

# Cumulus Sanctuary

## OUR UTOPIA

Our utopian vision is one where design demonstrates the utmost consideration of our built and natural environment while projecting human-centered ideas on a global scale. In our exploration we used the archipelagos of Montreal to inspire narratives about the grey area between polar ideas.

Between Speculative and Pragmatic:

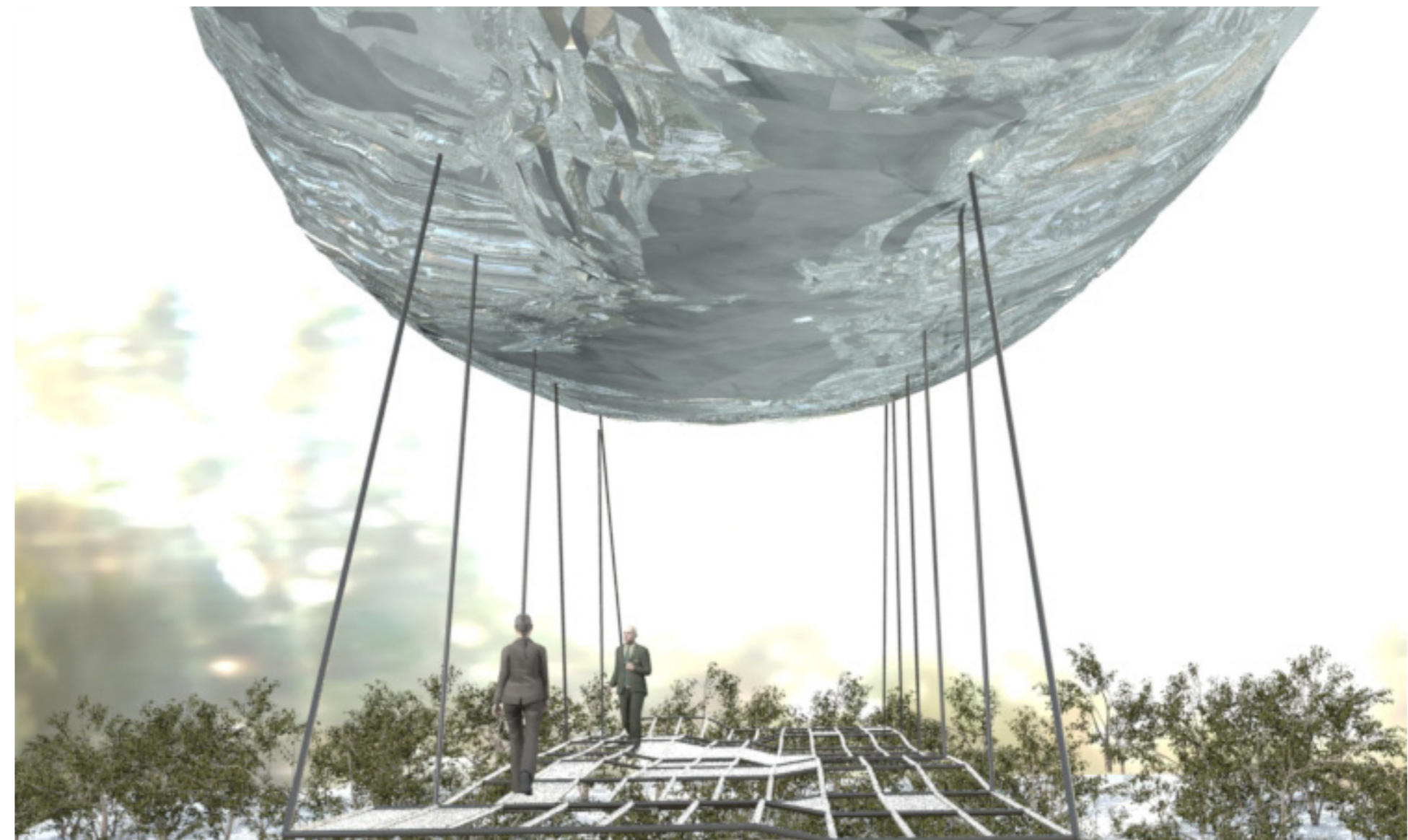
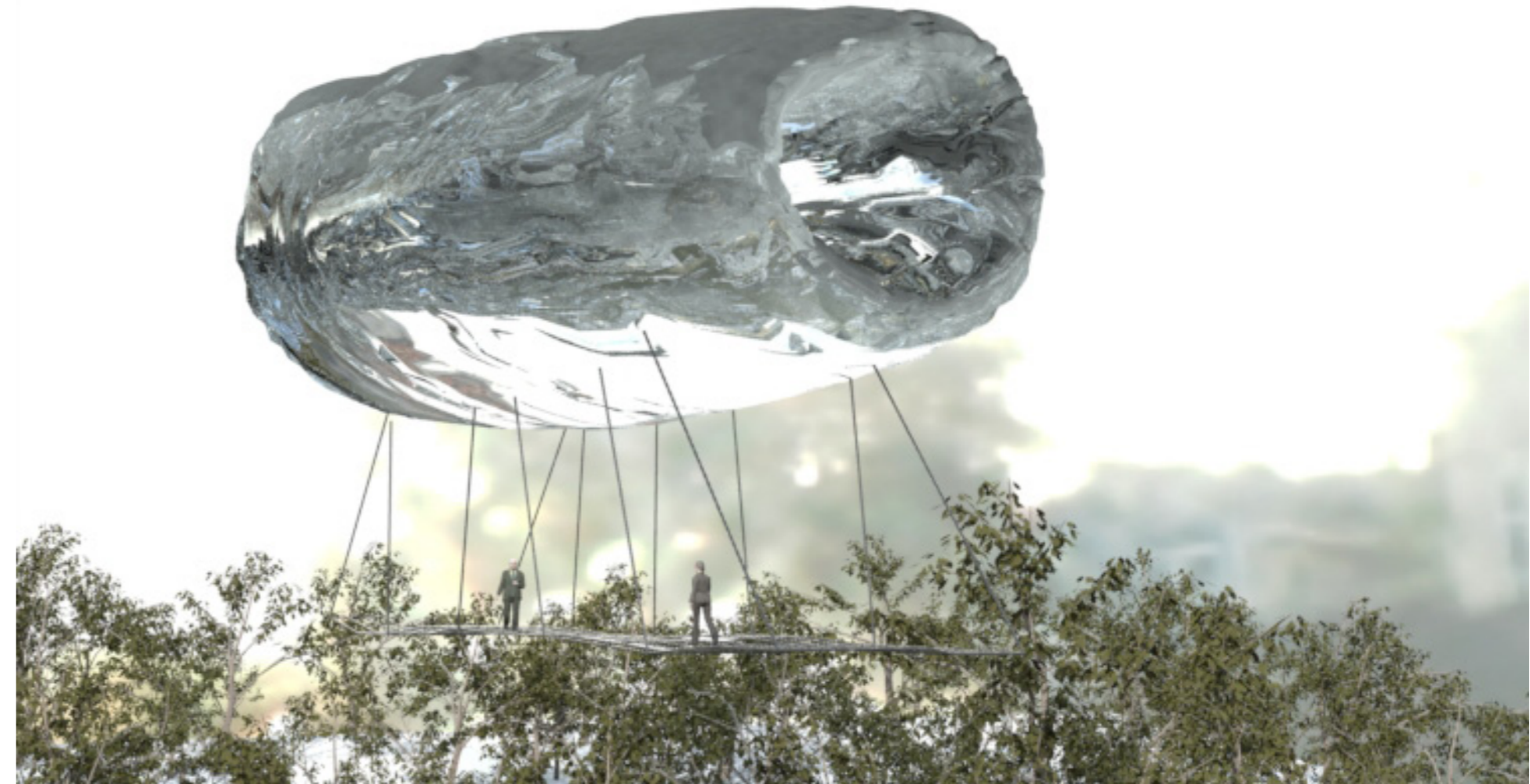
Our narrative begins with an imaginary material, we develop purposeful and clever ways to create surprising environments. In our exploration, the material and the object become design thinking tools to consider seemingly polar fields like aerospace technology and playgrounds.

