

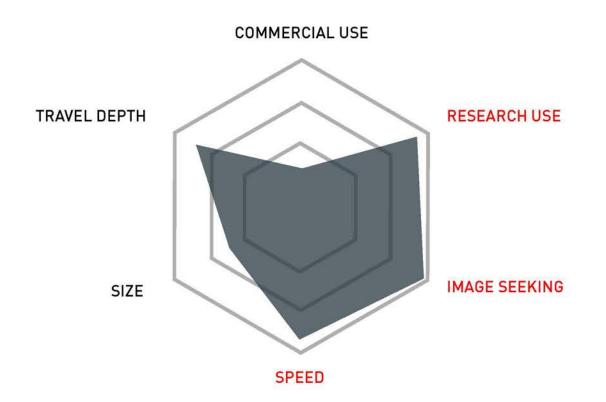


Honda Vortex is a personal submarine. To date, we have explored approximately five percent of the ocean. Much remains to be learned from exploring the mysteries of the deep. The project goal is to design a future submarine that has both shallow and deep water exploration capabilities. In this project, I will be focusing on the interior design.



1964 2012 1976 1999 2007 HOV Name: Clelia HOV Name: Deep Worker Distance: 3,300ft. Distance: 10,000ft. HOV Name: Alvin Distance: 14,800ft. HOV Name: Mir 1&2 Distance: 20,000ft. HOV Name: Deepsea Challenger Distance: 35,814ft.





## What does Honda Vortex do?

Honda Vortex is a **personal submarine**. Its purpose is to help people to better understand the deep oncean world. The tasks include underwater filming, photography, data collecting, sea floor mapping, and etc.

## Why is this different from the other submarines?

Honda Vortex is not only a underwater research vessel, but also offers a whole new driving experience. This project really emphasizes on controlling and the ability to navigate effectively in deep ocean.

Honda has brand image of developing advanced robotics. The interior of Honda Vortex will carry on that, which is to be both high tech and aesthetically pleasing. (For buyers who are the image seekers.)









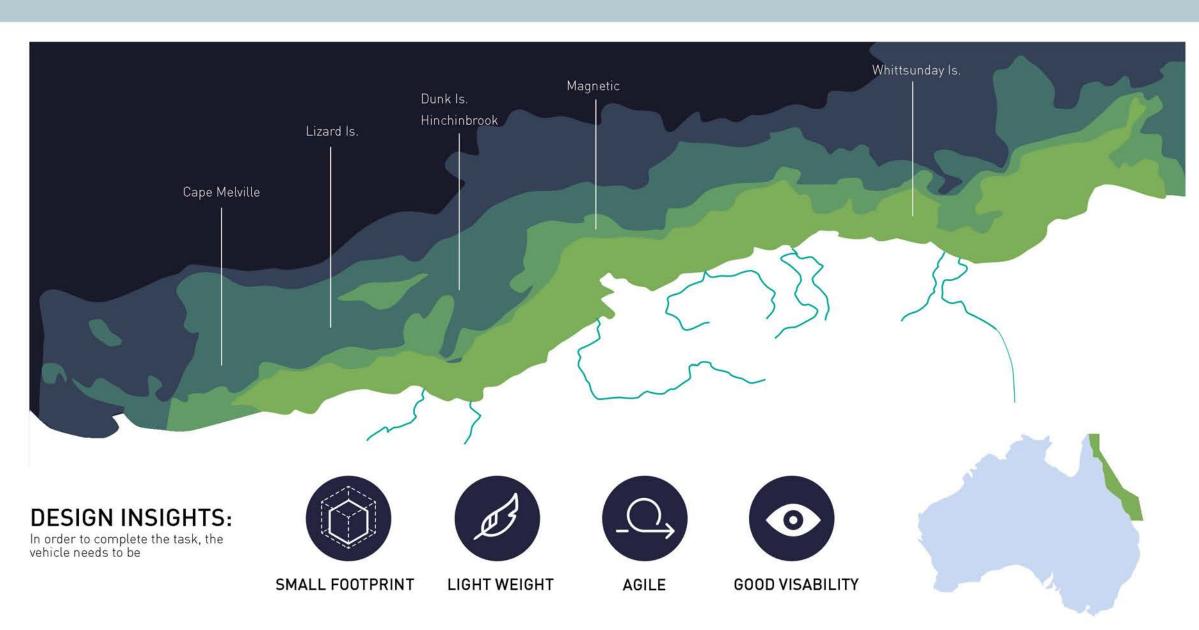
### **LOCATION:** THE GREAT BARRIER REEF - AUSTRALIA

The Great Barrier Reef is the world's largest coral reef system composed of over 2,900 individual reefs and 900 islands stretching for over 2,300 kilometres over an area of approximately 344,400 square kilometres (133,000 sq mi). The reef is located in the Coral Sea, off the coast of Queensland, Australia.

