

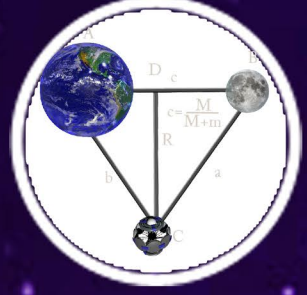
AURORA

EARTH ORBITING SETTLEMENT

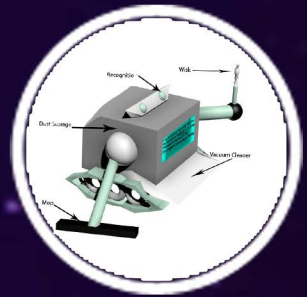
A TEAM COMPOSED

OF:

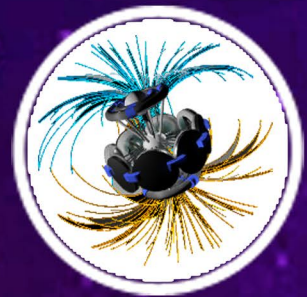
Cionca Bogdan
Alexandru
Dragomir Cristian
Alexandru
Gheorghe Anca Elena
Turcu Raluca
Uzum Silvia Maria



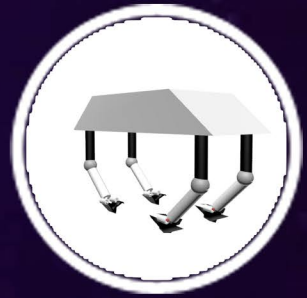
Aurora is safely placed in Earth's orbit, in the 4th Lagrangian point due to its stability and convenient position



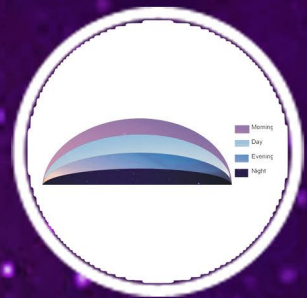
Artificial intelligence available on the settlement will make daily tasks easier for the settlers, in order to provide them with a more pleasant life.



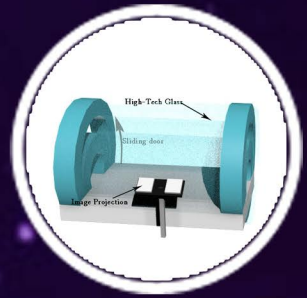
The habitat will have means of protection, including a artificially generated magnetic field.



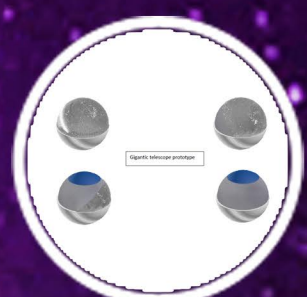
Agriculture and livestock growth will be automated processes, done by highly sophisticated robots.



