED



2

OPEN

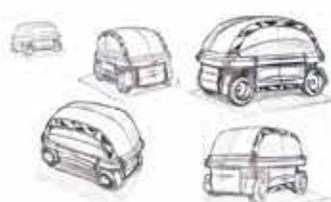




Il progetto F.F.F nasce con l'obiettivo di realizzare uno studio su come abbattere ulteriormente le emissioni prodotte da un veicolo dal recupero dei materiali fino ad arrivare alla sua dismissione.

Lo stile del veicolo, dalle dimensioni contenute (L 2650 mm, H 1600 mm, W 1530 mm), è stato influenzato dalla Biomimesi e dall'Ottimizzazione Topologica.





Il linguaggio estetico degli esterni continua nell'interno, andando a creare omogeneità e continuità visiva. Come si può notare dalla sua semplicità la vettura mira ad essere composta dagli stessi componenti, riducendo drasticamente la complessità dell'intero veicolo.



Si è quindi ottenuto un veicolo che tramite la specularità, negli interni e sia negli esterni, è molto facile da produrre. Soprattutto si ottiene una vettura perfetta per l'ambiente urbano, adatta ad ogni tipo di user con le proprie esigenze.



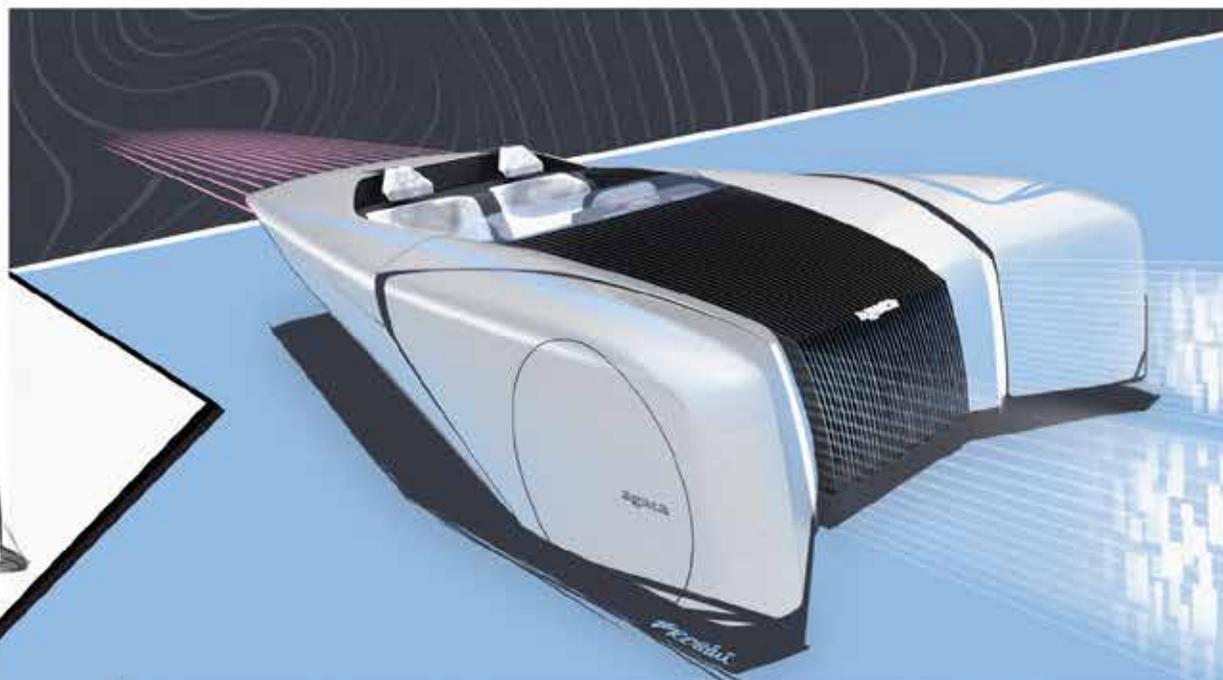
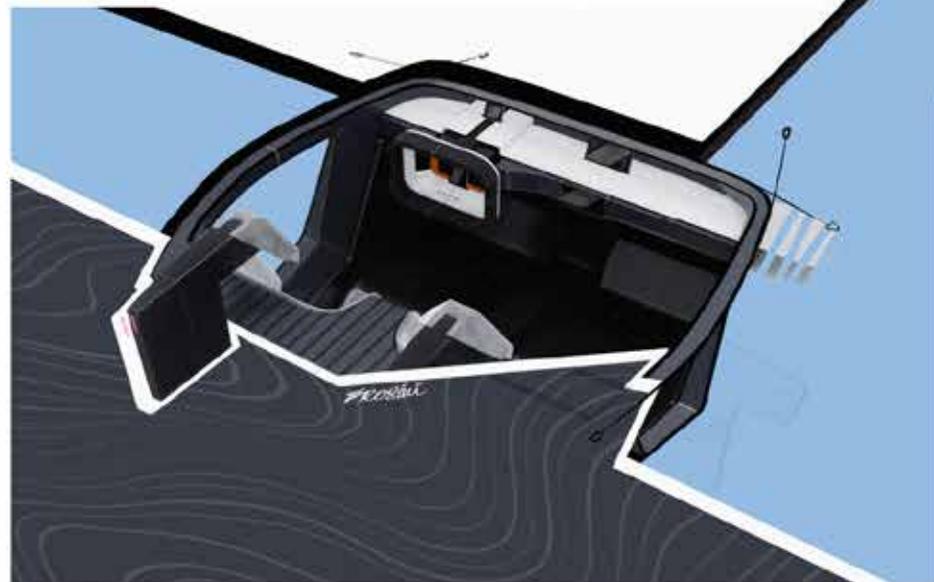
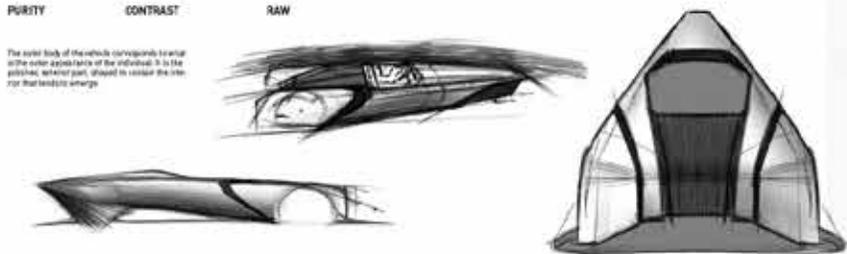
agata

Agata explores the relationship between opposites in the design of a two-wheeled shared vehicle: line in the front and one in the rear. The design is inspired by the human skull with a strongly geometric and angular structure and a pure and elegant surface. The vehicle shows the contrast on a formal and perceptual level, expressing the tension and balance between appearance and meaning. The vehicle also proposes a new vision of the three-wheeled car: expression and emotion.



PURITY CONTRAST RAW

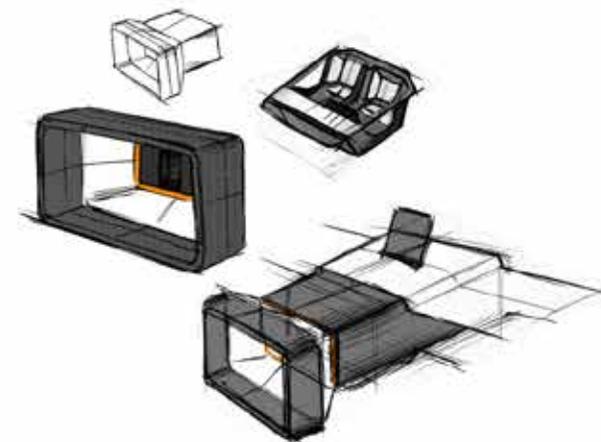
The outer body of the vehicle corresponds to the outer appearance of the individual: it is the polished, exterior part, shaped to contain the user that leads to energy.

