Project Asteria

2016

National Space Society

NASA Space Settlement Contest

Authors and afilliation

Large Group – 20 persons

Coordonating Teacher:Tifrea Monica

Nr.	Name and surname	Grade	Age
1.	Sandu Radu-Andrei	10	17
2.	Patrascu Maria-Elena	10	16
3.	Sarbu Miruna-Carmen	10	16
4.	Lefca Raluca-Paula	10	16
5.	Babascu Lorena	10	15
6.	Burnete Elena-Monica	10	16
7.	Ungureanu-Caplegat Bianca	10	16
8.	Ungureanu Ana-Alexandra	10	16
9.	Deleanu Florin-Valentin	10	17
10.	Radu Raluca-Maria	10	16
11.	Popa David	10	16
12.	Petrea Andrei	10	16
13.	Gama Sabin	10	16
14.	Coca Sabin-Stefan	10	16
15.	Dragomir Maria	10	16
16.	Popescu Ioana-Bianca	10	16
17.	Micu Daria	10	16
18.	Palasca Bianca-Elena	10	16
19.	Tifrea Ana	11	17
20.	Miftode Denisa-Alina	10	16

Introduction

"The most beautiful experience we can have is the mysterious. It is the fundamental emotion which stands at the cradle of true art and true science."(Albert Einstein)

Why Asteria?:

Asteria was the goddess of nocturnal oracles, prophetic dreams and shooting stars. Asteria was named the Greek goddess that was born during the Golden Age of Greek mythology, being the daughter of the Titans Coeus and Phoebe.

- We chose this name thinking about the connection between the future and past. Without the hard work of our ancestors we wouldn't have been here.Asteria will help us to live our dream -being able to fly through the starry night-.

The Space Settlement Goals:

- Asteria was built due to the lack of natural resources and the starvation spreading throughout the Earth. And because of this, the world start falling apart in diseases and illness causing despair and hopelessness. But the Asteria brought a new era full of mystery and curiosity.

At first, people find hard to believe anymore, but with time they saw the progress and the hard work put in the project. We took people from various careers and with different trades. These people will take responsibility in evolving and expanding the human beings in the Solar System.

- Before building Asteria, we made research in all the departements, beginning with astronomy(the location, the orbit where the Asteria is going to settle for a long period of time). The engineering was highly supervised for the safety reasons.

Earth's flora and fauna have evolved over billions of years, and its oceans, seas, mountain ranges, deserts and even large rivers have created physical barriers to the movement of species, thus contributing significantly to the planet's wide biodiversity and the development of animal and plant communities which we regard as typical of particular regions or localities, meaning that we must preserve all this treasure.

The expression or application of human creative skill and imagination is important also, giving people the necessary fun and enjoyment.

- With space and human survival comes risk to the human species. Human extinction can be prevented by improving the physical barrier or increasing the mean distance between people and the potential extinction event.

For example, pandemics are controlled by placing exposed people in quarantine and evacuating healthy people away. The human lineage of genus Homo has reduced from several species co-existing on Earth to just one —all others became extinct before the end of the last Ice age. This illustrates that Homo sapiens is not immune to planetary disaster and that human survival may be better assured through the colonization of space.

