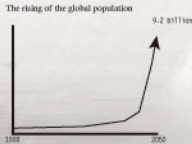


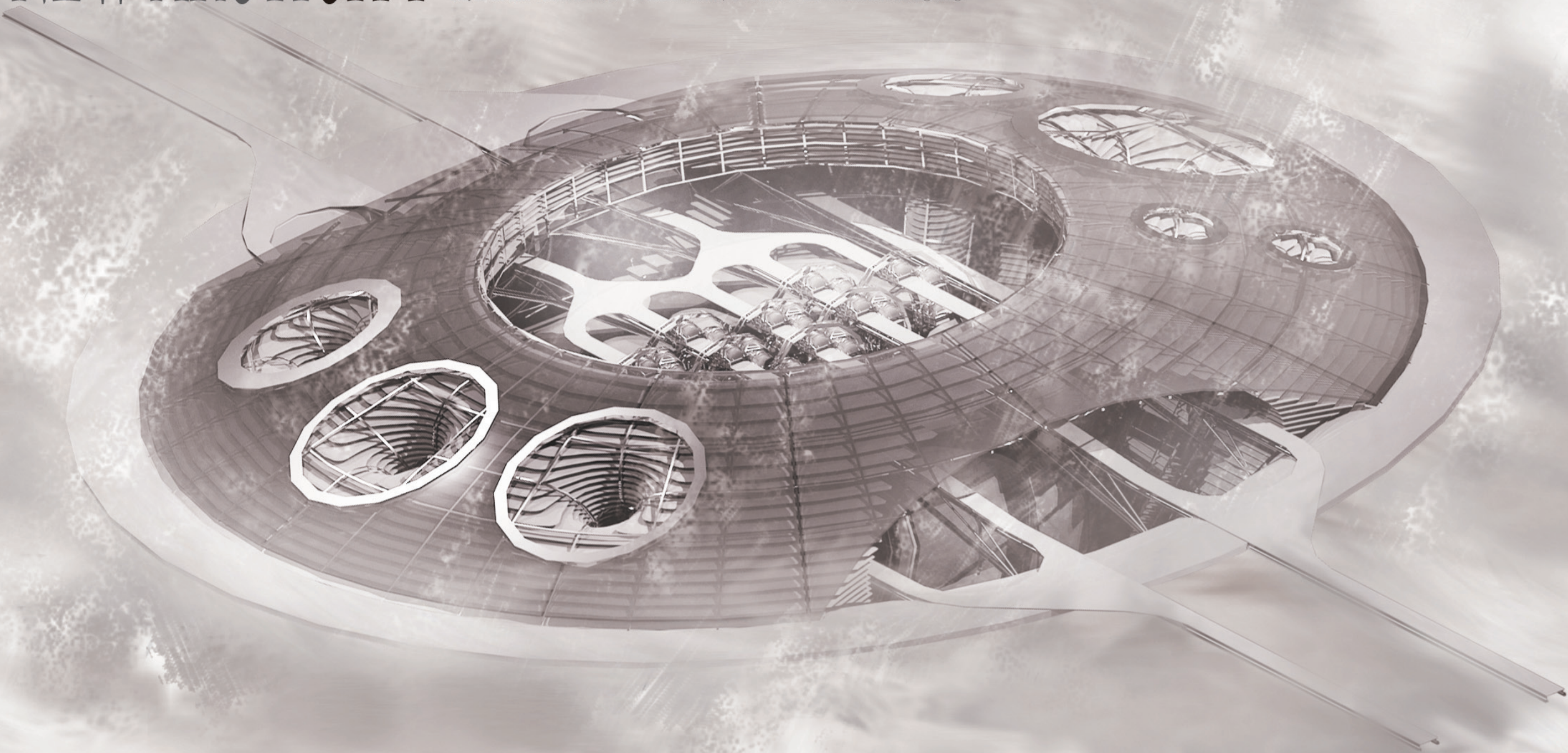
NEW ARCTICITY

ISSUE How is the environment going to change in the FUTURE ?

Nowadays, human beings are living between 60° N and 40° S. Mainly in the North of the equator. The aging of developed countries causes the population stagnant even decrease. But the global population still increases quickly, because there are a lot of countries in developing. In prediction, the world population may reach 9.2 billion in 2050.



