FREESA

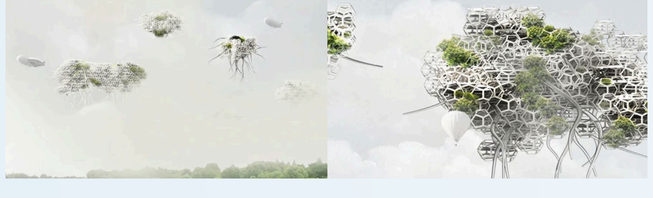
—FUTURE SYMBIOTIC METAVERSE

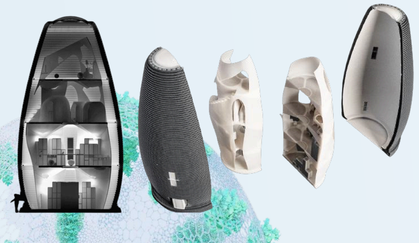
In the year 2250, due to the extensive depletion of natural resources by humans, the global climate is undergoing drastic changes, rendering cities uninhabitable. The inhabitants of the metaverse, the MOBOOs, choose to return to a pure state reminiscent of their birth. They soar into the sky and coexist with nature.

1 Preliminary Research

Sky living system

— a "floating structure" with a vegetation framework covered by planktonic greenhouses, humidity sensors, and epiphytic forests.





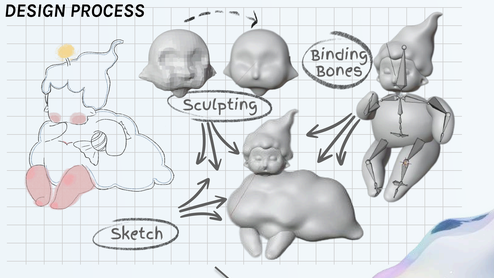
Future Mars habitats

—DUAL SHELL
MARSHA employs a unique dual-shell scheme to isolate the habitable spaces from the structural stresses brought on by Mars's extreme temperature swings.

—IMPROVED STRUCTURE
Marsha's unique vertically oriented, egg-like shape maintains a small footprint, minimizing mechanical stresses at the base and top which increase with diameter.

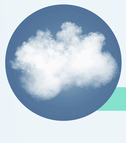
2 Avatar & Metaverse Space

DESIGN PROCESS



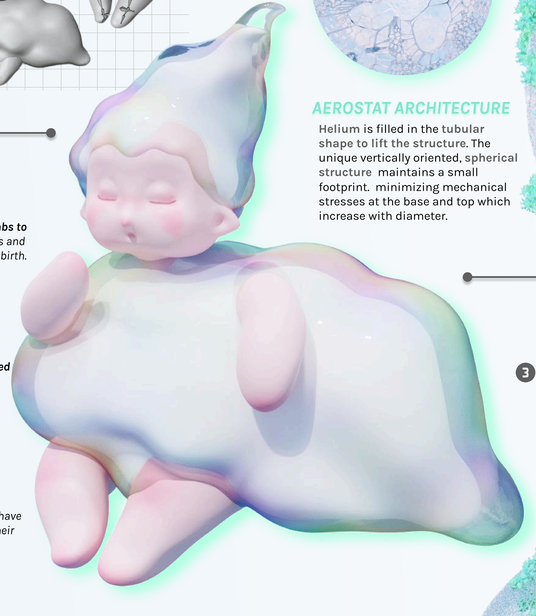
Inspiration

BABY
*I designed avatar's **face and limbs to look like a baby**. The closed eyes and clean skin symbolize people's rebirth.*
Reborn Pure Clean