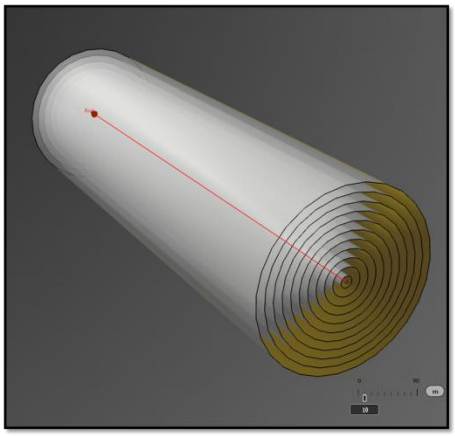

Fig 1: 3D shape

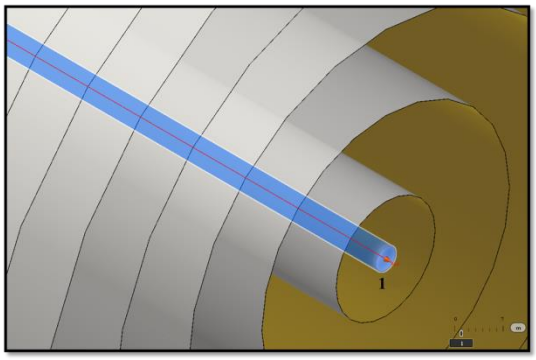

Fig 2:Fuel tank

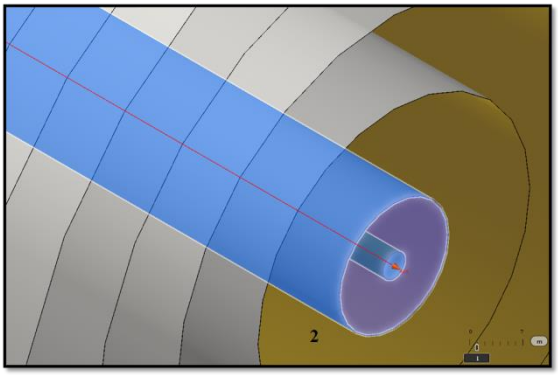

Fig 3:Water tank

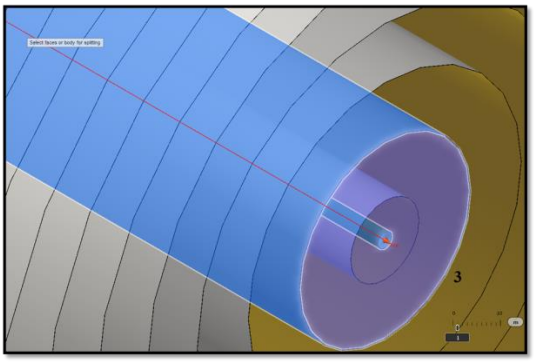

Fig 4:Scientific research

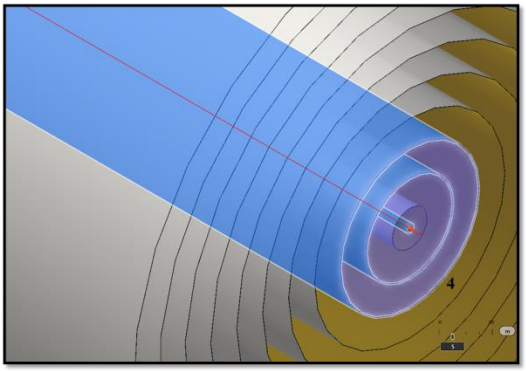

Fig 5:Treatment.Hospitals

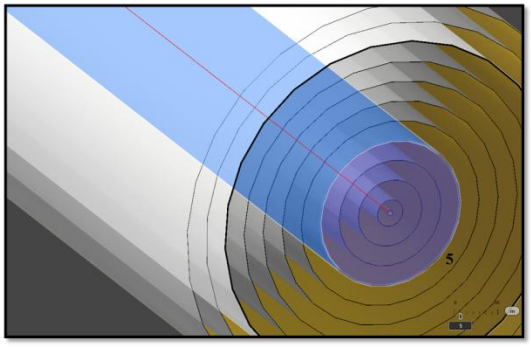

Fig 6:The light industry

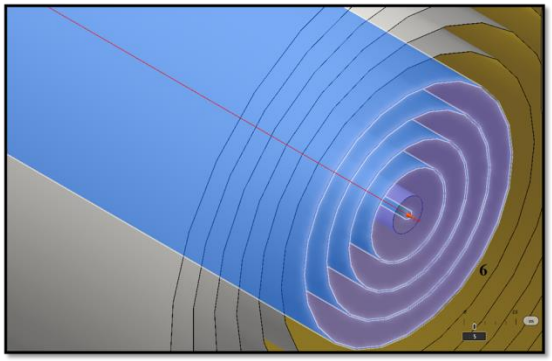