Because of excessive development, we caused a lot of terrible problems like globe warming and resources exhausted. Maybe the land we live now won't be suitable to exist, so we have to find somewhere for migrating.



THEN →



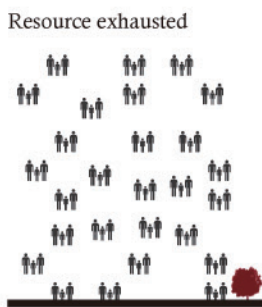
The world population may reach 9.2 billion in 2050.

CAUSED →



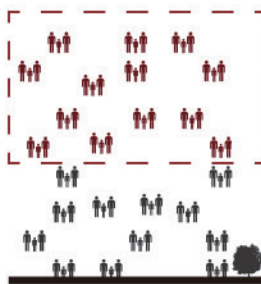
Global Warming

+



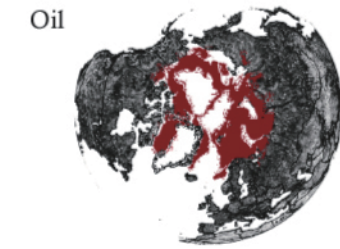
Resource exhausted

MAYBE →



Found somewhere for migrating





Water



Although Water covers 71% of the Earth's surface, 2.7% of the water is freshwater including the ice of Antarctica and Arctic. The water resources is very limited, there is only 0.72% freshwater we can use.

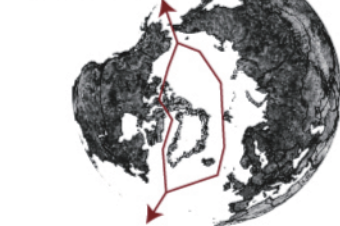
The rising of temperature



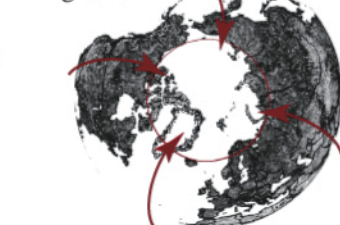
The rising of sea level



The Northwest Passage

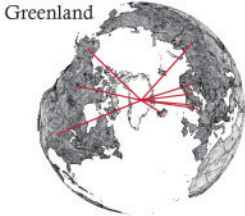


Migration



There will be some people migrate to further north area.

NEW GREENLAND

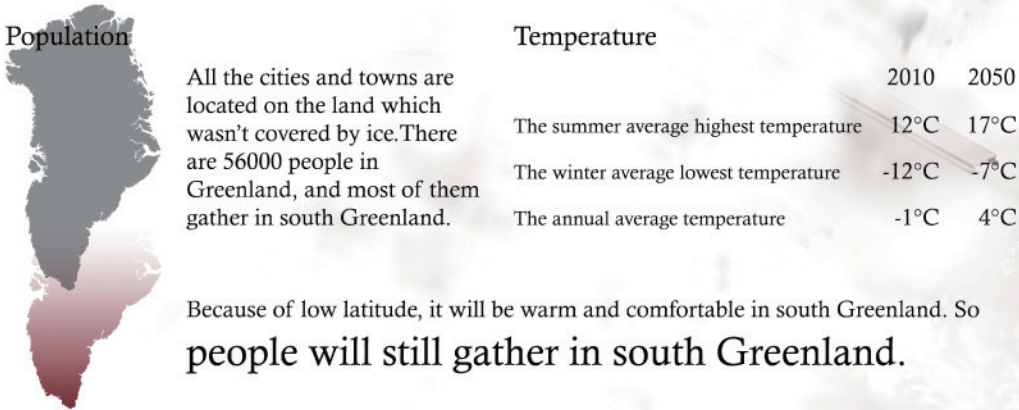
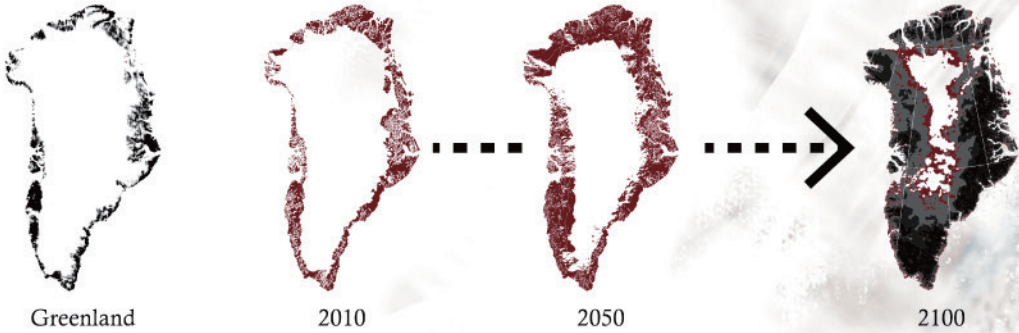


The position of Greenland is really good!