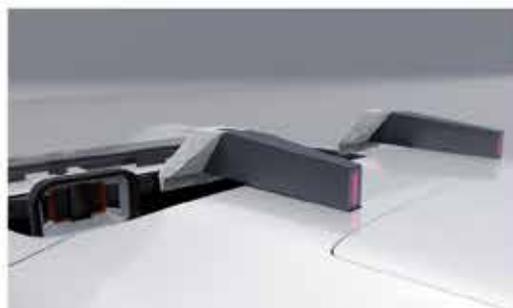


The interior of the vehicle reflects what is the inner, simpler part of the human soul. Its forms will attempt to break out of their linear rules, as well as the hidden and mysterious parts of the personality.



The name of the project comes from the occasion that gave me the opportunity to develop the concept: the Agata store. It is every day (not hidden); in fact, on the outside it would look like an ordinary shop, dark stone, white to interior in colorful, colorful, and with soft, glowing shapes. Simple what it looks like to not appear it to things. The people, are composed of an exterior and an interior and both must be understood in order to know.





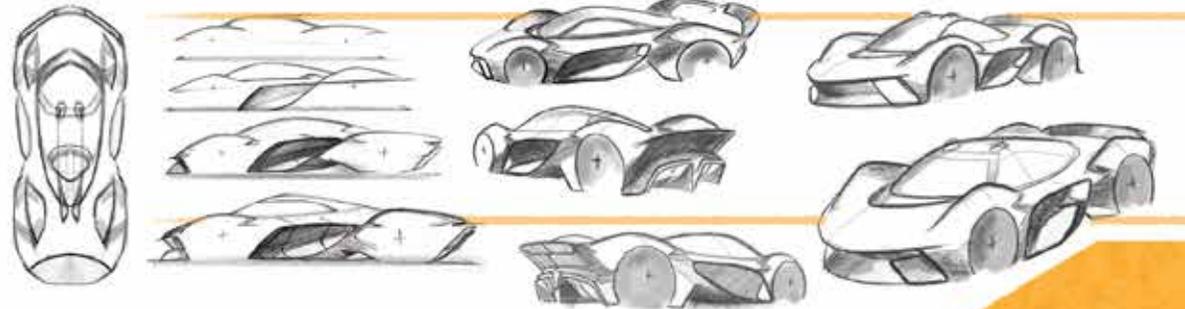
REMINISCENT

A perspective with the potential ability to make you recall the memories that hold a very special place in your heart. A medium that allows you to reminisce those profound memories you share with your loved ones. A medium that allows you to cherish those profound memories and for you are with your loved ones and allow you to create new memories while experiencing something new.

STORY OF FABIO



INSPIRATION BOARD Inspired from the story of Fabio who was truly passionate for the aquatic world as well as the world of cars.



INTERIOR DEVELOPMENT

Something later that doesn't distract you for the reminiscence of your profound memories...



/ TRANSPORTATION DESIGN

// Persona

"Niente è come il tuo yacht Sanlorenzo.
Nemmeno un altro Sanlorenzo."

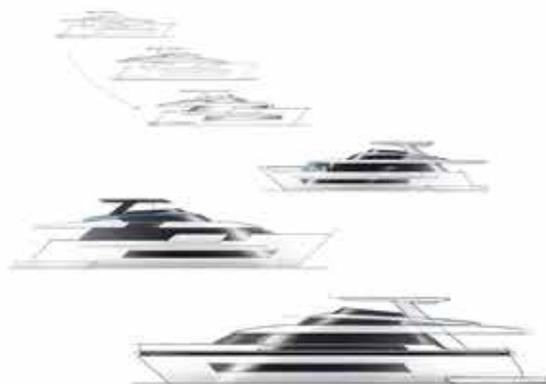
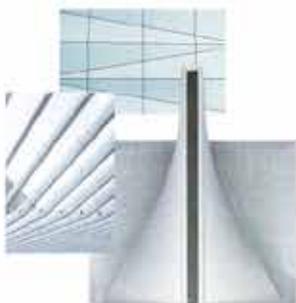
James Veraldi
Sesze, Como
Anni: 22
Professione: Designer
Nazionalità: U.S.A. (Origini Italiane)
Figli: 2

Ex professione: Pilota U.S. Air Force

Tipici di veicolo pilotato: F22 Rapier

Passioni e Interessi: Automobili, Lettere e storiografia
Stile di vita: Ha vissuto una vita di lavoro, ora che è in pensione vuole rilassarsi e prendersi tempo da dedicare alla famiglia e alla sua più grande passione

Abituato alla rigida disciplina militare il partitioning interno, esterno all'interno e alla pulizia, visto la sua casa di nuova costruzione poco fuori Las Vegas, l'atmosfera della sua terra d'origine (l'Italia) sarebbe trascorrere un po' di tempo ad esplorare tutte le coste della "stivale".



