



# EIS Bratislava .org

## Business on Mars



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# Ad Astra

We are an engineering company providing people with inflatables which are given to space travel companies such as Nasa or SpaceX. So when you arrive there you can easily inflate them and have your house.





# Go Multiplanetary

The inflatables are made of Multi-Layer Insulation with a outer layer of Polyvinyl Carbonate for extra durability. The Multi-Layer Insulation are made up of layers of Mylar and Kapton which are really light weighted. These materials keep the heat inside and don't let the heat from outside inside. The inflatables will also protect the humans inside from solar radiation.



# Difficulties and Solutions

- **Storms and radiation** will be handled mostly by 3rd party 3D printed caves.
- **Securing the building** to the ground will be done by 8 securing points.
- **Pressure** will be controlled by tanks and a compressor. The tanks will store oxygen and nitrogen.
- **Temperature** will be controlled by heat exchangers and carried using water heatpipes.
- **Water** will be provided to the inflatable using tanks.



# Brain Crackers - Just a quick summary, to check if you payed attention.

- How will we pressurize the cabin?
  - By tanks and a compressor.
- How will we ensure to not be struck by storms?
  - By 3rd party objects (for example caves).
- Which companies are we offering our inflatables to?
  - NASA and SpaceX



# The End

We are now happy to answer all your questions.