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Table of Contents

1 Global Warming Effects on Tainan

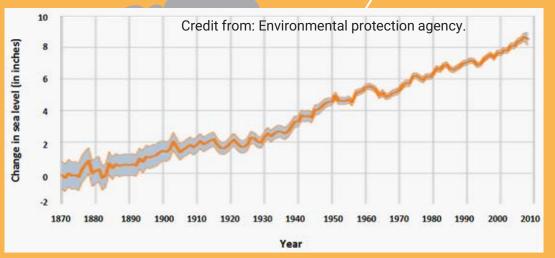
- 2 Habitable area, the Floating Island
- Residential Issues on Intelligent houses on Floating Islands
- 4 Exploring Intelligent Houses Solutions for Improving Air Quality





Global Warming Effects
on Tainan





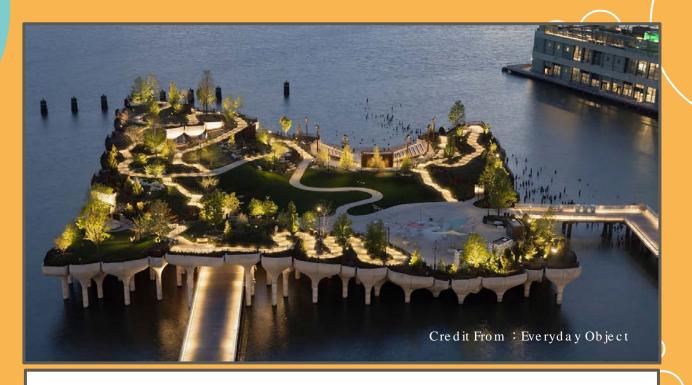


Due to global warming and the subsequent rise in temperatures, many ice sheets are melting. This problem leads to a significant rise in sea level which poses a huge threat to the place we live.

According to Greenpeace organization's estimation, many places in Tainan is going to be under the sea level within 50 years. This issue is even more severe in Anping District. As you can see in the picture.

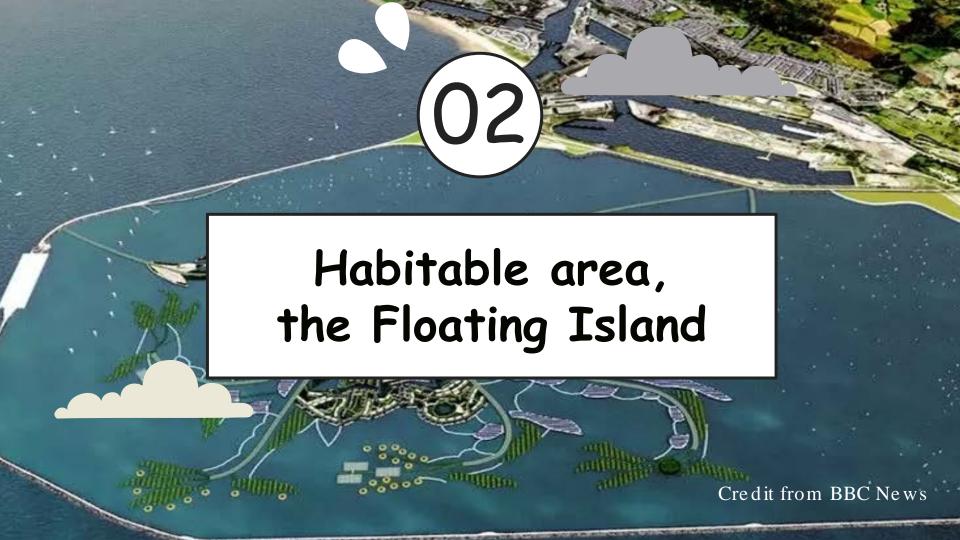


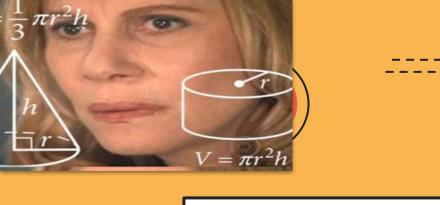
Credit From: Green Peace



As a consequence, finding habitable places become a cri-tical issue for us. We came up with an idea of living on a floating island! But is it feasible?

Let's find out together!







We did some research on whether floating island is achievable or not, and found some interesting result.

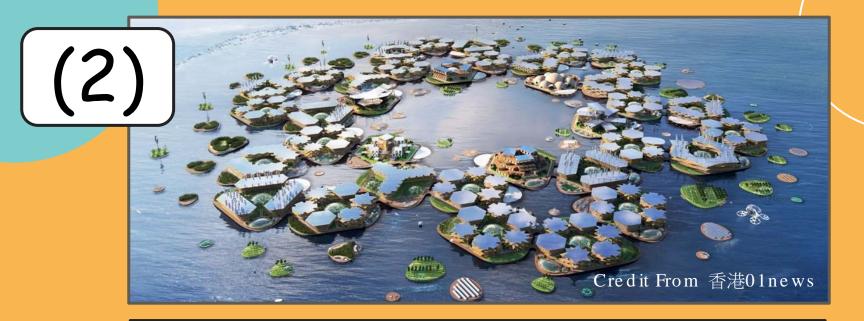




(1)



Having to encounter with uprising coastal altitude, Netherlands came up with building houses on the water.



A French entrepreneur collected 7 hundred thousands of discarded plastic bottles and built a floating island on Abashiri Lake. The island weight approximately 200 tons and was powered by solar energy.

Owing to the research done above, we concluded that it is possible to create floating island. Therefore, we are going to design a intelligent house on the floating island. However there are still many problems need to be considered. In the next section, we are going to talk about the problems that we might face in building a intelligent house on a floating island.



Residential Issues on Intelligent Houses on Floating Islands



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Although living on the floating island is feasible, there are still many problems. Following are the four main issues that we need face.

(1) Power Resource

(2) Air Quality

(3) Issues with Food and Water

(4) Excessive Temperature









(1) Power Resourse

Having to live on the floating island, the first problem we will face is how to generate power resources to support the basic necessities.

(2)

Air Quality

Secondly, how to control the carbon dioxide concentration in the intelligent house is also an crucial problem.



(3)

Issues with Food and Water

Furthermore, living on the floating island, we are facing issues related to food and water, necessitating consideration of food sources, desalination of seawater, and resource conservation, while also focusing on carbon emissions.





Excessive Temperature

Last but not least, the soaring temperatures pose a significant threat to the well-being of the human body. Consequently, addressing this challenge becomes a pivotal concern for establishing a habitable environment.

Among all the issues, our team believes that air quality should be the first to be addressed. Therefore, in the next section, we will focus on solutions for improving air quality.



Our Solution of Improving Air Quality: Intelligent House