SL-F 102/A ORBITA

PROGETTO DI TESI INDIVIDUALE - A.A. 2022/20232

LORENZO
GATTO



Flying bridge



Main deck



Lower deck



Particolare cabina



Timoneria



Entrata salotto



Apertura succoratore

Particolare osservatorio



Microscopio osservatorio



Cabina armatore

Bagno cabina armatore



Cabina armatore



Cabina vip

Bagno cabina vip



Cabina vip



Cabina guest

Bagno cabina guest

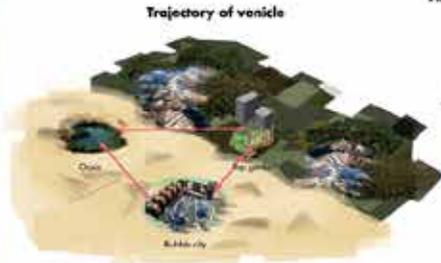


Cabina guest

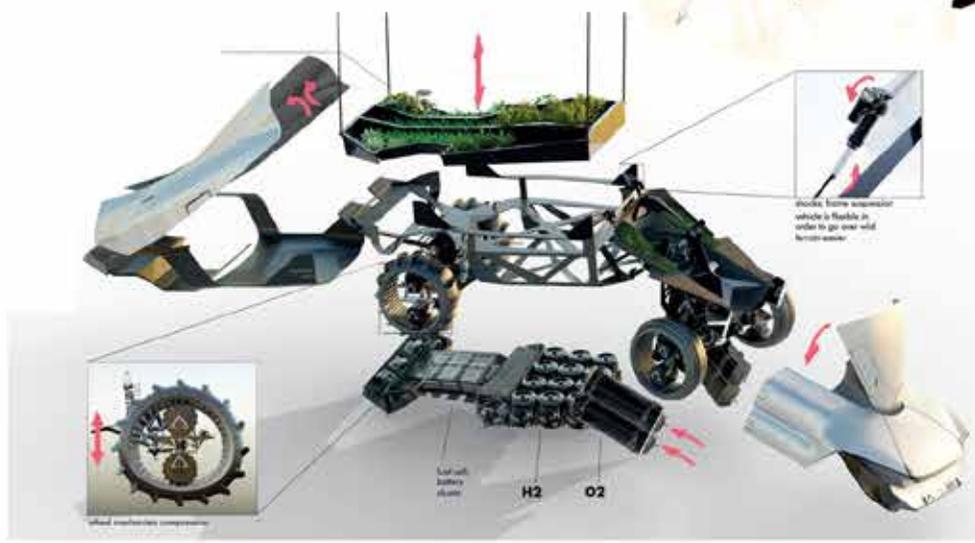
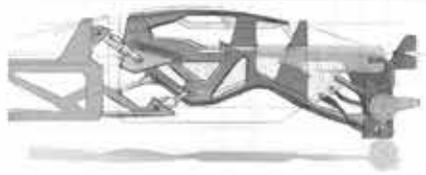
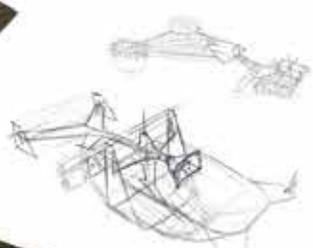
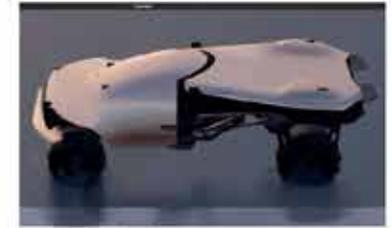
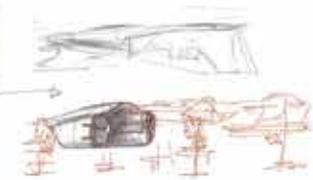
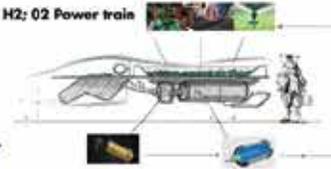


Desert expansion and the dangers of dying plants

Humans have abandoned infrastructure between cities and live in protected bubbles. There was a shift between countries to deal with multiple natural disasters. However, due to climate change, extreme heat events in the desert continue to increase. This leads to fires and landslides along and turning into sand. The desert expands, humanity is in danger of being swallowed.



H2; O2 Power train





. t h e .
Speed garden
of the desert

"The ace system must be managed. Abandonment is not a solution. We need to win across the endless landscape in order to preserve it. I prefer a desert storm to a crowded city. Let them think we have gone mad. They are just afraid of the elements. The slowly run collaboration!"



ARTISTE

Architettura

Prague 2011

TISSUE

KEY SKETCH

DS

Différente expression
capacité de chacun de s'exprimer.

DS AUTOMOBILES

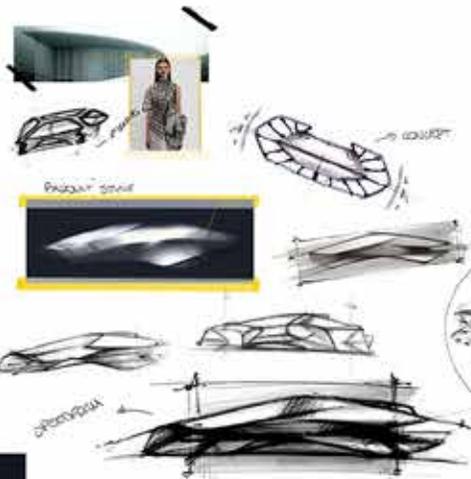
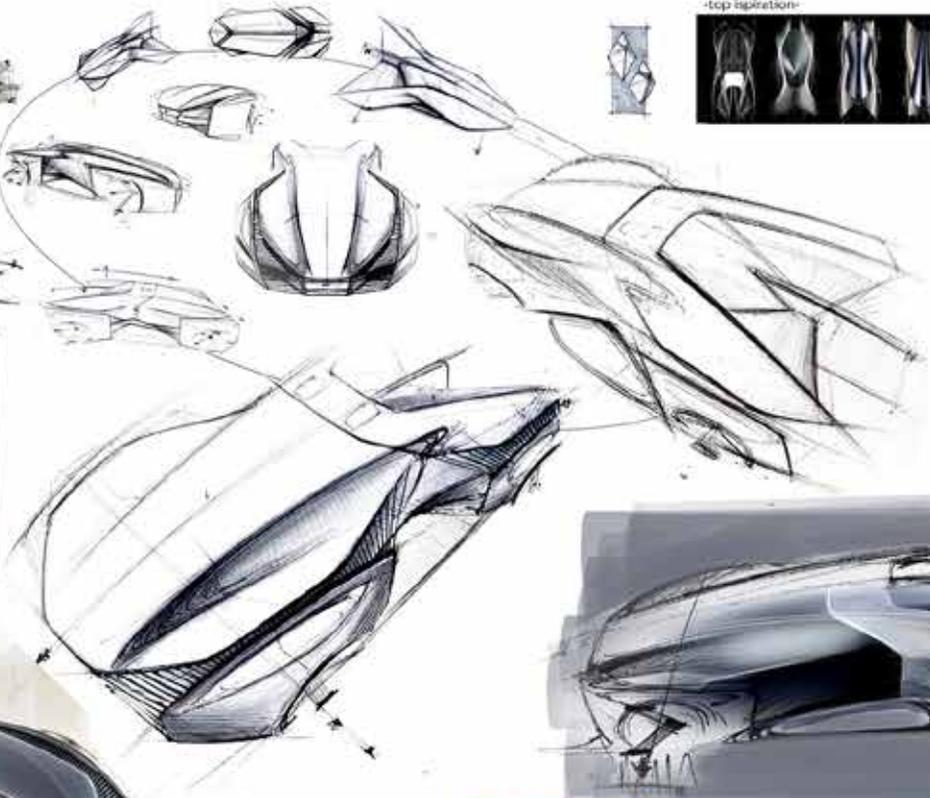
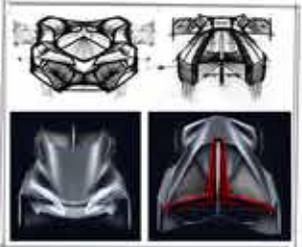
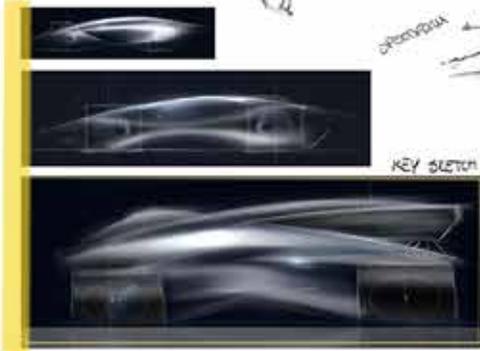
ARTISTIC

