<u>Time & Technology</u>

Our utopia is set 60 years in the future where the technology and functionality for the design of a ship that both floats, submerges, and can fly are available.

The ship will be sub-divided into 11 blocks. It will contain the mothership which will be the main ship, and there will be 9 sub-ships which will connect to the mother ship. The way that the mothership will connect to the 9 sub-ships will reflect a kind of an airport terminal where it will be circular in shape, but will have walkways which will allow each sub-ship to connect to the mothership and enter into it. There will be security on these terminals, and people will be employed to allow only specific ships to pass through, but technology at this point will have reached a level where the end of the walkways contain digital molecules which detect the entering ship and therefore will be able to authenticate ships. These digital molecules are shaped after protein molecules and their enzymes where only a specific type of protein fit into a specific type of enzyme, and therefore the ship will contain a type of digitally rendered enzymes on their entering walkways and the mothership will contain a type of digitally rendered protein on their walkways. If these two are able to connect and break-down the digitally rendered protein the ship will be able to authenticate and be allowed to connect, and if not then it will commence security procedures.

The final ship that is the 11th block is the jail ship. This is not physically separated from the mothership but is a ship of its own and can be separated in case of emergency. It is where all the prisoners and criminals are kept, and technology allows for this ship to contain the most advanced tools for surveillance and gathering of information about the day-to-day lives of these people. Technology has allowed for it to be nearly unbreakable to escape the system.

Moreover, technology at this point has reached a high level where computers are highly advanced, and also tablets have become the new norm of communication as well as mobile devices. The ships technologies are run on tablet devices as well as being wireless. The global economy is in a phase where the Internet has replaced the mobile network and now phone calls run on applications such as Skype and Google Voice. All communication to the ship is done through the Internet and computer security on the ship is nearly uncrackable. The ship contains servers which hold the identity of each passenger and contain all the necessary information from their dietary preferences to their blood group and cloth size. This data is used to virtually adjust in a feedback loop the rooms of these specific people as well as help them to choose their jobs and decide on their education. There are now algorithms designed to suggest and council each individual into choosing the right path and to make it their own choice in what job they take.

This information is connectable from any side of the world by any boat, and the servers are strong and secure enough to connect and monitor the boats while they are on the other side of the world. The information is therefore kept in one area of the mothership rather than duplicating and keeping them on all ships, however in case of emergency there are backup copies kept on one of the sub-ships.

Lastly, the global technology has also entered the phase of wireless charging and so the power is based in the center of each ship and everything gets charged and powered without the need to get outlets. There is a stream of electricity that goes around and charges mobile devices, tablets, fridges, appliances automatically and is very safe to use and deploy. Each ship has to be recharged by the mothership at least once a year as they are not big enough to contain their own power generators, and this recharging starts occurring at point of connection in the walkways. In addition, the technology available is

close to 90% efficient and also takes into account the green building construction techniques which make it a very sustainable developing system in the global industry.

## Mothership

The mothership is the biggest hub out of all the ships for jobs and the technology. The mothership contains most of the shops, departmental stores and education places. It contains the agricultural fields, banks, power generators, restaurants, shopping malls, control rooms, dining halls, universities, sports centers, and hospitals. These are mostly the places where people are employed at, and where most higher level graduates work and do their research. The mothership is centrally based in one of the two locations in either of the poles depending on the weather conditions alongside the jail ship.

## Sub-ships

The sub-ships contain the necessary equipment to survive 11 months without the mothership, such as agriculture fields, departmental stores, 7/11 shops, backup power generators, military shielding, school based education, research labs, dining halls, and computer labs as well as housing. In the sub-ships each individual gets their own rooms except couples whom get a double sized single room, and if the couples have children the children's rooms are attached to theirs. There are also hospitals for 12 months of survival, and enough medicine for each individual to survive in case of an emergency. Medicine has improved drastically in this stage so there is a cure for most of the diseases, and diseases such as Polio have been eradicated.