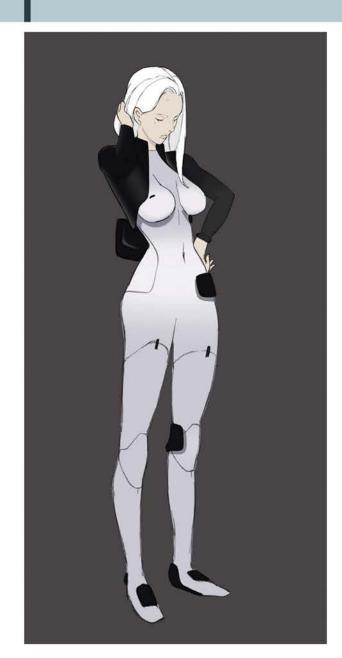
## MISSION: RECORD & INVESTIGATE CORAL REEF BLEACHING

Coral bleaching occurs when coral polyps expel algae that live inside their tissues. Normally, coral polyps live in an endosymbiotic relationship with this algae crucial for the health of the coral and the reef. The algae provides up to 90% of the coral's energy. Bleached corals continue to live but begin to starve after bleaching.









# SHAUNA COXSEY Lives in Brisbane

Australian Female

#### OCCUPATION

- Ocean Scientist
- Environmentalist