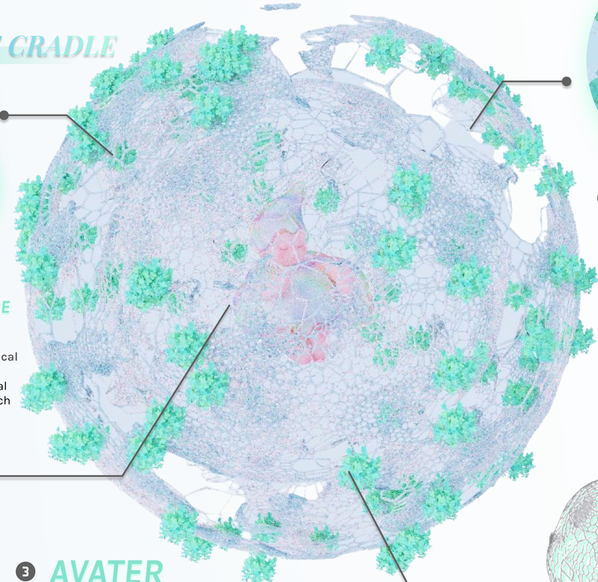


CLOUD
*The avatar's **hair and body turned into clouds**. They live in the sky, coexisting with white clouds*
Symbiosis Nature

BUBBLE
*Bubble symbolizes that avatars have **washed away the glitter** from their faces and returned to nature.*
Get off Glitter



GREEN ALGAE CRADLE



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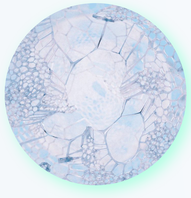
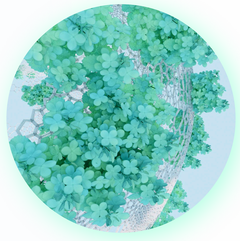
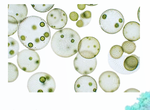


AEROSTAT ARCHITECTURE
Helium is filled in the tubular shape to lift the structure. The unique vertically oriented, spherical structure maintains a small footprint. minimizing mechanical stresses at the base and top which increase with diameter.