It locates at the middle of America, Canada, Alaska, Russia, and five North European countries. In the past, it was too hard to develop the tourism, trade, and resource development, because of climate. The possible of ice melting in 2050 makes Greenland very potential. It will reveal more land, more resources and comfortable climate, fertile soil, and so on.

How is Greenland going to change in the FUTURE?

There is 80% surface covering by ice, it might melt in the near future and reveal its circularity land.



The sustainable future energy in Greenland

Terrestrial heat

It will be a sustainable energy, because terrestrial heat will provide from the heart of earth forever.



Melting water

Arctic ice will melt in summer. We can collect the melting water and make it to push the generator to get power. And it will be frozen again in winter.



Strong wind

It has strong wind from the east in Arctic. If we change the form of fan, it can used to be power.



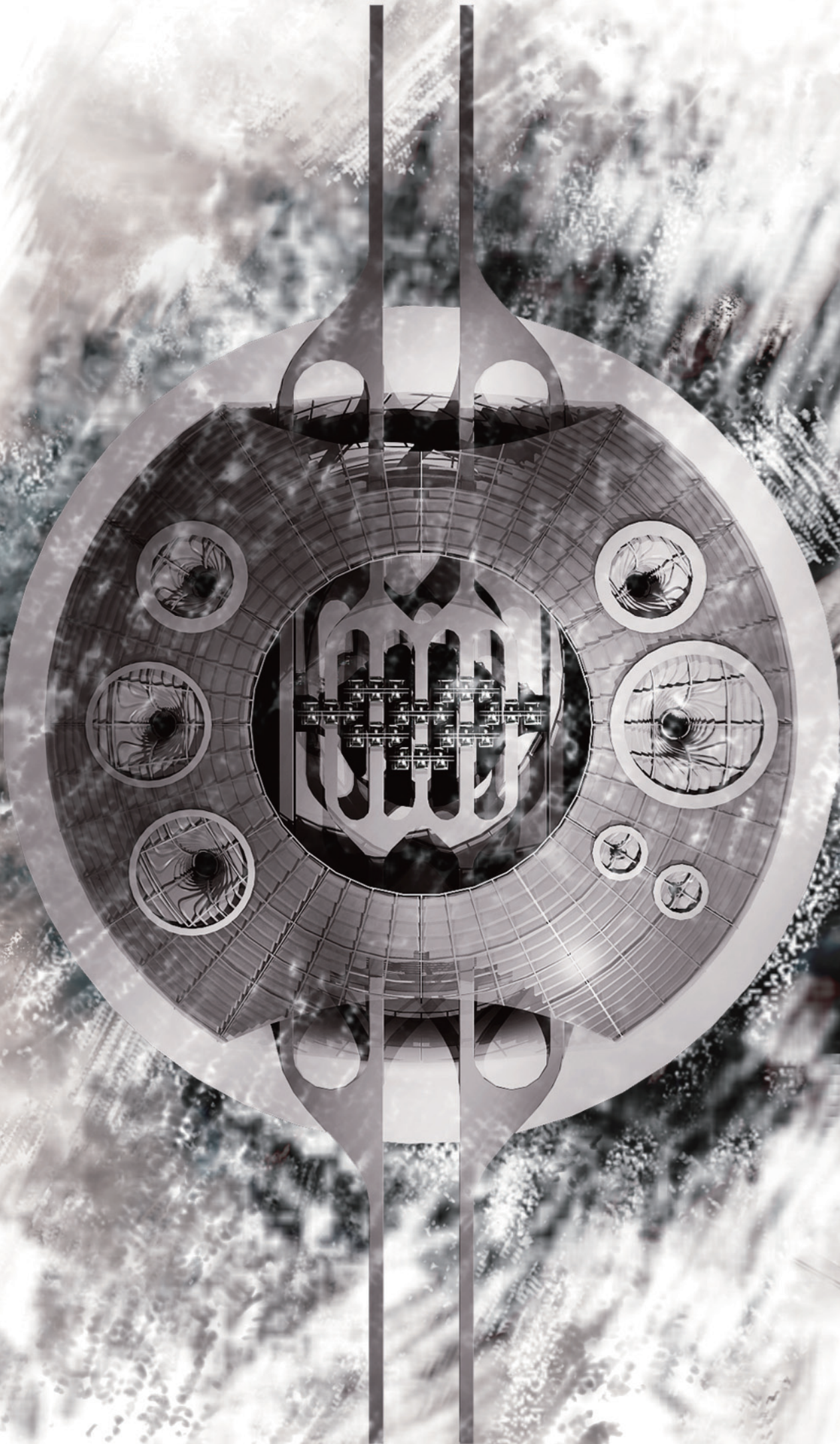
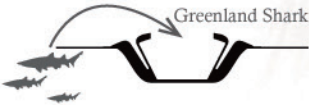
Difference in temperature