- Film Producer

### PERSONALITY

- Active, Outdoor
- Biker
- Extrem sports addict
- Maverick
- Adventurer

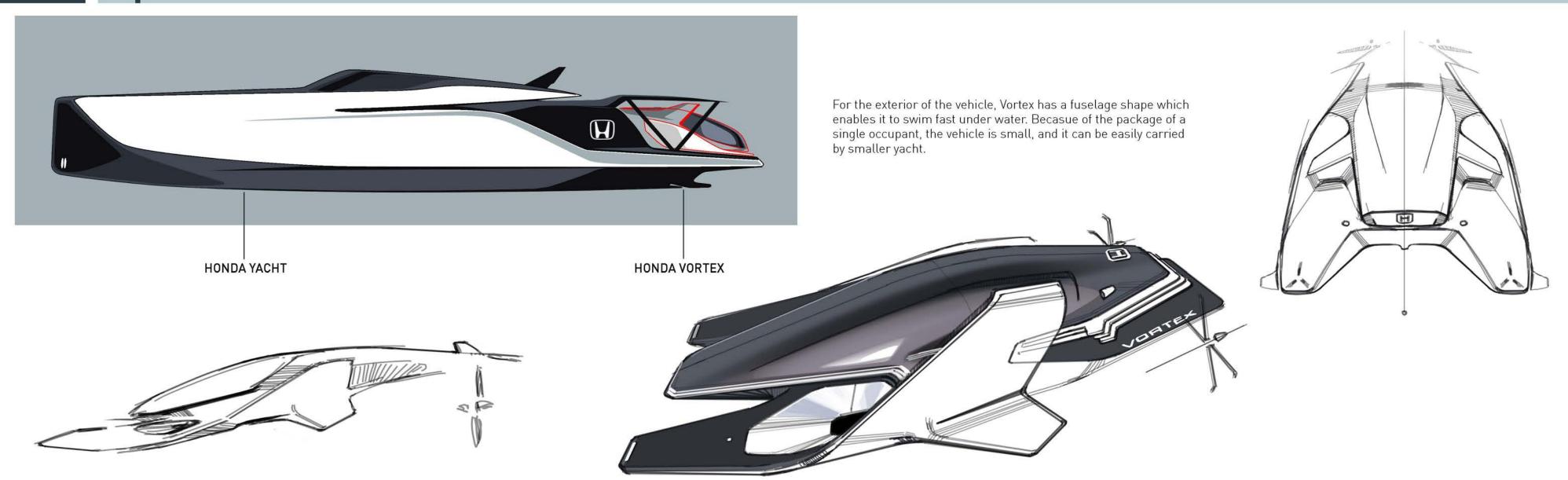




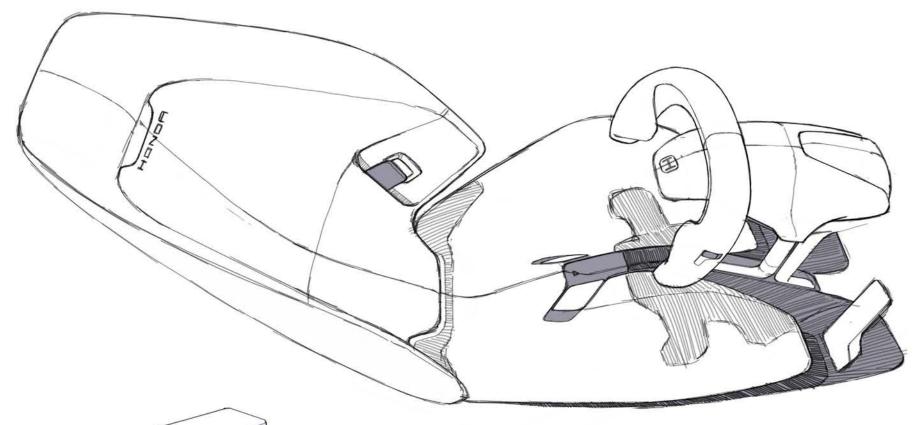


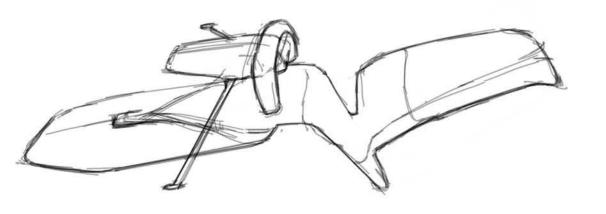
Operating a submarine is like traveling in space. I want the interior to reflect the sense of lightweight, clean, and innovative design.

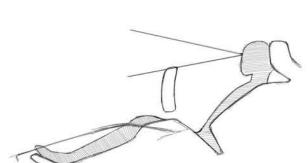




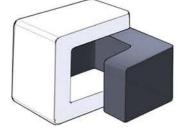






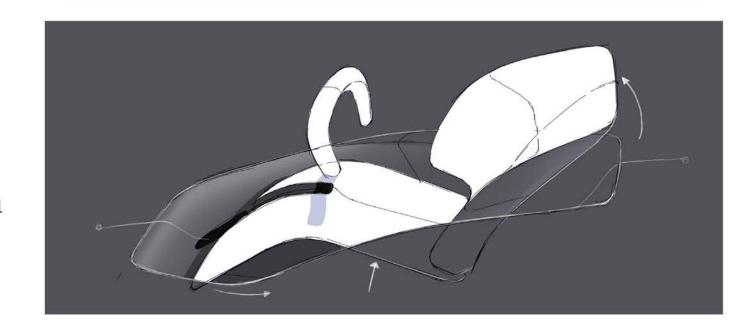


The visibility is not optimal.