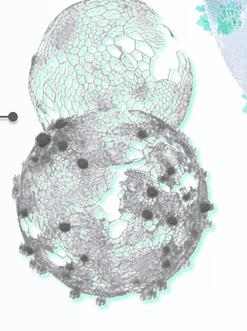
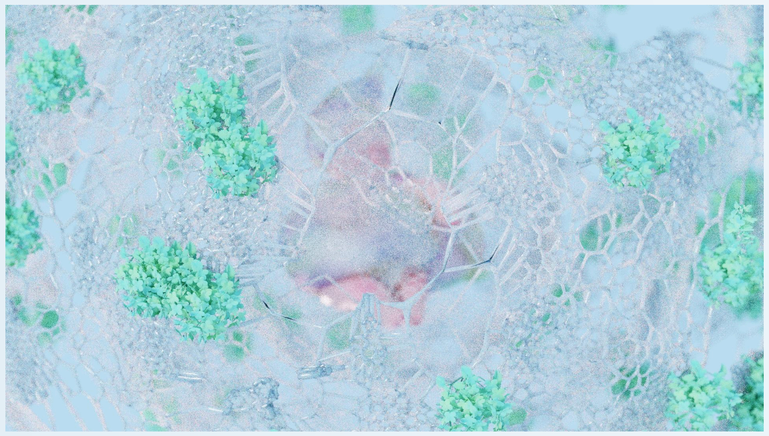
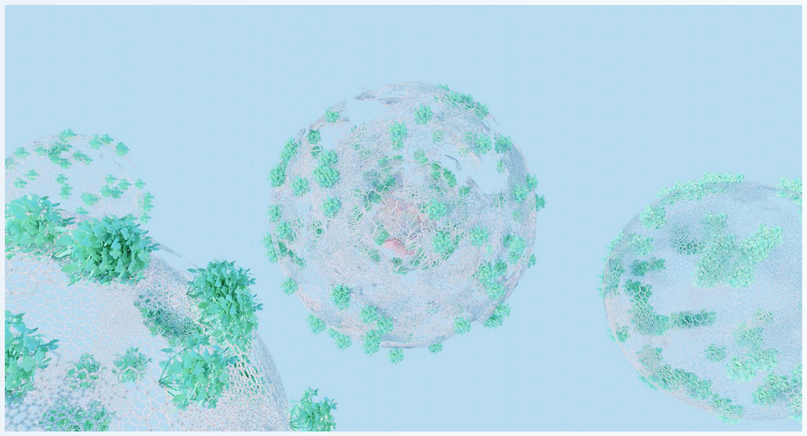
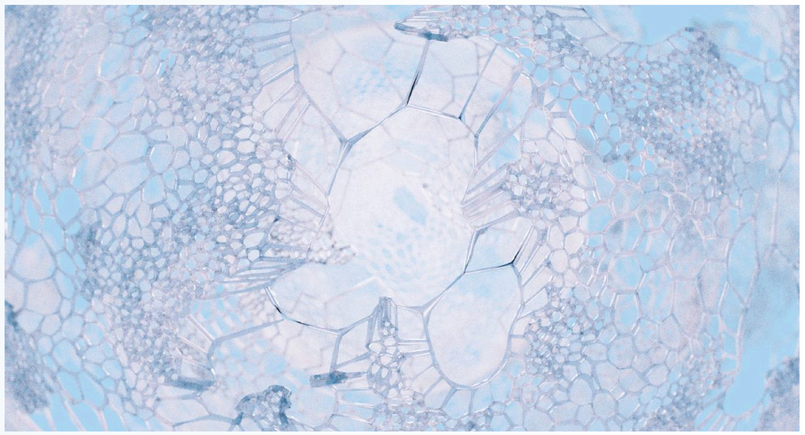
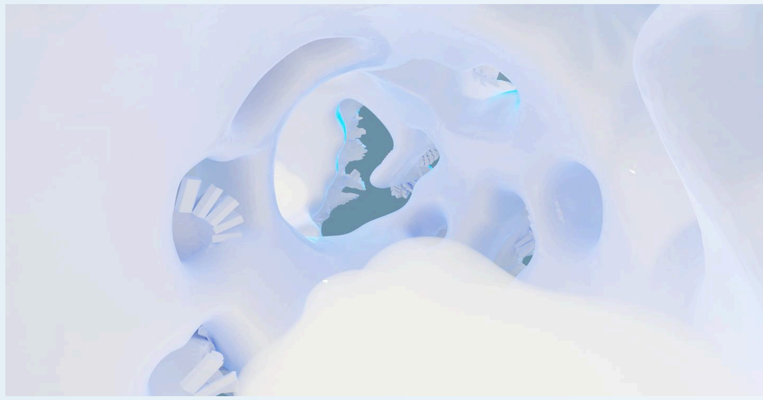
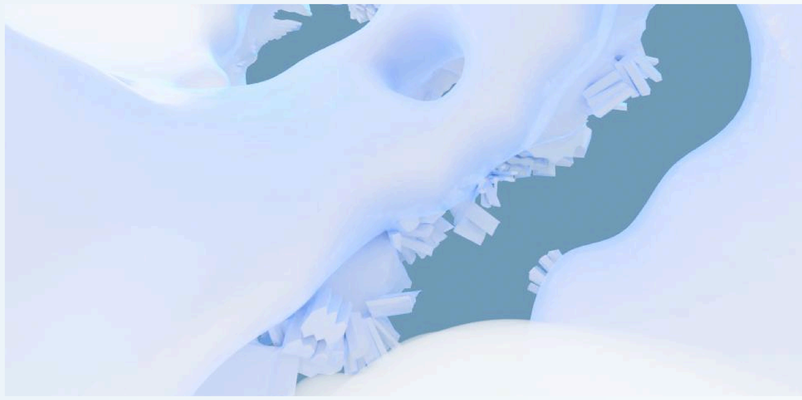
2 **GREEN ALGAE**



The structure covers a vegetation layer mainly composed of green algae, providing temperature and oxygen for the structure.

3 **AVATER**

The avatar's shape is designed as when a person is born. It doesn't have any stuff to **satirize extreme consumerism**. Its body is shaped like a cloud, symbolizing **symbiosis with nature**.

4 **DUAL-SHELL**

A unique dual-shell scheme to isolate the habitable spaces from extreme temperature swings.