-top inspiration-

FINAL TOP

FINAL SHAPES

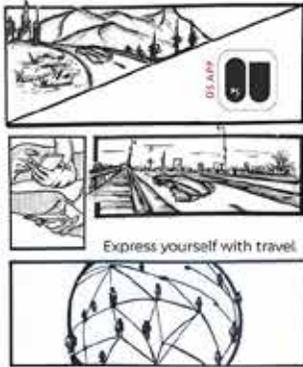
-ART DE VOYAGER-



**/ TRANSPORTATION
DESIGN**



ONLY YOU



Express yourself with travel



TISSUE



CHORDS

ART DE VOYAGER



THE JOURNEY
Three version



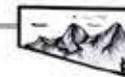
Sport mode

Sport asset with capsule, chord and tissue closed



Sedan mode

Sedan asset with capsule, chord and tissue open



Suv mode

Suv asset with capsule closed, chord and tissue open

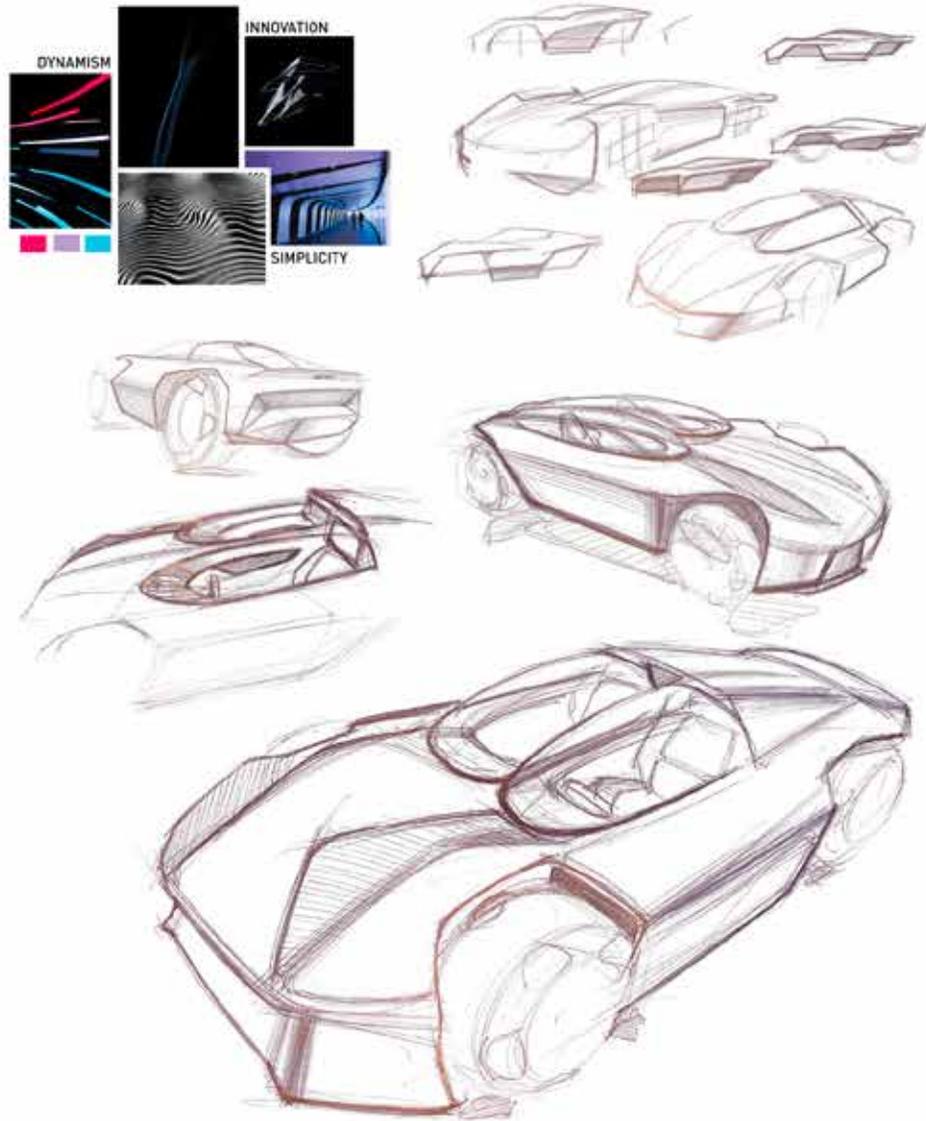


DS ARTISTE

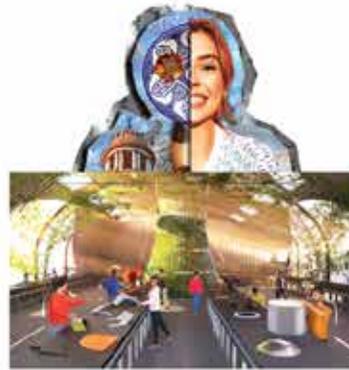
PROGETTO DI TESI INDIVIDUALE - A.A. 2022/20232

NICCOLO
ABRAM









Fragmentize + Destructurize



Just like Picasso.
(Fun fact: We share the same name)



What do you see?
Everybody will have its own interpretation of these paintings.

If you want to create something absolutely new and unpredictable,
you can not rely on the same old methods.
For that reason I developed my own design process.



Wink, Wink!



Legibility + Dissectability



Ordinary CCTV camera



Eyebrow bookshelf

Twisty Grill



Cyclops Woofer

The Pot



Repurposed Desktop Frame



Ear Table



Wash-Machine Components





MACHI

2022

150 CV

ESSENTIAL

GOOD PRODUCT

2024

10000000

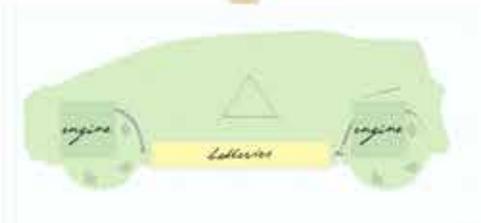
DEEP

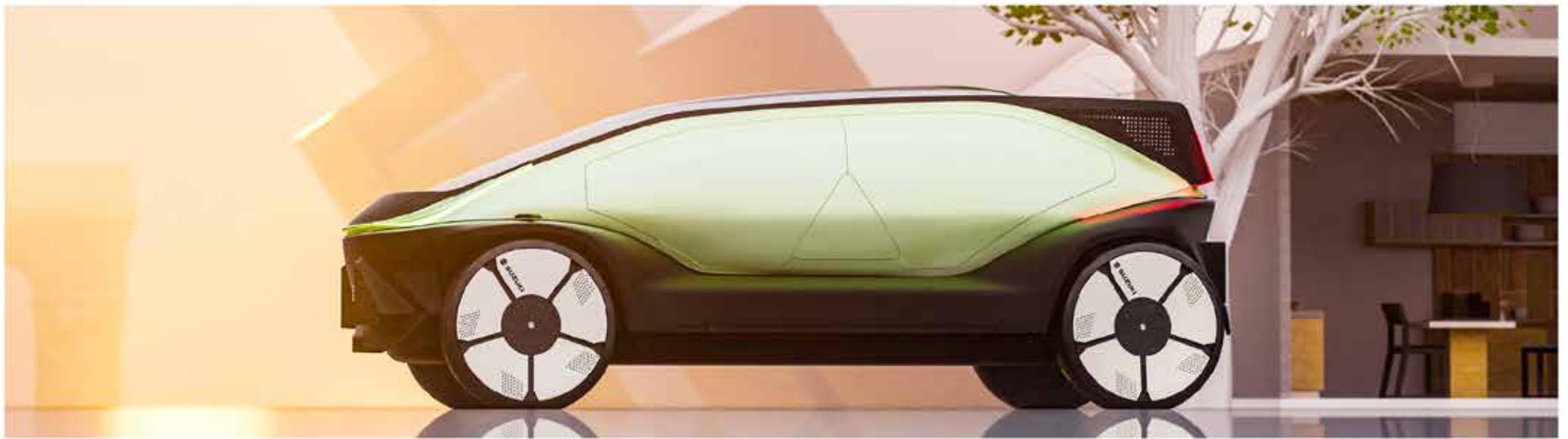
IDEA

FUNCTIONAL

Living in the city requires accepting a certain level of sustainability. Long commutes, noise, air quality, and a lack of space. The car is a fundamental part of many people's lives, and it's important to design a car that can help solve these problems. The Machi is a car designed to be a sustainable and functional solution to these problems.