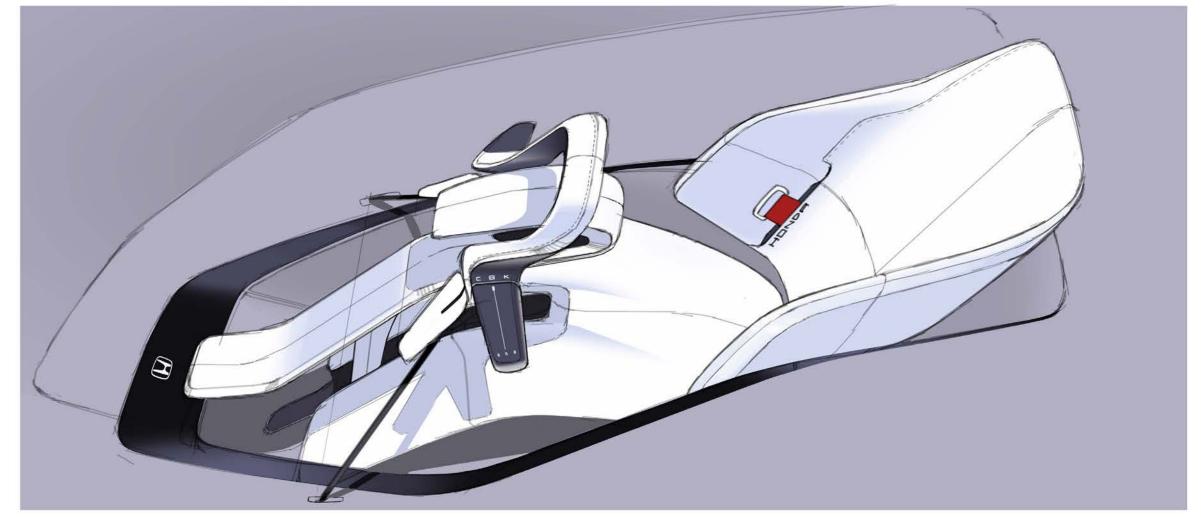


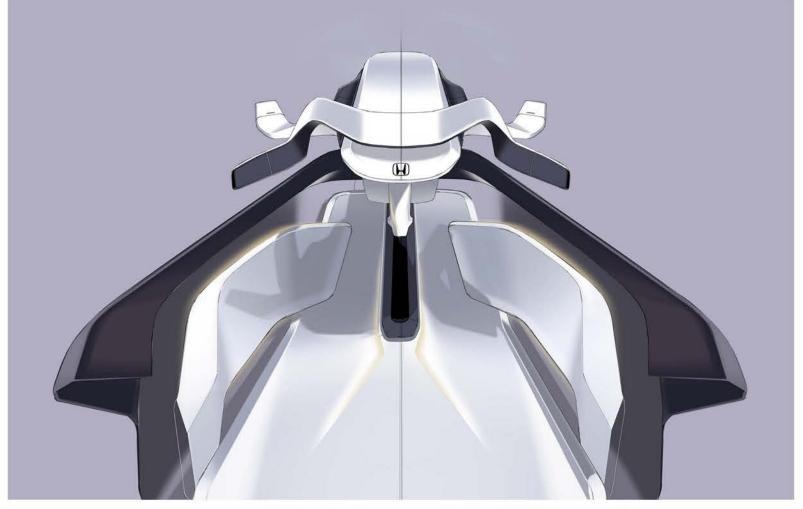
COMBINING + REDUCING = COMPACT INTERIOR

Theme A emphsizes on a traditional sitting posture, the interior is built around the driver. It feels less exciting but more relaxing and comfortable.









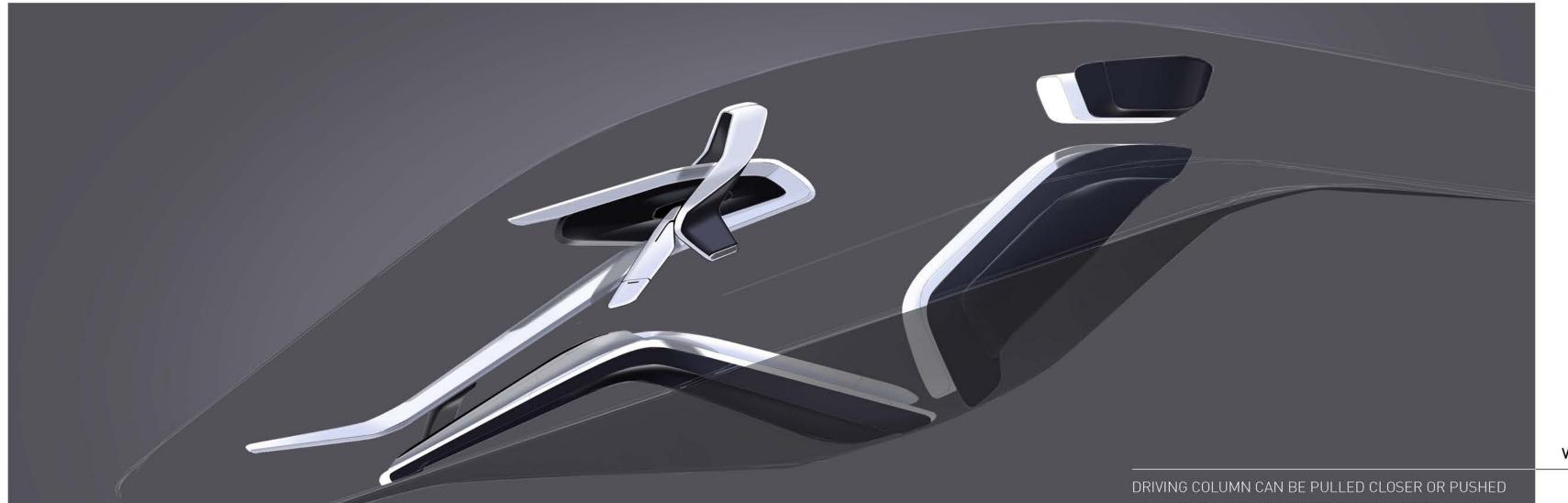
DRIVER'S VIEW

FLOATING DRIVING COLUMN

LIGHT WEIGHT

Instead of using a traditional steering wheel, the design uses a motorcycle steering. Therefore, the vehicle can be handled easily under water.





**VORTEX THEME A** 

AWAY TO ACCOMENDATE DIFFERENT SEATING POSTURE.