Because of the difference between outdoor and inside in temperature, we can transport the cold things like snow inside and make it evaporate in order to generate electricity.



Greenland Shark

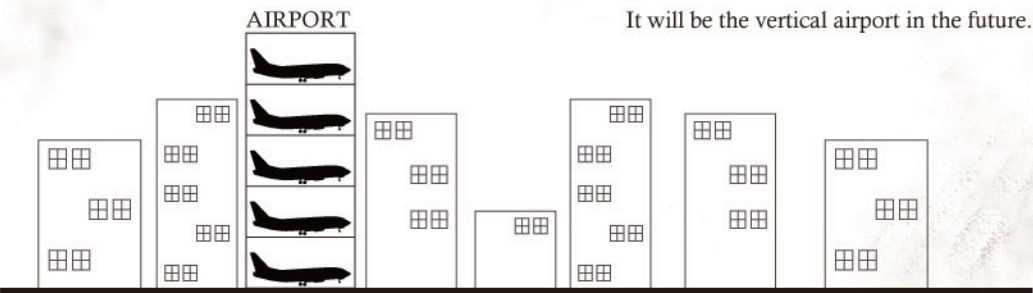
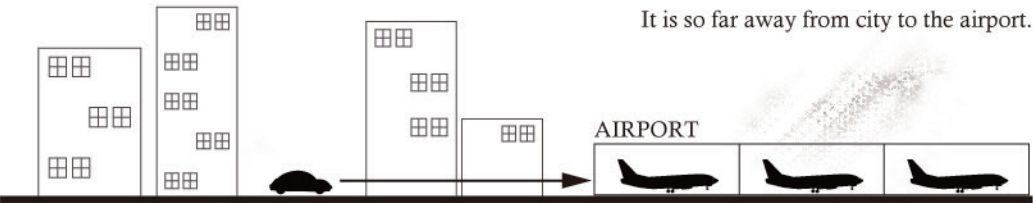
This species live in Arctic. Local people use its teeth as tool and fish oil as fuel. Because its meat is poison, people always throw it away. In this day, it can be made of biological energy mixing algae and waste water.



NEW CITY

What is the future of CITY ?

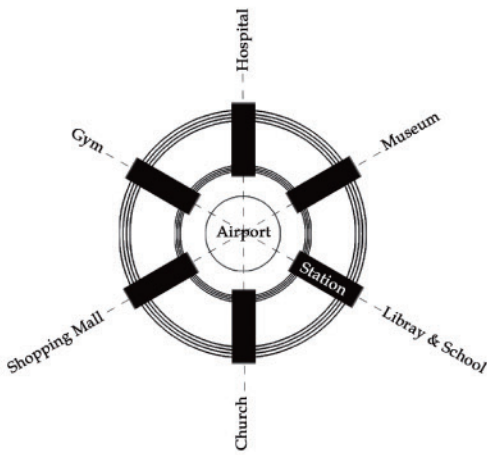
Airport is important for countries contacting, so it should be built in the city for convenient transportation. Because of fast development, there is no space to build international airport in downtown. It caused most of them were built in edge of city. If we can use less space to build vertical airport, it might be built in the city.



So the airport will be the center of the city, and develop commercial district and non-commercial district.