Our user persona is a young person who lives in a city and needs a car that is easy to use and has a lot of storage space. They are looking for a car that is sustainable and functional. The Machi is a car designed to meet these needs. It has a lot of storage space and is easy to use. It is also sustainable and functional.





SUZUKI MACHI

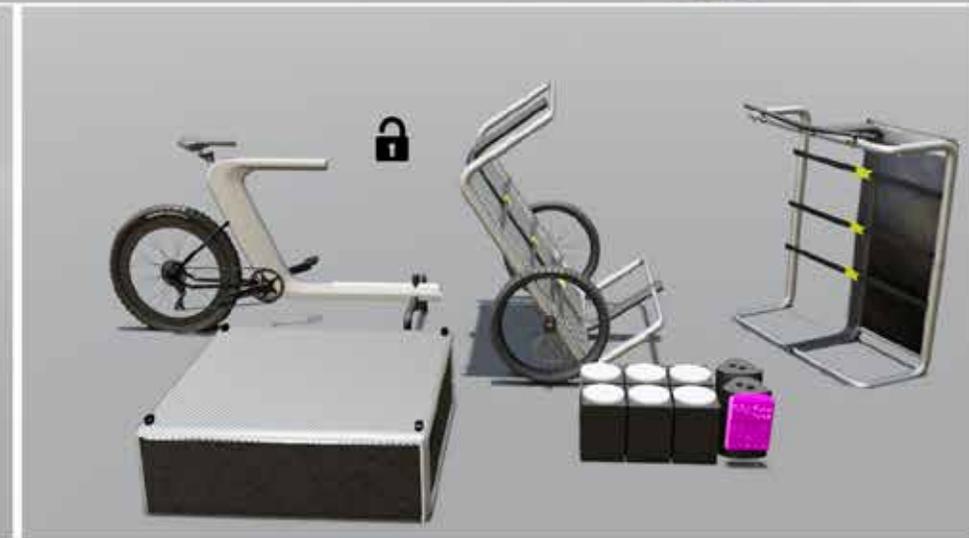
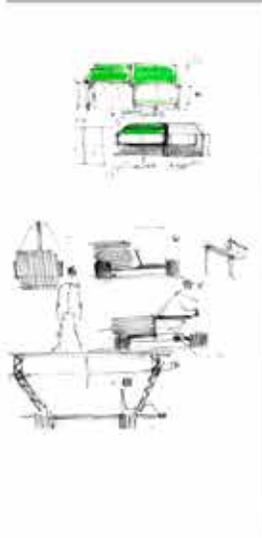
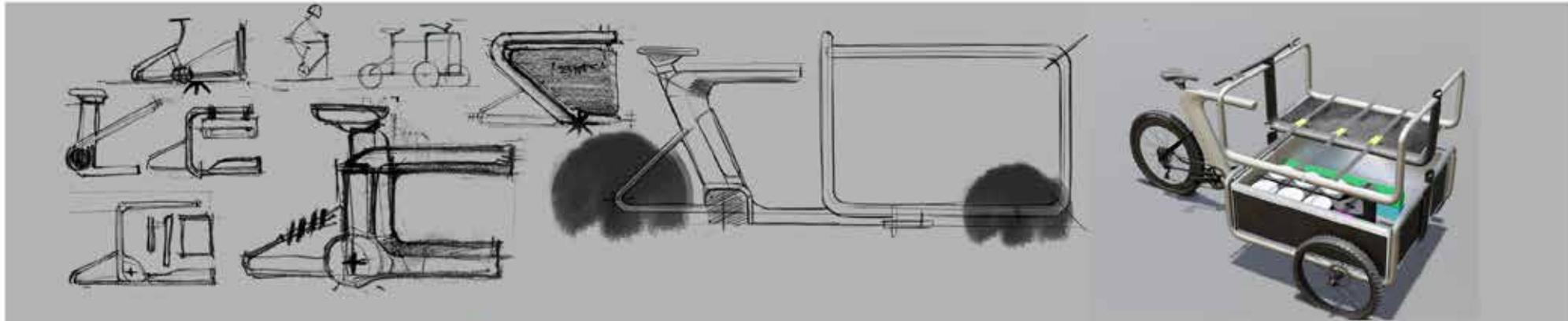
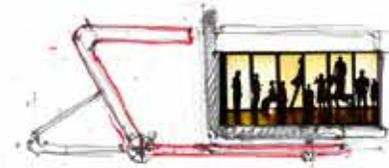
PROGETTO DI TESI INDIVIDUALE - A.A. 2022/2023