Fig 7:The heavy industry

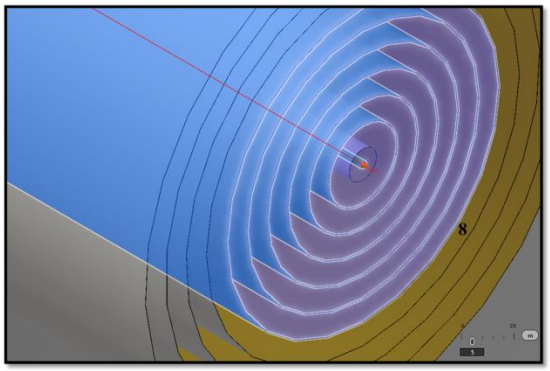

Fig 8:Entertainement

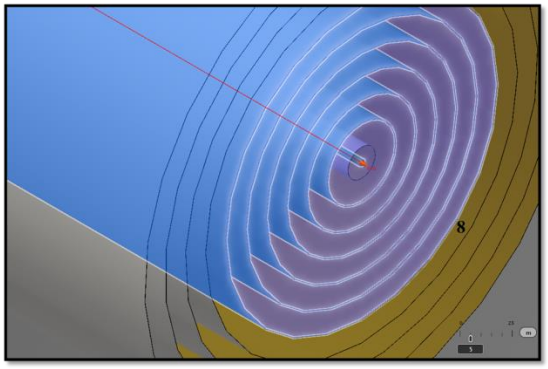

Fig 9:The sports

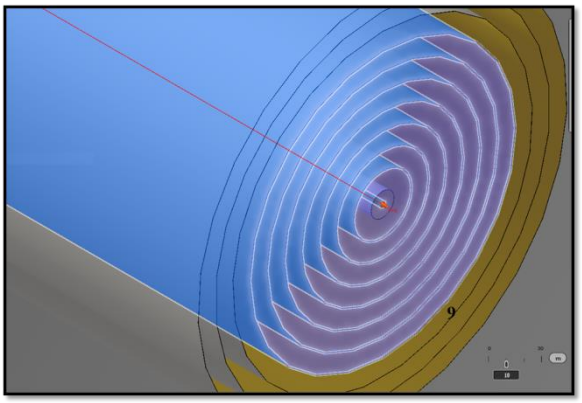

Fig 10:Education.The schooling

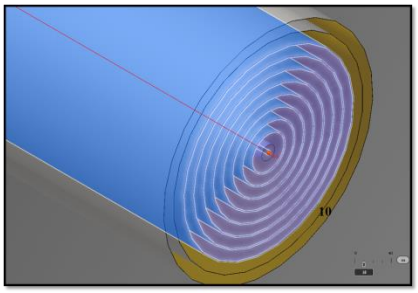

Fig 11: The residential zone

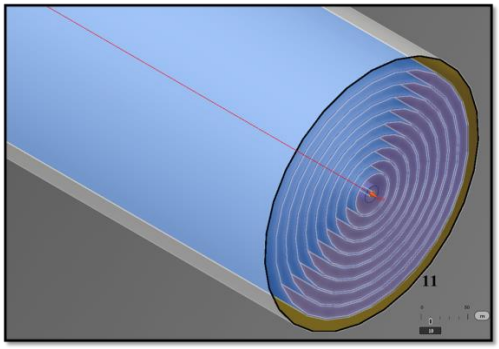

Fig 12:Storage

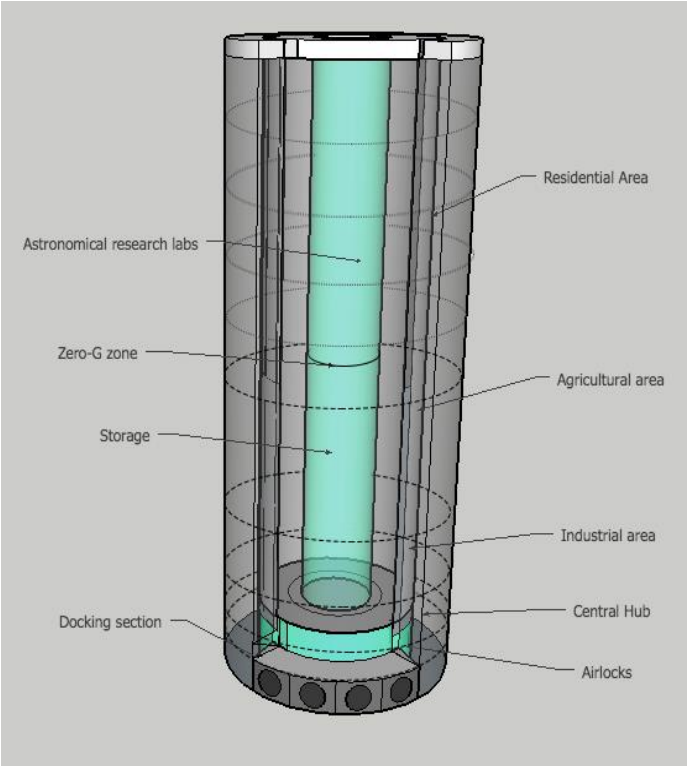

Fig 15:Structure