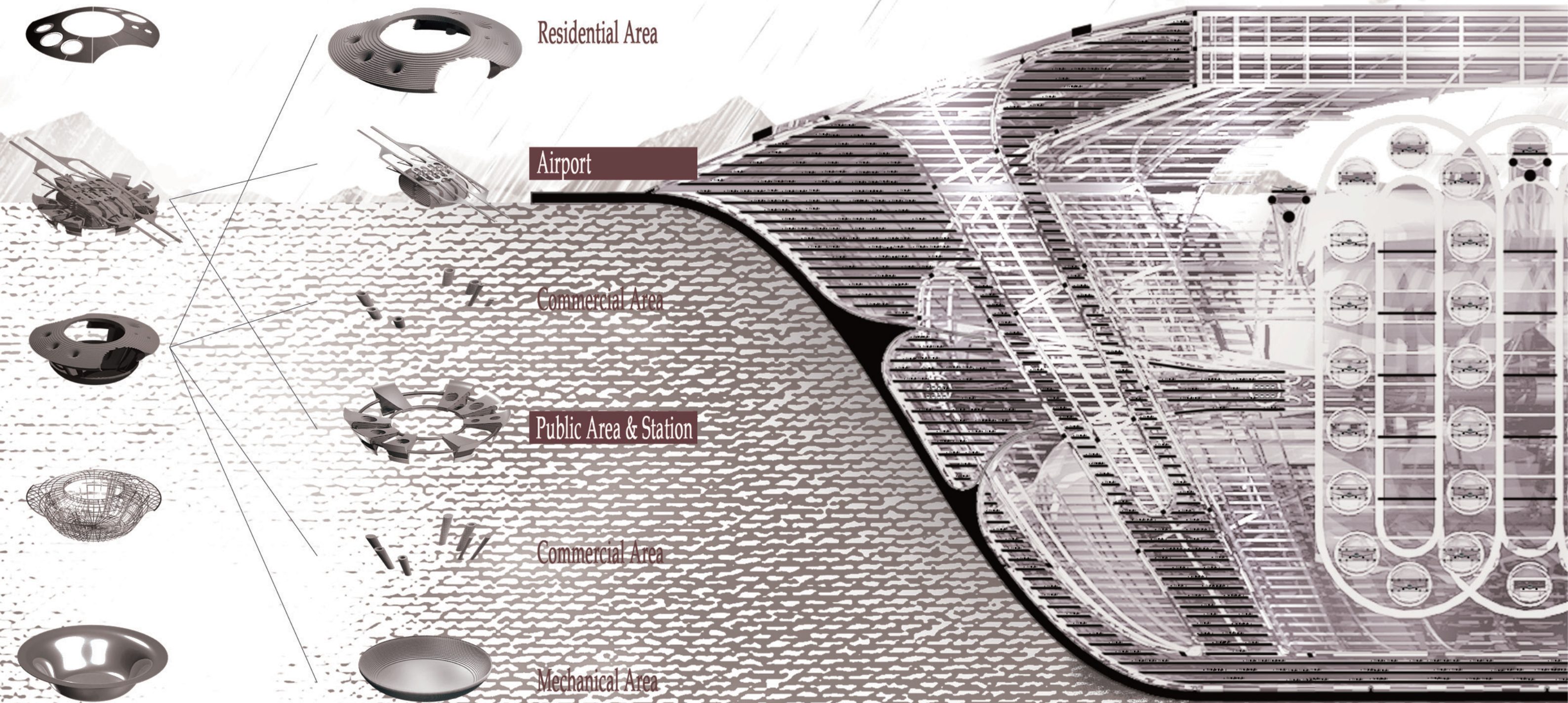
The public transportation will replace private transportation, and connect all kinds of areas. It will be the major mode of transport In the near future.



NEW SECTION

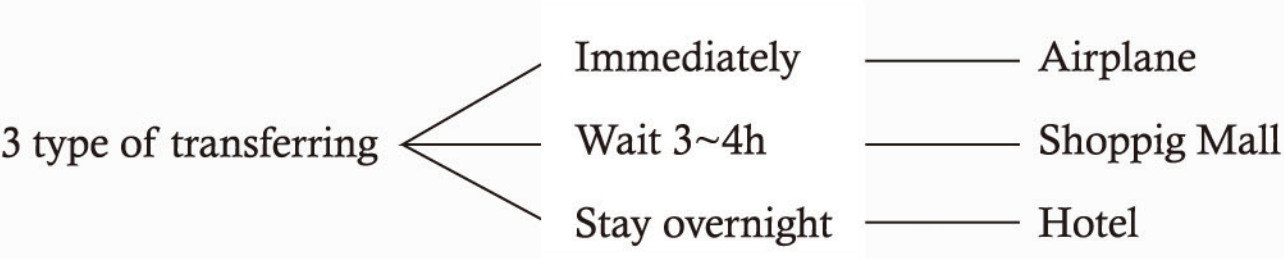
How will a future airport build in Greenland ?