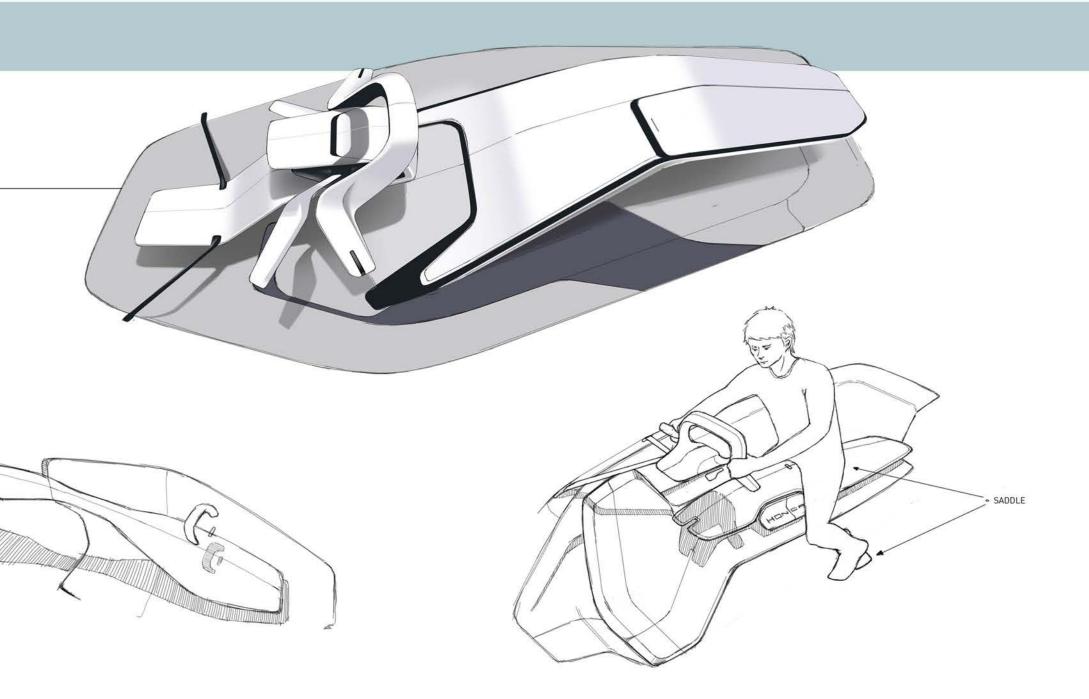
ENGAGING THRILLING FUN TO RIDE



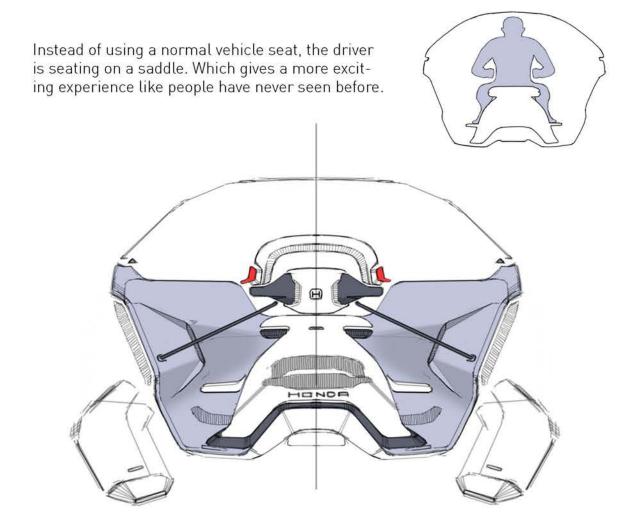


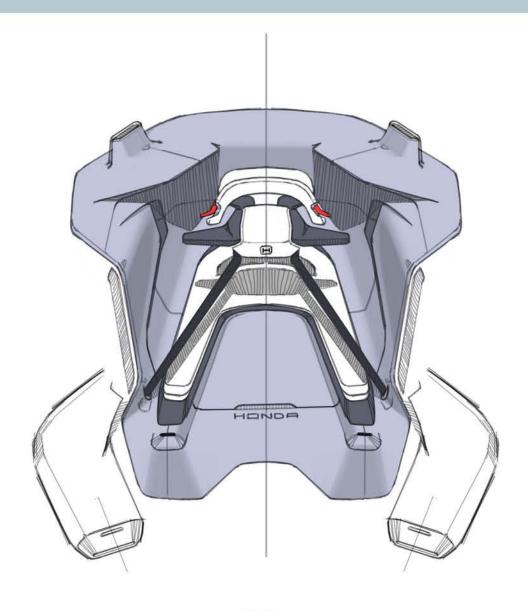
Unlike theme A, the sencond theme is dedicated to a underwater riding experience that had never been seen. Honda has a long motorcycle racing heritage, I want to take advantage of Honda racing. And having the driver to use a prone driving position. It is more engagind and fun to ride underwater