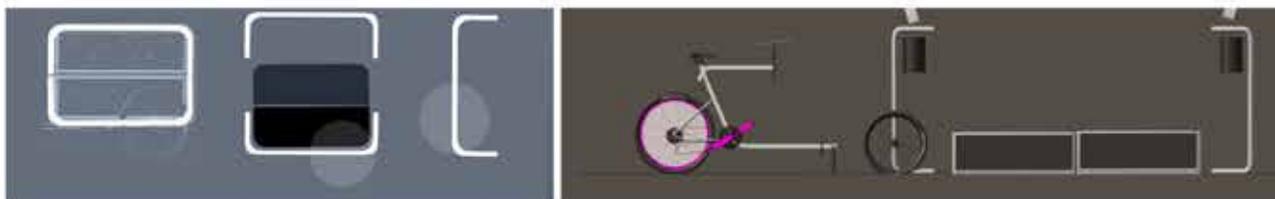
ROBERTO
EULA



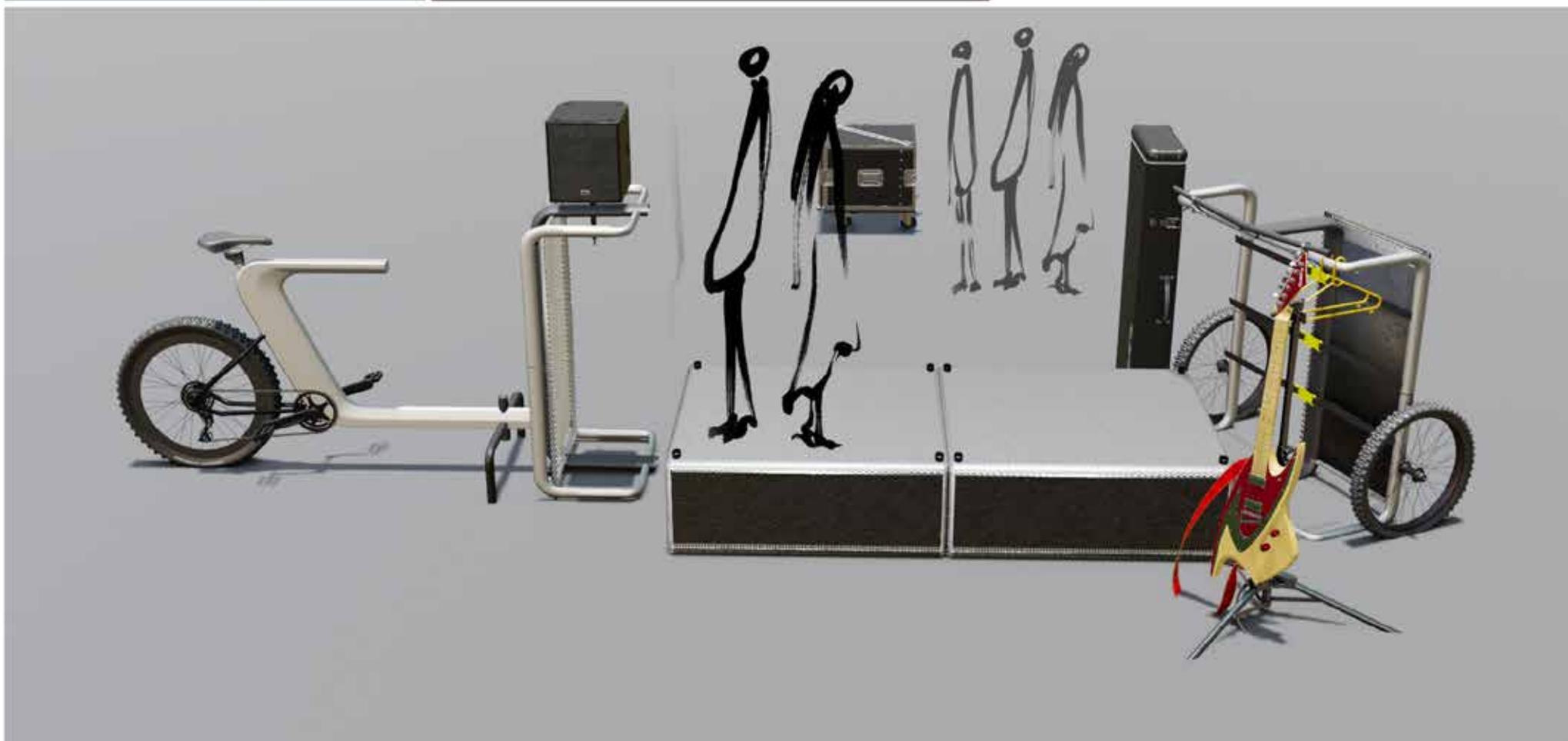


Modular cargo bike for outdoor performances.





Le due biciclette cargo rappresentano un esempio intrigante di come l'architettura effimera si intrecci con le soluzioni innovative per la mobilità urbana. Queste biciclette, con la loro capacità di trasportare merci e oggetti ingombranti, offrono una prospettiva fresca sull'uso dello spazio pubblico e sulle possibilità di creare infrastrutture temporanee che rispondano alle esigenze specifiche delle città in continua evoluzione.



Progress for
Humanity.



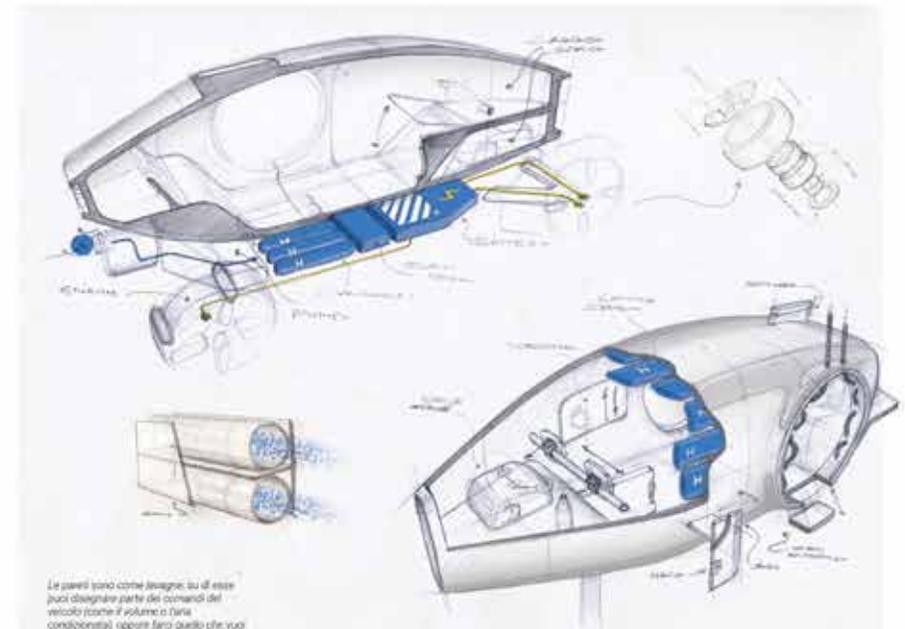
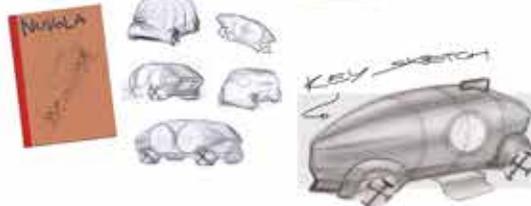
Alienation

La tecnologia è un mezzo per esprimere un'idea, un'emozione, un'esperienza. Non è un fine in sé stessa, ma un mezzo per raggiungere un obiettivo. In questo senso, la tecnologia è un mezzo per esprimere un'idea, un'emozione, un'esperienza. Non è un fine in sé stessa, ma un mezzo per raggiungere un obiettivo.

L'alienazione nasce con la tecnologia, una tecnologia che oggi diventa sempre più accomodante, permeabile e forse finalmente siamo perdendo il contatto fisico e la gerarchia che c'era con l'auto.



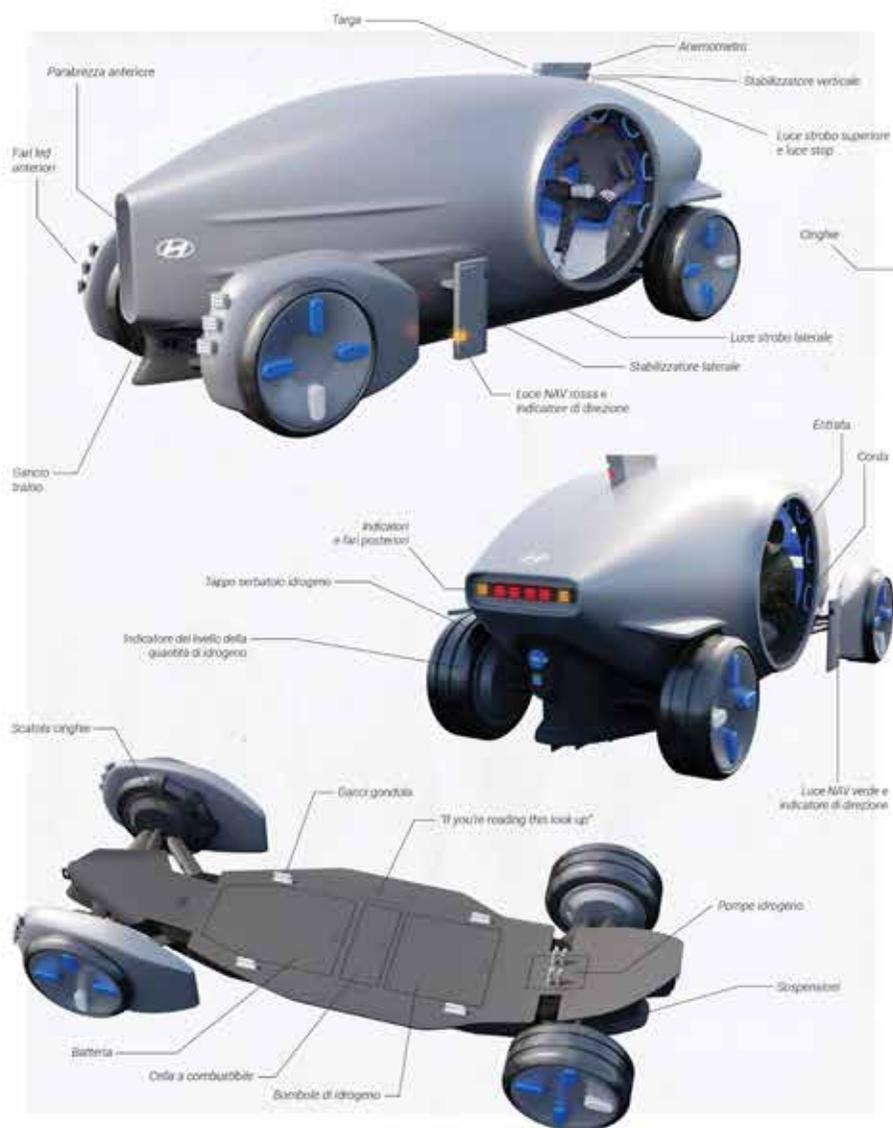
Come possiamo reinventare e trasformare quelle sensazioni tipiche di un'auto tradizionale, come il senso di libertà o l'essere coccolati dal momento, in un veicolo a guida autonoma senza contaminarlo con altri spazi-tempo come il lavoro o mettendo i passeggeri davanti ad ulteriori tecnologie alienante (come schermi enormi) finendo quindi per diventare come gli amici di WALL-E?