We imagine that as the city grows, density will increase and the number of peaceful spaces in Montreal will decrease. For this reason, we see Iles St. Helene and Notre-Dame as a sanctuary to escape the sensory overload of our ever-increasing urbanized and technology-infused realities.

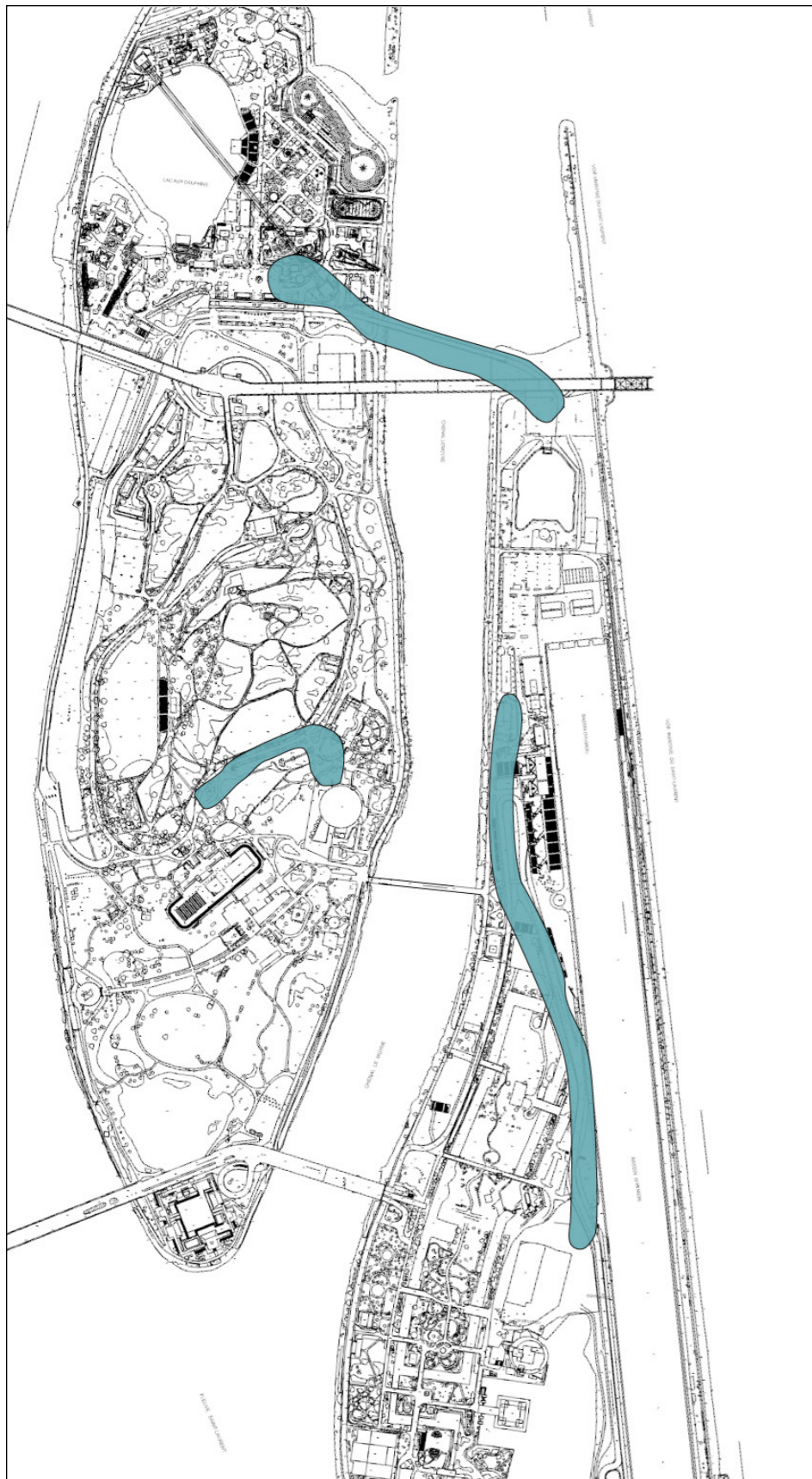
We want Montreal to be a playground for design innovation and we hope the archipelago can be a canvas for experimental, forward thinking public spaces. We ask, how could future materials influence development of semi-private/public spaces?

IE: what might spaces that perform the same function as the musical-swings in Place des Arts look like with bio-engineered materials? How would the aesthetic and function of space change?