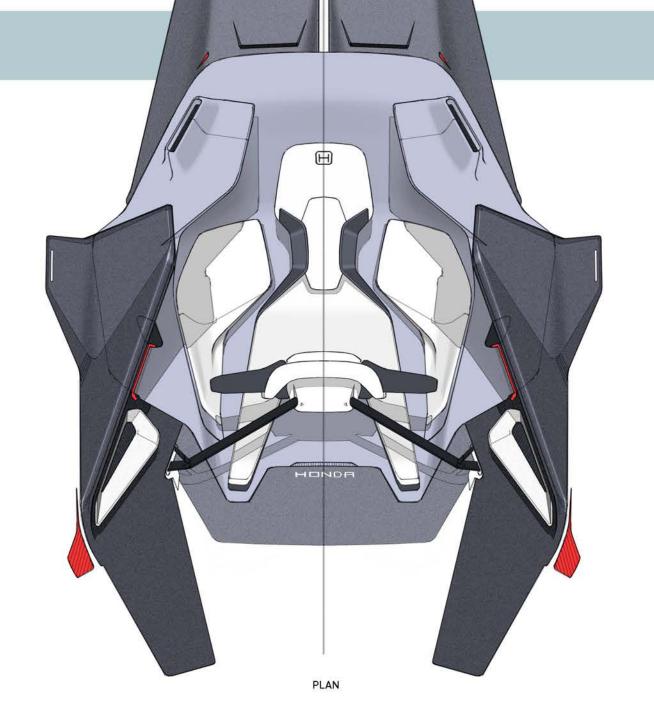






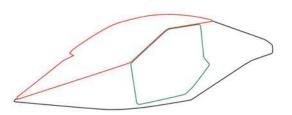




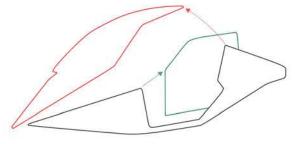




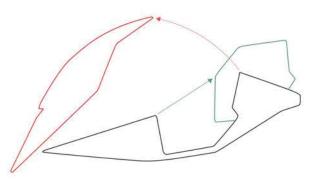
This simple graphic indicates the fully enclosed cockpit (vehicle interior).

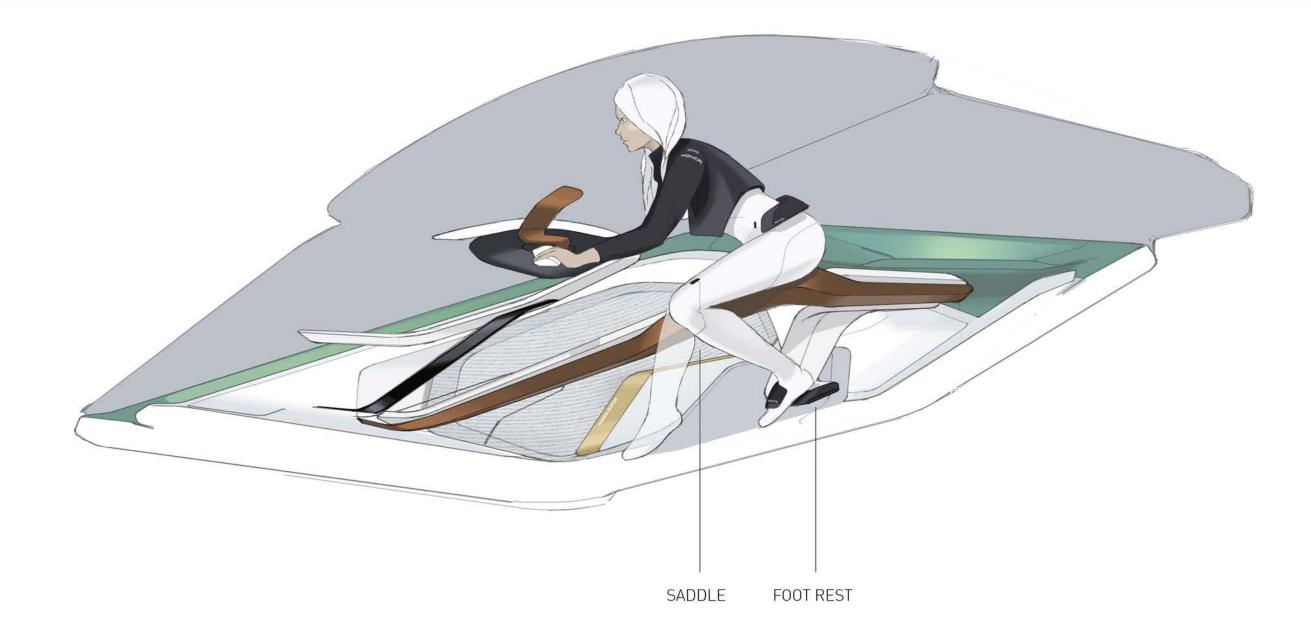


■ Like a jet cockpit, the hatch is front povit. It slides forward and swings upward. Meanwhile, the double hinged side door will side outward and then moves back.



This is when the vehicle is ready for ingress and egress.