Le pareti sono come lavagne: su di esse puoi disegnare parte del comando del veicolo (come il volume o l'aria condizionata) oppure fare quello che vuoi come per esempio giocare a tris.



**MODALITA'
NUVOLA**

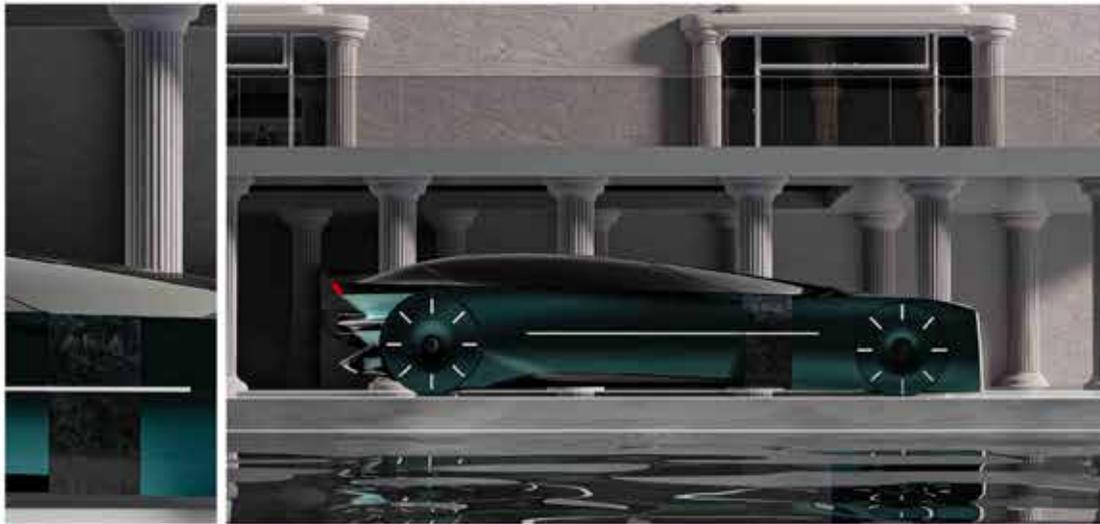




ARIA



Villa
Aura



ARIA

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Simone
Valenza

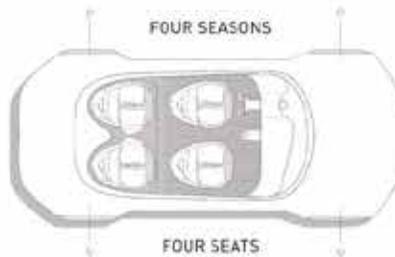




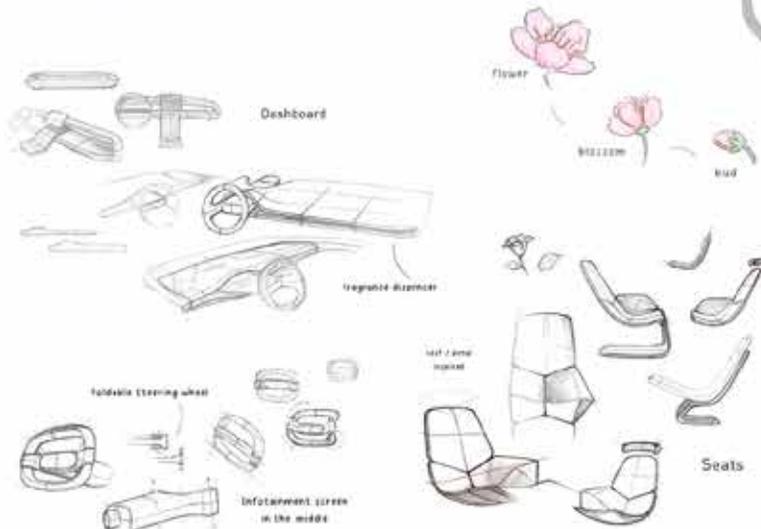
Have you ever felt sad in rainy days, moody when it's windy or hyperactive on a sunny day?
That is called meteoropathy, a phenomenon that presents **mood changes according to seasonal and meteorological variations.**

The goal for this project is to Recreate favorable conditions inside the vehicle so as to restore the balance of the user, exploiting the beneficial factors of each seasons themselves..

The interiors are organized like the life cycle of a flower, and the dashboard represents the bud.



To emphasize the concept of seasons, the car will be a four seats sedan, furthermore, the seats can be rotated to create a common space.



when hidden only the screen is visible





SPRING



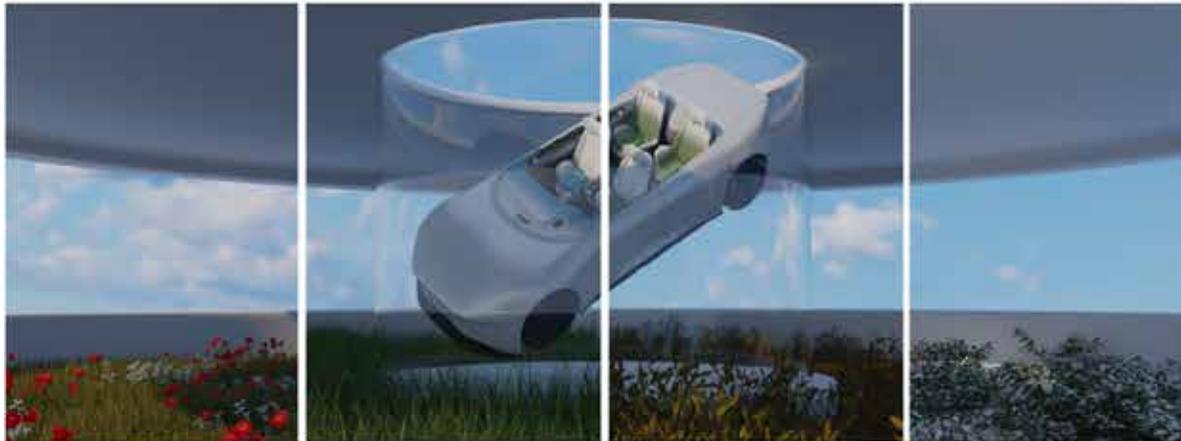
SUMMER



FALL



WINTER



Gear controls

Dashboard

The fabric used is a special material developed by MIT, that change color when stretched. Each season the fabric will change color.



