

# A floating city of the future

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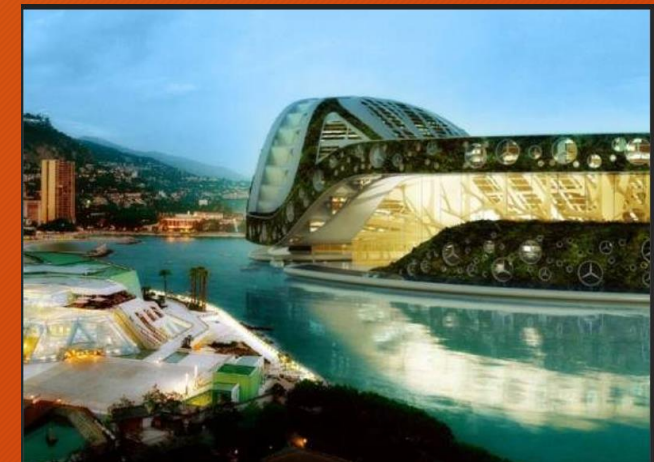
# The Lilypad Floating City Idea

For my project I did an artefact. It is a city of the future that would deal with problems climate change has caused (rising sea levels, clean water etc.)

The lily pad floating city is designed to be a slightly smaller replacement for the cities we have today. It will house a lot of people and be a self-sustaining city. Water will be collected from the ocean (the ocean water will be desalinated to make it drinkable) and from rainfall. Solar panels and sea turbines will be the main power sources of the city. The top of the city is covered by solar panels and various flora. The idea of a floating city was thought of by Belgian architect, Vincent Callebaut. He thinks that he would be able to build this with the help of large companies such as Mercedes and other wealthy organisations. The hope is that the city would be able to self sustain.

For more info

[Lilypad floating city concept \(newatlas.com\)](http://newatlas.com)





# Solar Panels, Sea / Wind Turbines

Solar panels, sea/wind turbines. On much of the surface of the city you will find solar panels used to power the city. Below the city in the water will be turbines being spun by the tide and ocean currents. Together these will power the city.



# Ballasting

These are the ballasts. They are filled with water and located under the city to keep it stable. Despite being just large tanks, without these the city would capsize and thousands would perish.





# Hyperloop

The hyperloop. The hyperloop can be found running around the edge of the city. It is used to travel larger distances as from each stop it is not far to walk to any specific space. The loop uses magnets at various points that can be sealed to stop magnetic pull allowing the pods to keep travelling after passing a magnet. One good thing about using a hyperloop is that it does not take up much power as magnets create the main movement force.



# Marina

The marina. This platform is used by fishermen to dock their boats and set out into the ocean to collect food. All fishermen on board, however, must be qualified and be assisted by a professional to help stop the death of endangered animals from bycatch.





# Housing and Offices

Housing/offices. This is where the houses and offices are for the city. This is where the people who are not on boats spend most of their time. It also would include shops, restaurants etc.



# Water Collection

Water collection. This large dish collects rainwater and distributes it to the ballasts or buildings where it can be treated and provide clean water.





# End of project questions

What do you think are the best aspects of your project and why?

I think the best aspect of my project is the hyperloop. It is a very new invention and the first one is being built in Abu Dhabi at the moment. It is a very clever way of travel that is seen as very futuristic.

What would you do differently in the future if you had a similar project?

If I did a project like this again I might do it as an essay because it would be a new presentation method and I can create graphs and tables to go with it.

\*Note: would you like me to bring the model in to school or not?