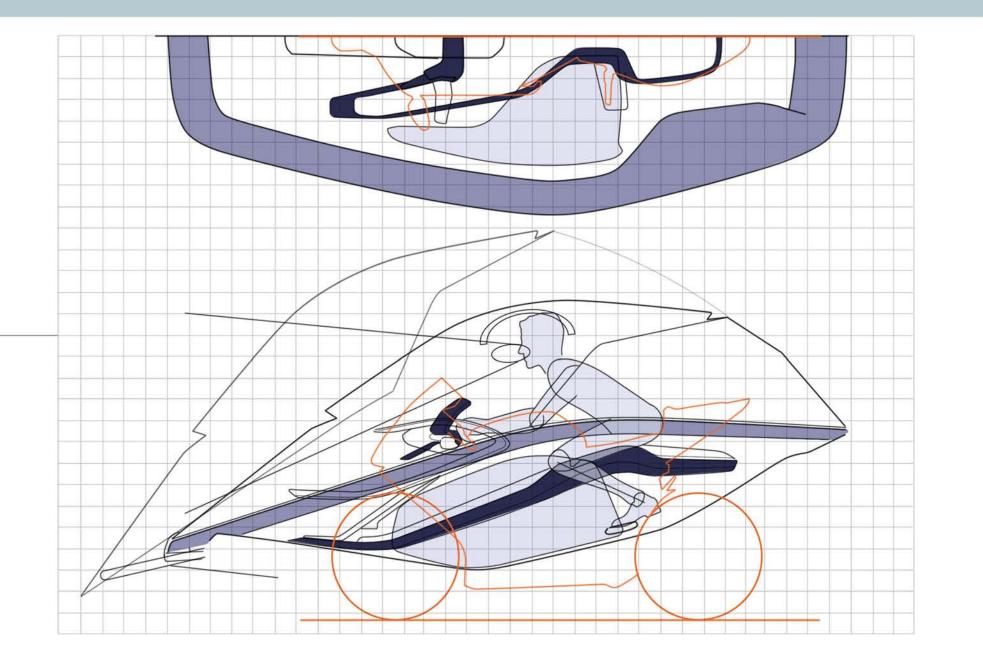


■ Honda Vortex Interior Dimension (MM)

LENGTH	3180
HEIGTH	1255
WIDTH	1680
SADDLE LENGTH	295
SADDLE WIDTH	246

Benchmark Vehicle - Honda CBR600rr
Benchmarked this vehicle mainly for its saddle dimensions.

LENGTH	2010
HEIGTH	574
WIDTH	1133
SADDLE LENGTH	295
SADDLE WIDTH	246

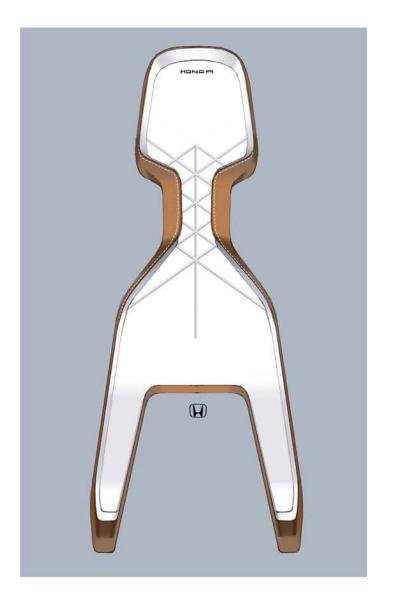


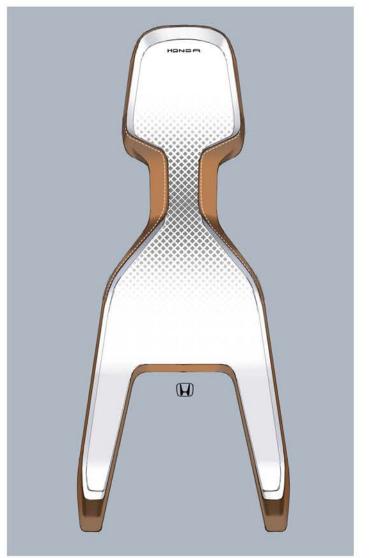


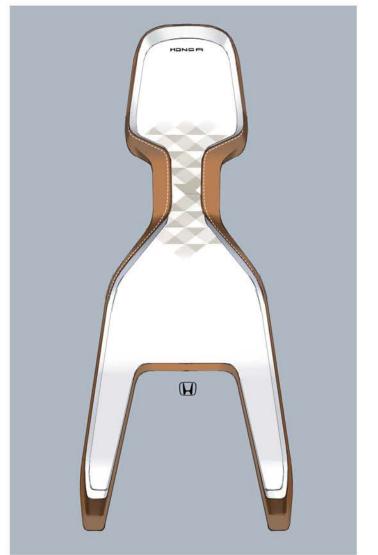
There are reasons to try and apply different color and material treatments to the saddle design:

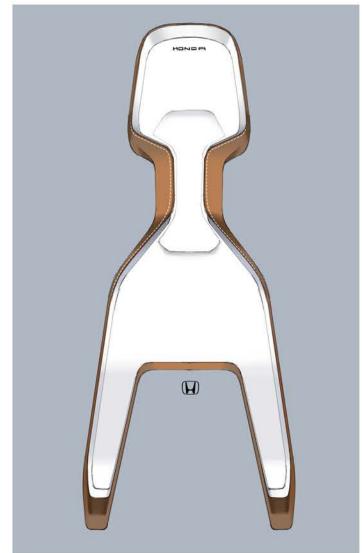
To have a better craftmanship, the interior will look premium and high-tech.