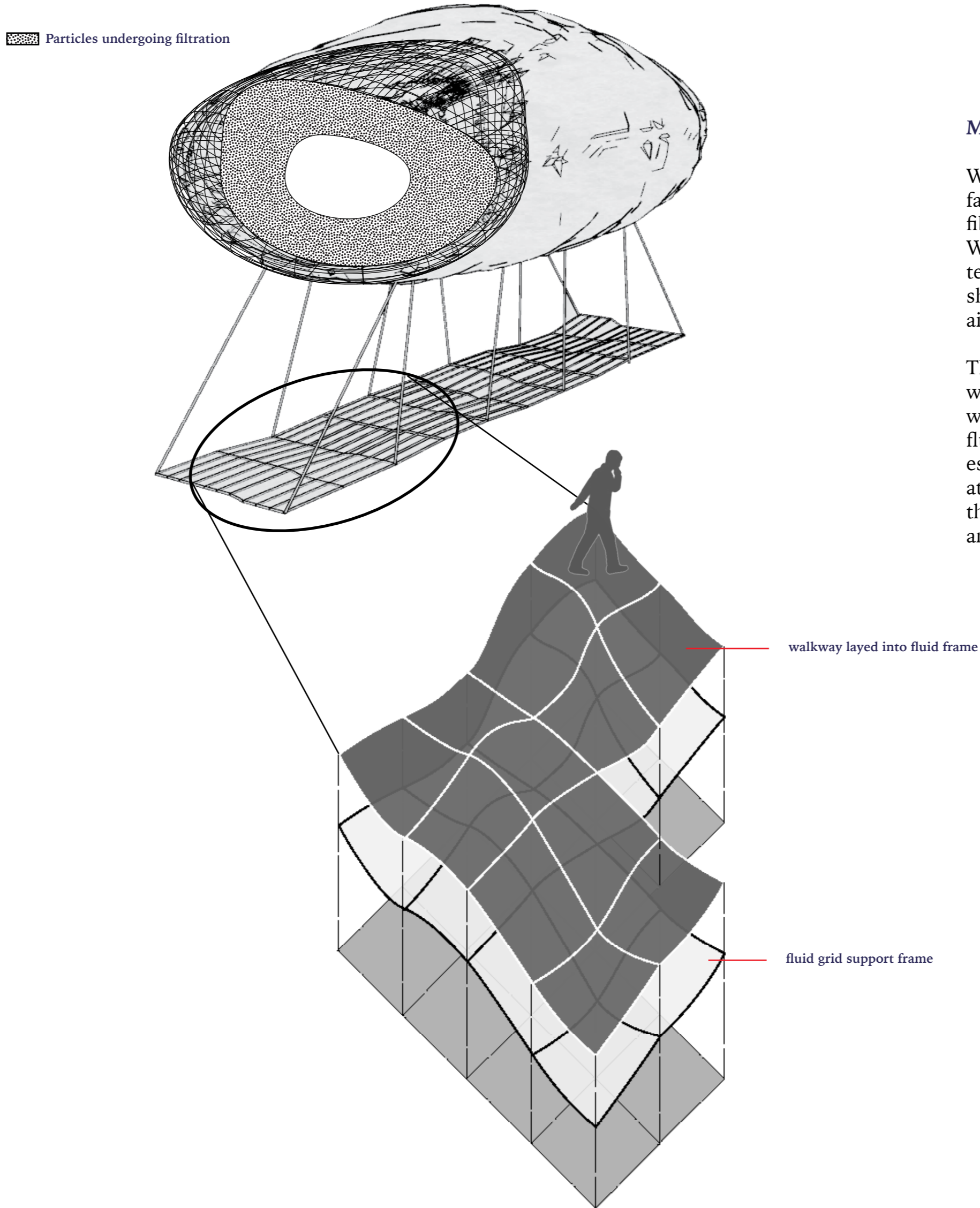
Our proposal is developed through primarily a social vector where we imagine spaces that address the need for sanctuary.



# Material Futures



Possible layout of pathways over the archipelago.



## MATERIAL

We believe that in 50 years new materials will be manufactured upon the premise of combining synthetic (ie: fiberglass), and biological (ie: mycelium) components. We have created a material that is 3D-woven like the textile sails on raceboats, and bio-engineered to change shape to catch windy drafts while filtering debris in the air it comes into contact with.

The Cummulus is affixed to a suspended walkway which connects different parts of the archipelago. The walkway, built from multiple wood tiles is affixed to a fluid net structure, moving with the balloon as it changes shape to stay afloat. The ever changing pathways created by this system offer pedestrians a unique break from the natural landscape and new views of the archipelago and Montreal's urban core.