Door panel

front seats
(full and winter configuration)



Back seats
(spring and summer configuration)

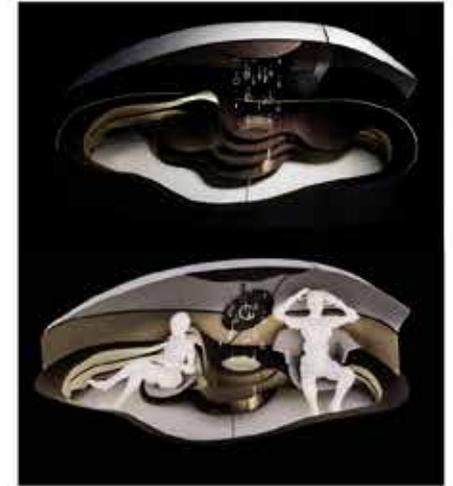


Dive Into a Journey

From Anxiety, through Disconnection and tranquility to Liberation.



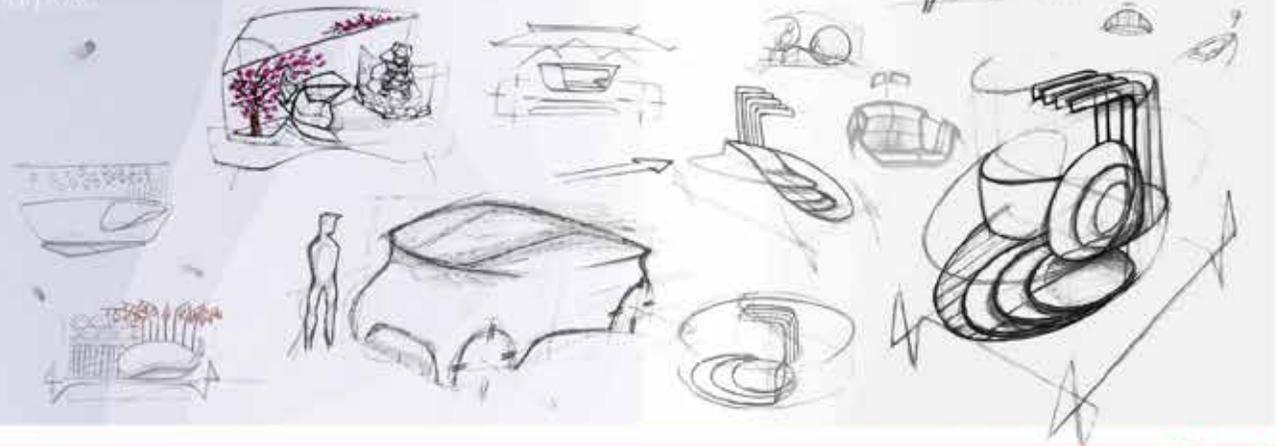
Drawing inspiration primarily from zen gardens, it was interpreted into layers and other design elements.



NIRVANA

A City of an Astral purpose

Exploration

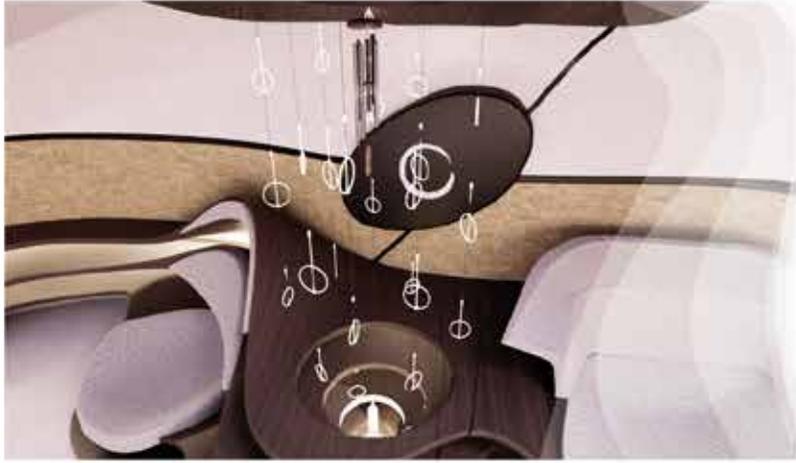


NIRVANA

PROGETTO DI TESI INDIVIDUALE - A.A. 2022/20232

SOHAM
KHANDAGALE





A touch of Culture



Sands of **India**



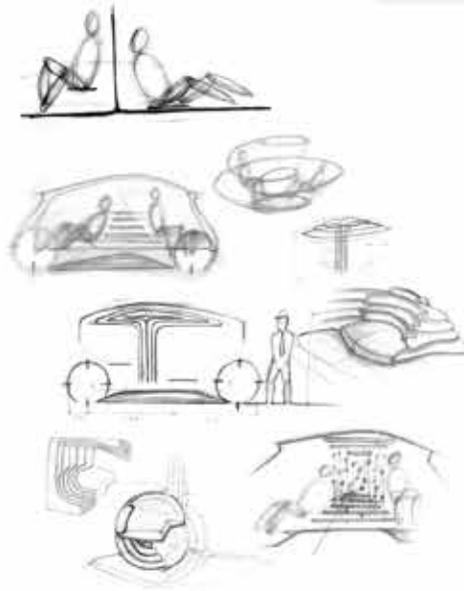
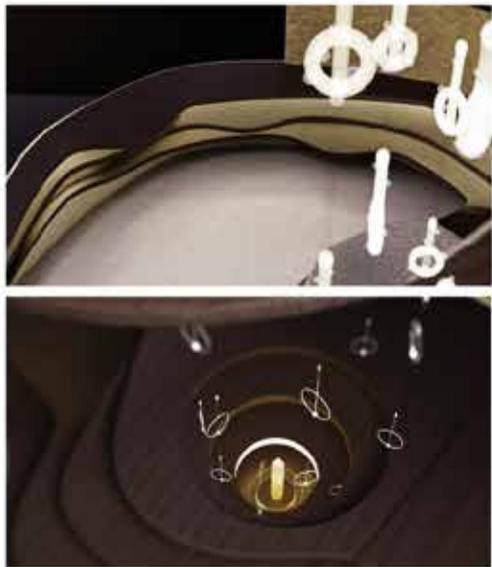
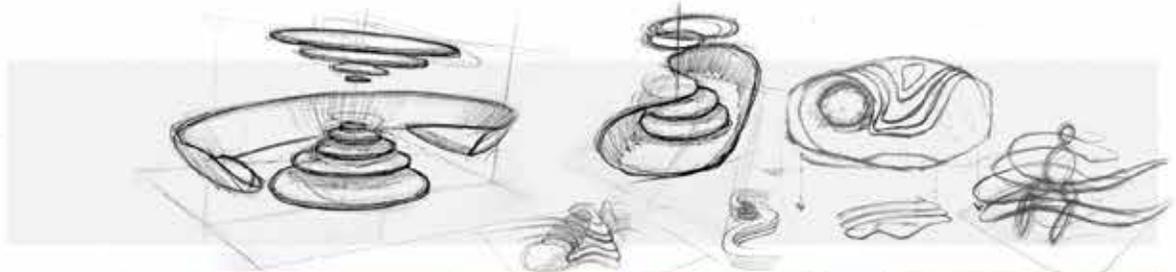
Depths of **Japan**



Roots of **China**

Being few of the oldest, cultures originating in Asia have shown utmost importance to mental health. Preaching the values of peace, they are the perfect inspiration for color and trim of Nirvana.

Nirvana gives the user a pleasing experience by engaging with his senses. The aromatic candles, euphonius wind chime, and minimalistic chandelier positively influence the vibe inside the mobility.



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orientamento-to@iaad.it