■ To indicate where does the driver seat.

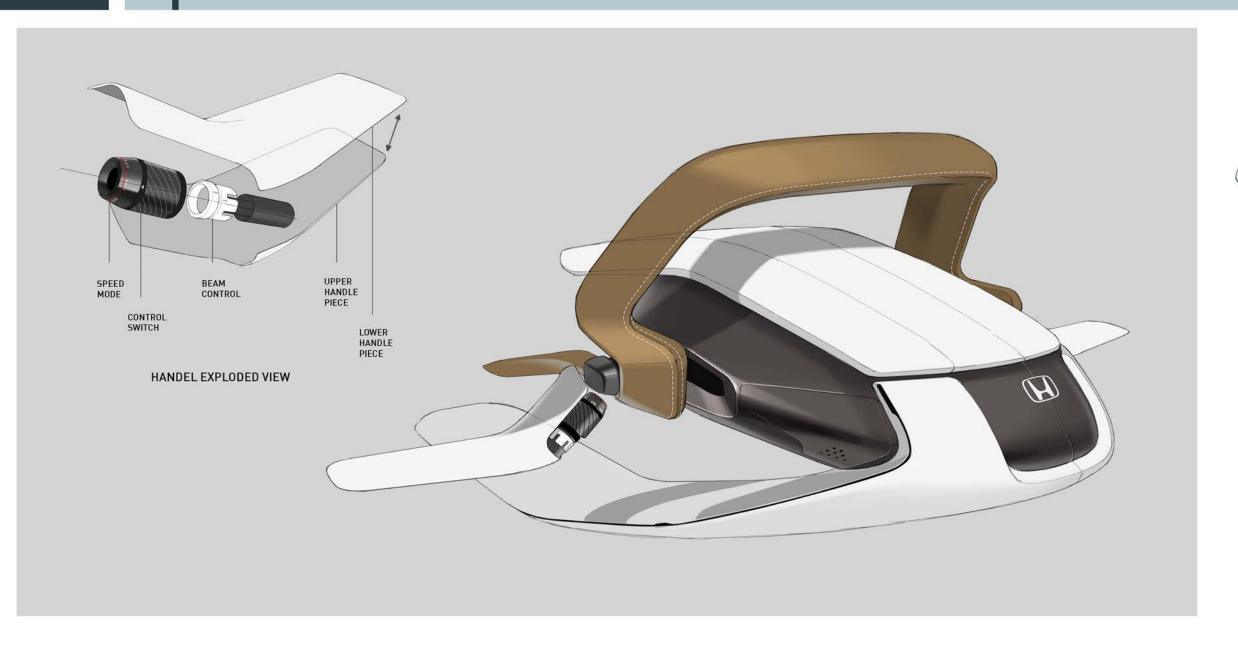


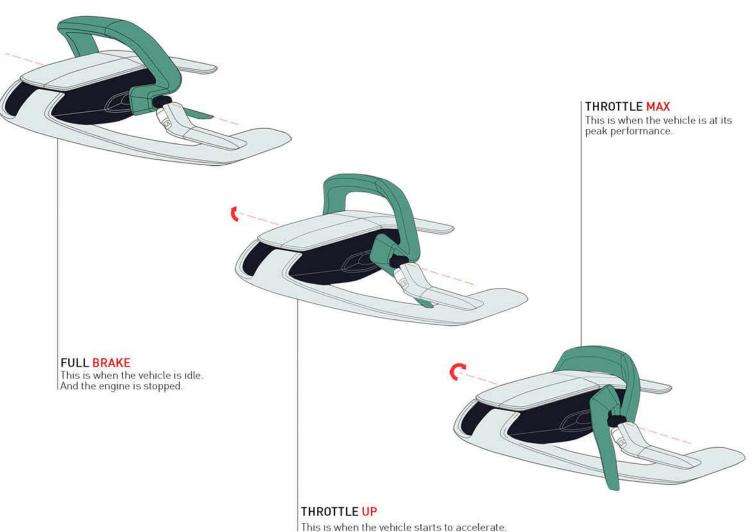






## **VORTEX - STEERING WHEEL DESIGN**







The idea of Light weight design.

- Clean, minimal for visual.
- A floating driving column reinforced by supports and side bars. It is flexible for adjustions. (for different users)