Greenland is the last pure land, so the form of architecture shouldn't force it.
And because of strong wind and cold temperature in winter, I thought
The future form of building is deepened development.

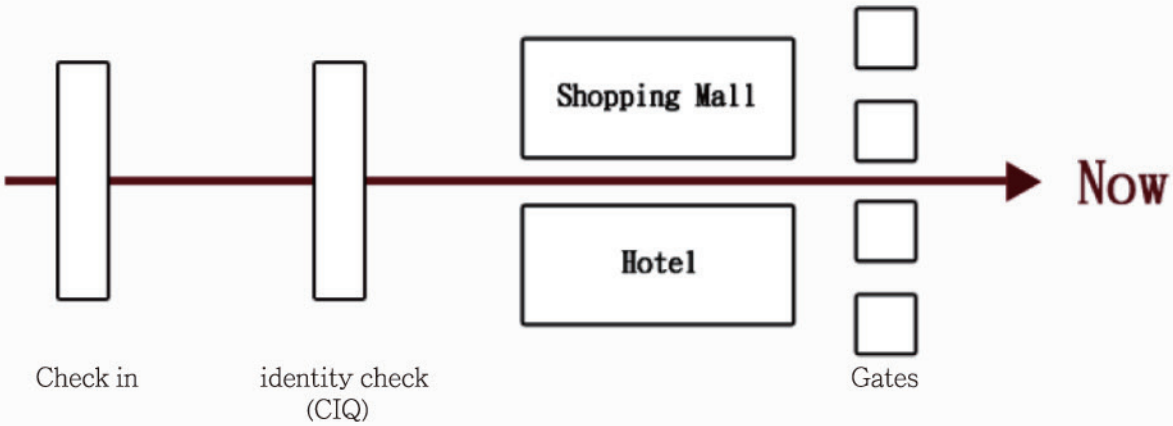


NEW AIRPORT

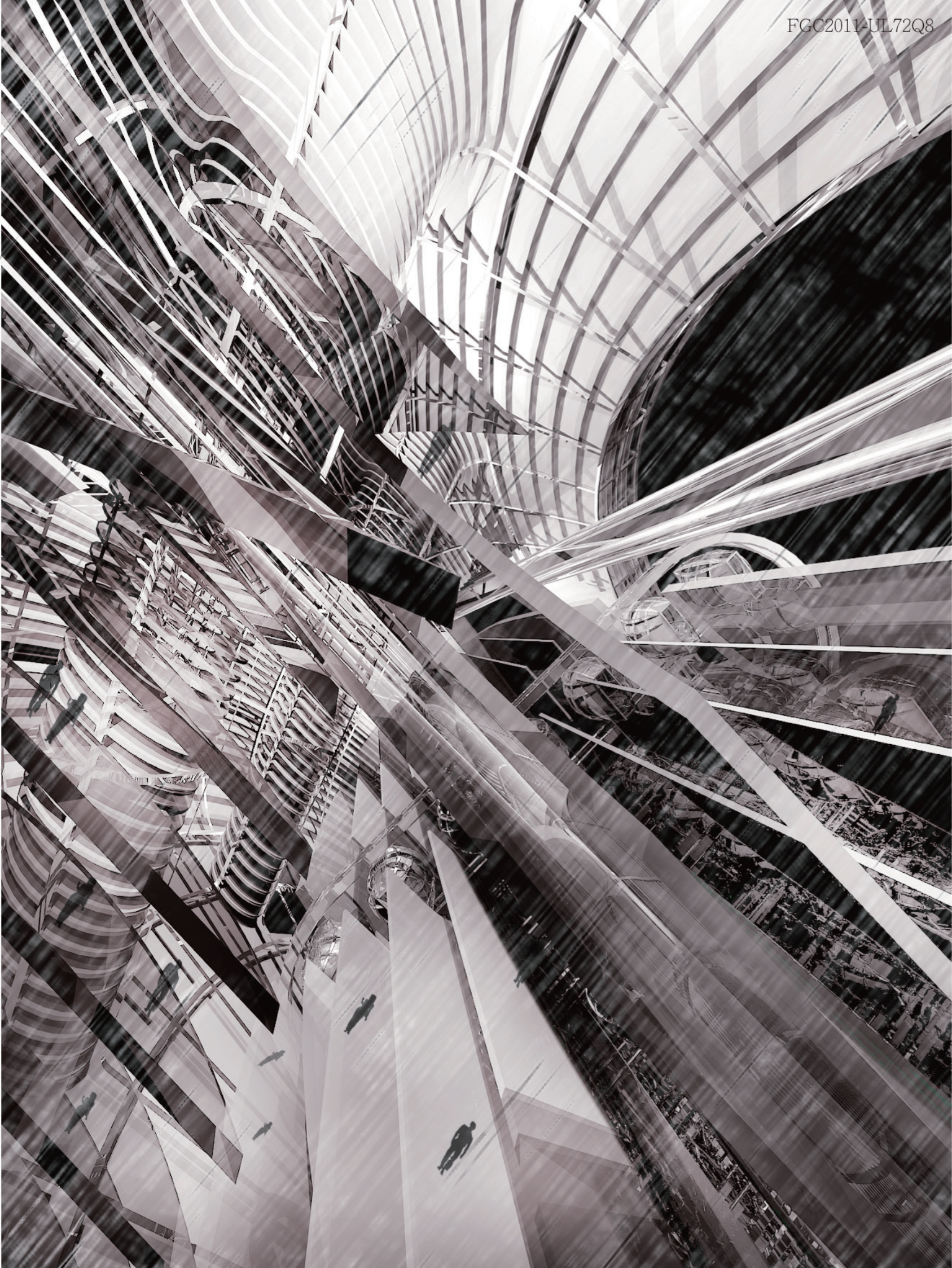
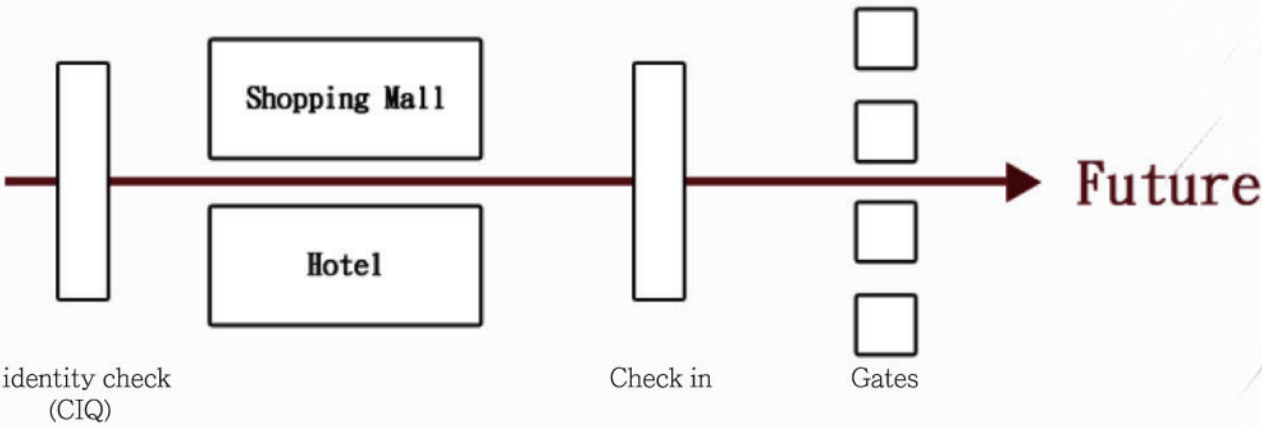
The future international airport will face the same transit issues as now.