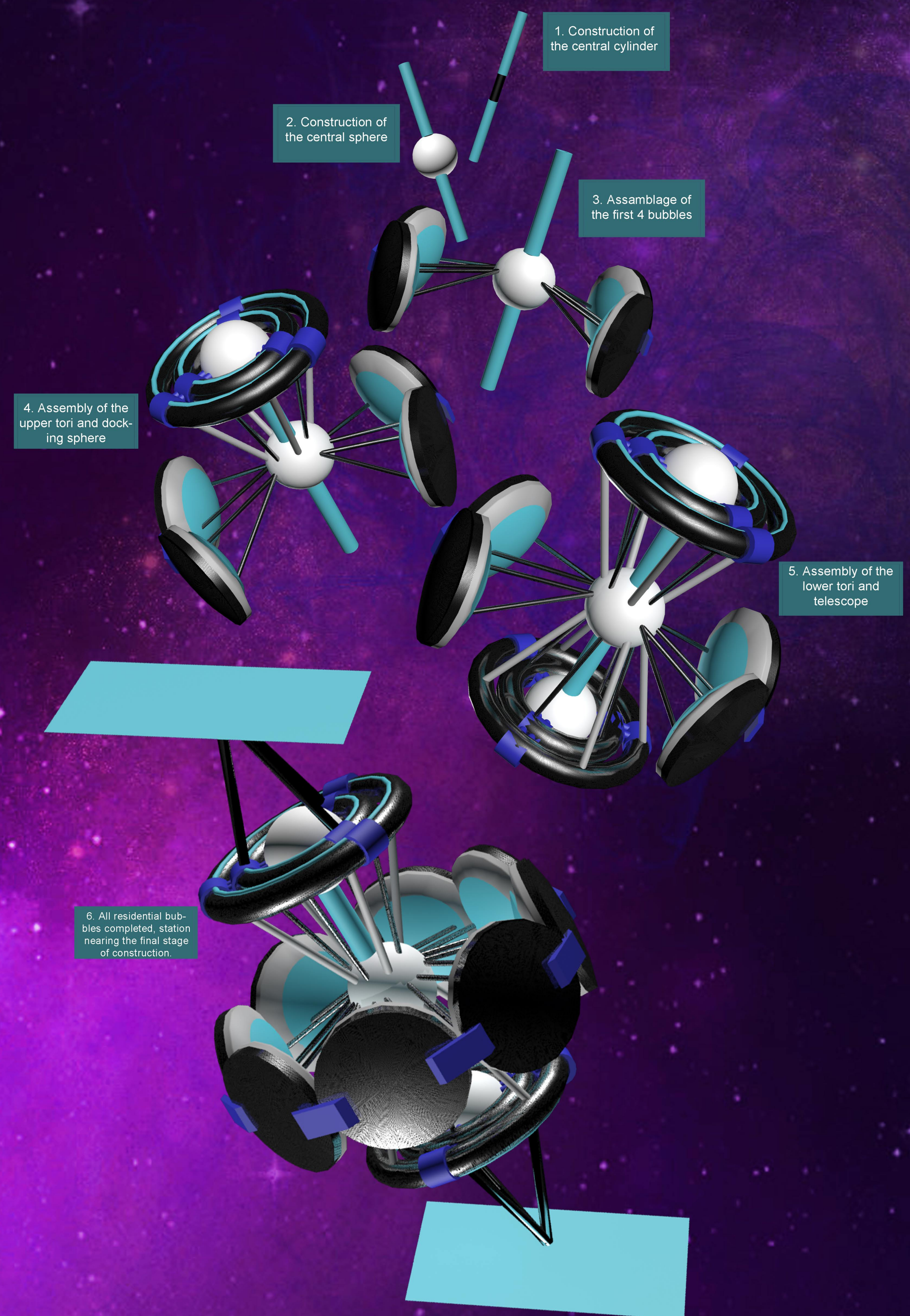
It beholds its own personalised climate and the atmosphere is refreshed by high tech purification methods.



For a healthy lifestyle, the prevention methods on Aurora will be advanced and medicine will reach a new level.

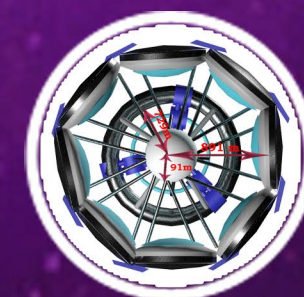


The research possibilities offered by the settlement are at a high level as beside the laboratories we will also have a particle accelerator and gigantic telescope.



Aurora is composed of a central cylinder, spokes, 4 tori, 3 spheres and 8 different bubbles.

The bubbles provide 8 different living spaces: City, Countryside, Riverside City, Suburb, Seaside Resort, Hillside City, Lakeside Village, Downtown.



The shape chosen for the residential bubbles will allow us to have a bigger habitable area. Their curved exterior will provide uniform gravity.

The energy will be provided by a fusion reactor, by solar energy satellites and photovoltaic cells placed on the exterior of the station.