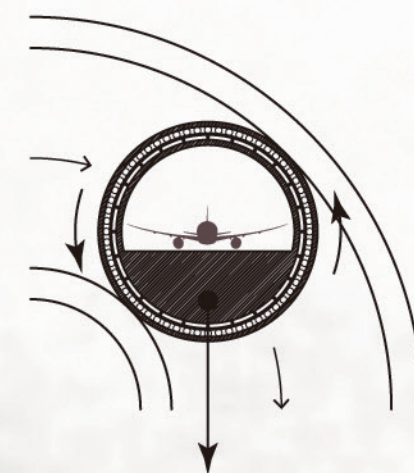
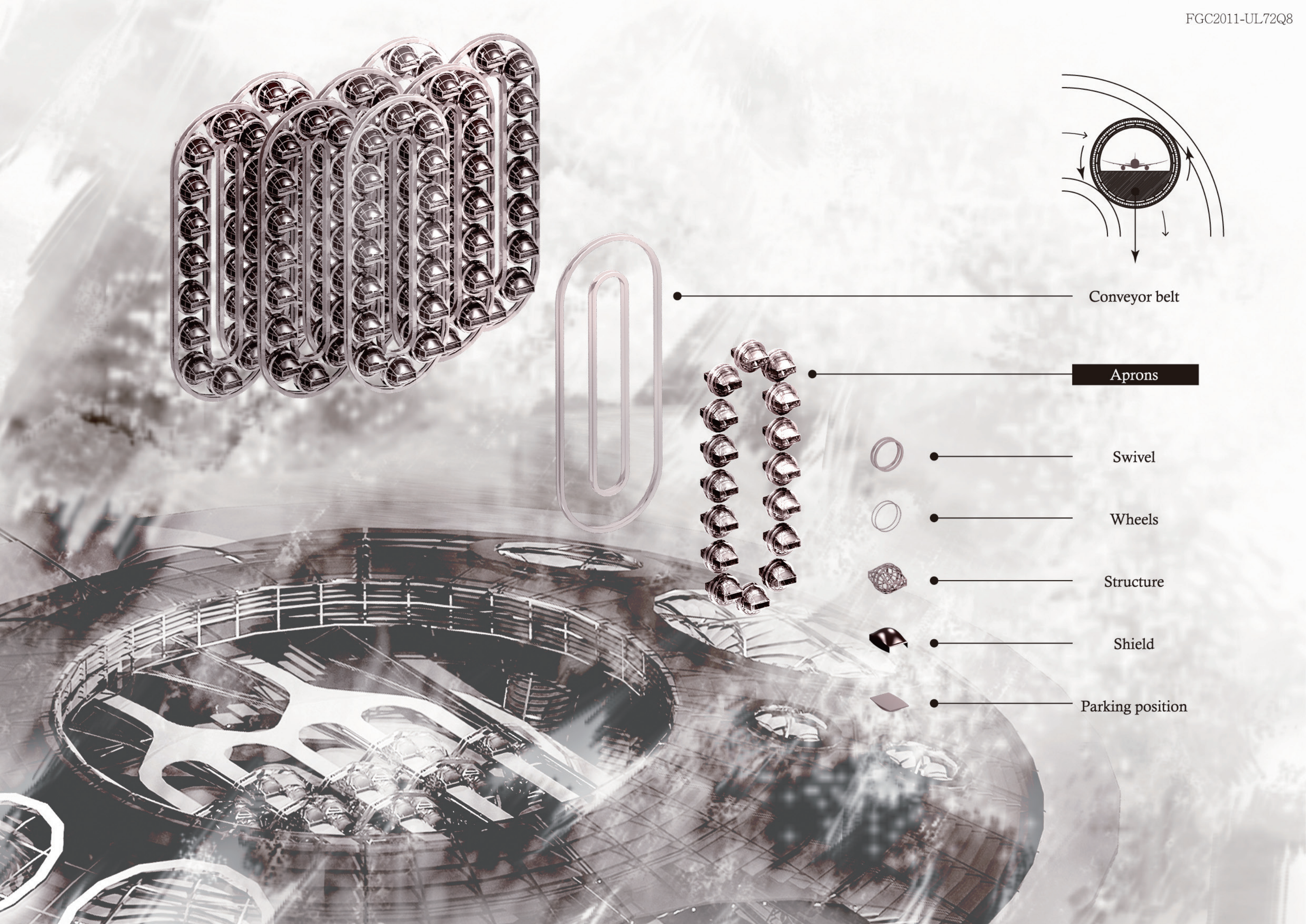


Today’s airport configuration cannot make the commercial space service both people from inside and outside.



If we change the place like this, commercial space may service both people from inside and outside. It would make the airport blend with city.





Conveyor belt

Aprons



Swivel



Wheels



Structure



Shield



Parking position

