

CONDOR HAS LANDED

Hi, my name is Waira which means "wind" on Quechua. I will be guiding people when using the App.



YOUR HOME IN SPACE: THE HABITAT LAYOUT CREATOR

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-

Objectives



Create an application that allows people to simulate a space habitat from specific data asked.



Offer habitat simulations that allows astronauts to live with properly ergonomic accommodations, facilities and space.

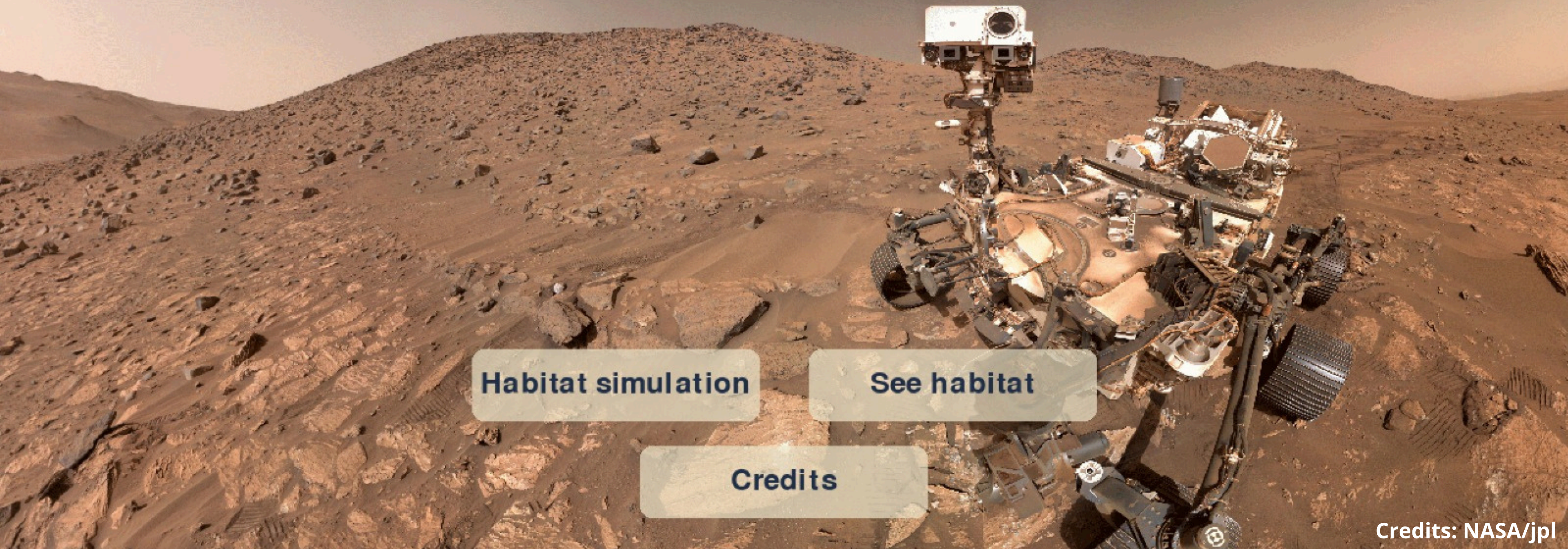


Create an interactive tool “easy to use and big results”



Use NASA's resources with educational proposes in order to promote learning , creativity and understanding .

CONDOR HAS LANDED



Credits: NASA/jpl

With this tool, it will be possible to simulate different habitat configurations for settlement and colonization missions, starting from regions located between the Sun and the asteroid belt.

Ejecution procedure

1

**Problem understanding and data
analyzation of bibliography.**

2

**Use of tools and code devolpment
such as Gitup, Visual Studio Code
and IA tools (Copilot & ChatGpt5)**

3

**Functional prototype of the
application with required
cracteristics**

Application Interface

Habitat Information

1) Number of people:


2) Mission location:

3) Duration (months):

4) Number of modules:

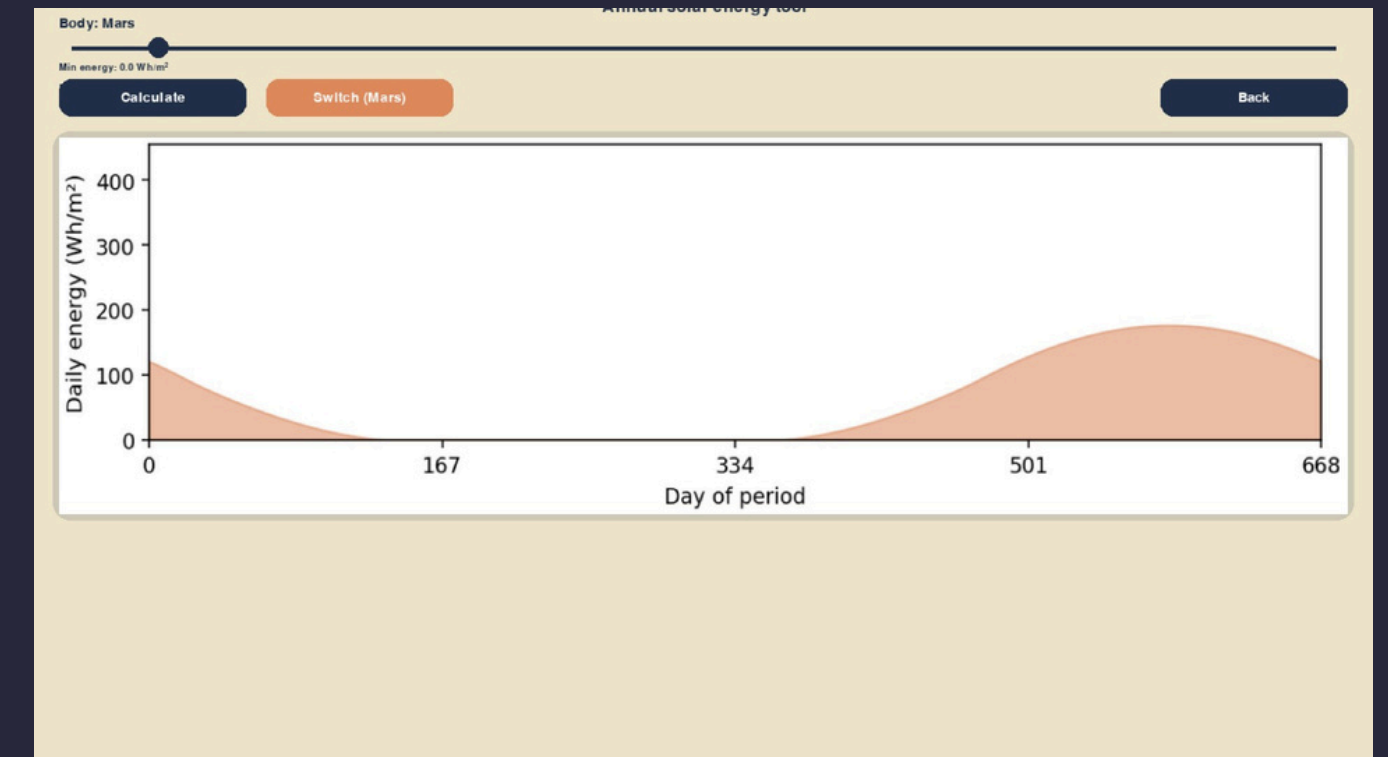
Submit Back

Hi! my name es Waira and I will guide you to create your simulated habitat. To start, please introduce the required information.



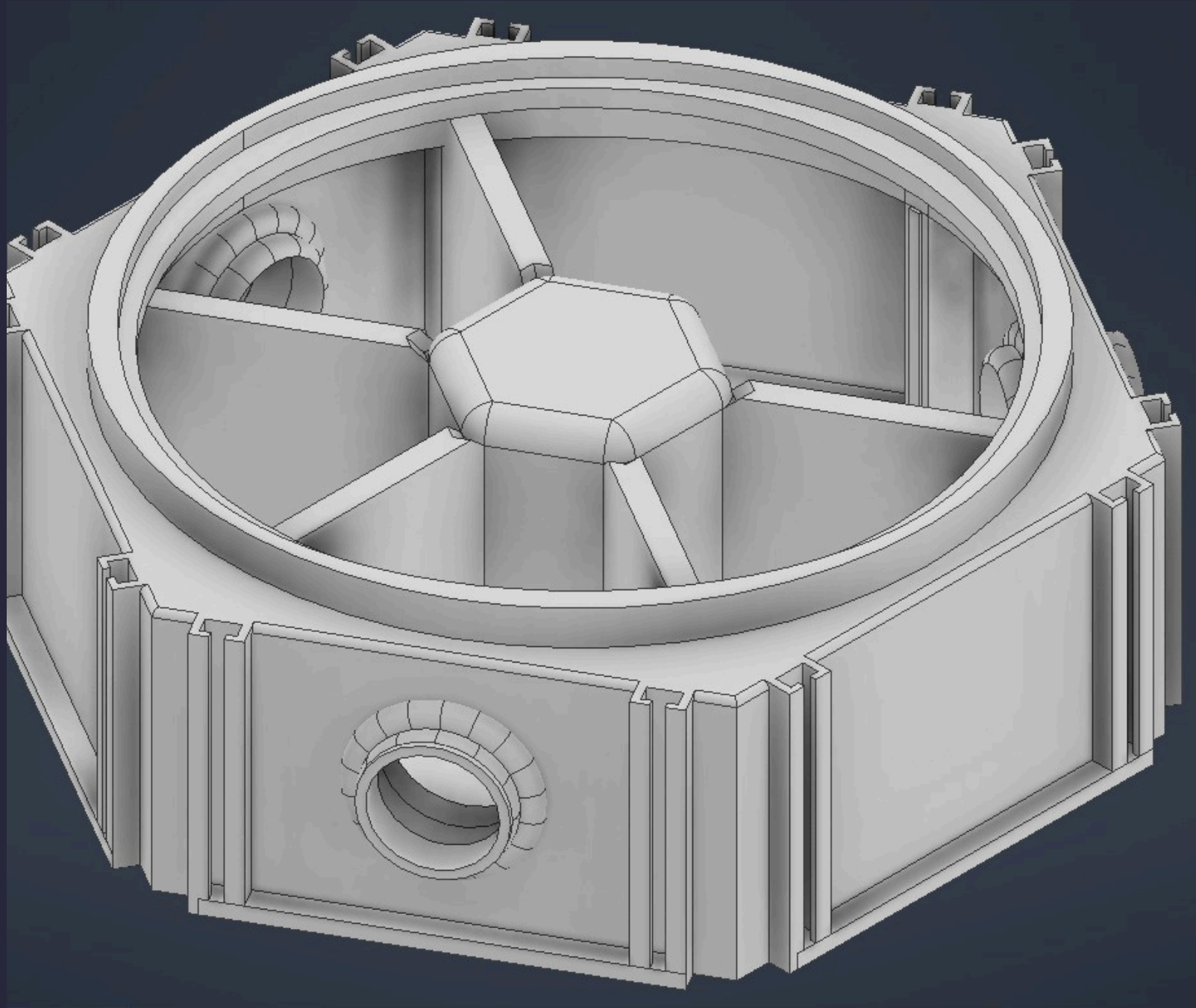
We developed a tool that allows , through specific questions, an adequate simulation.

We generated the possibility of customize your own design.

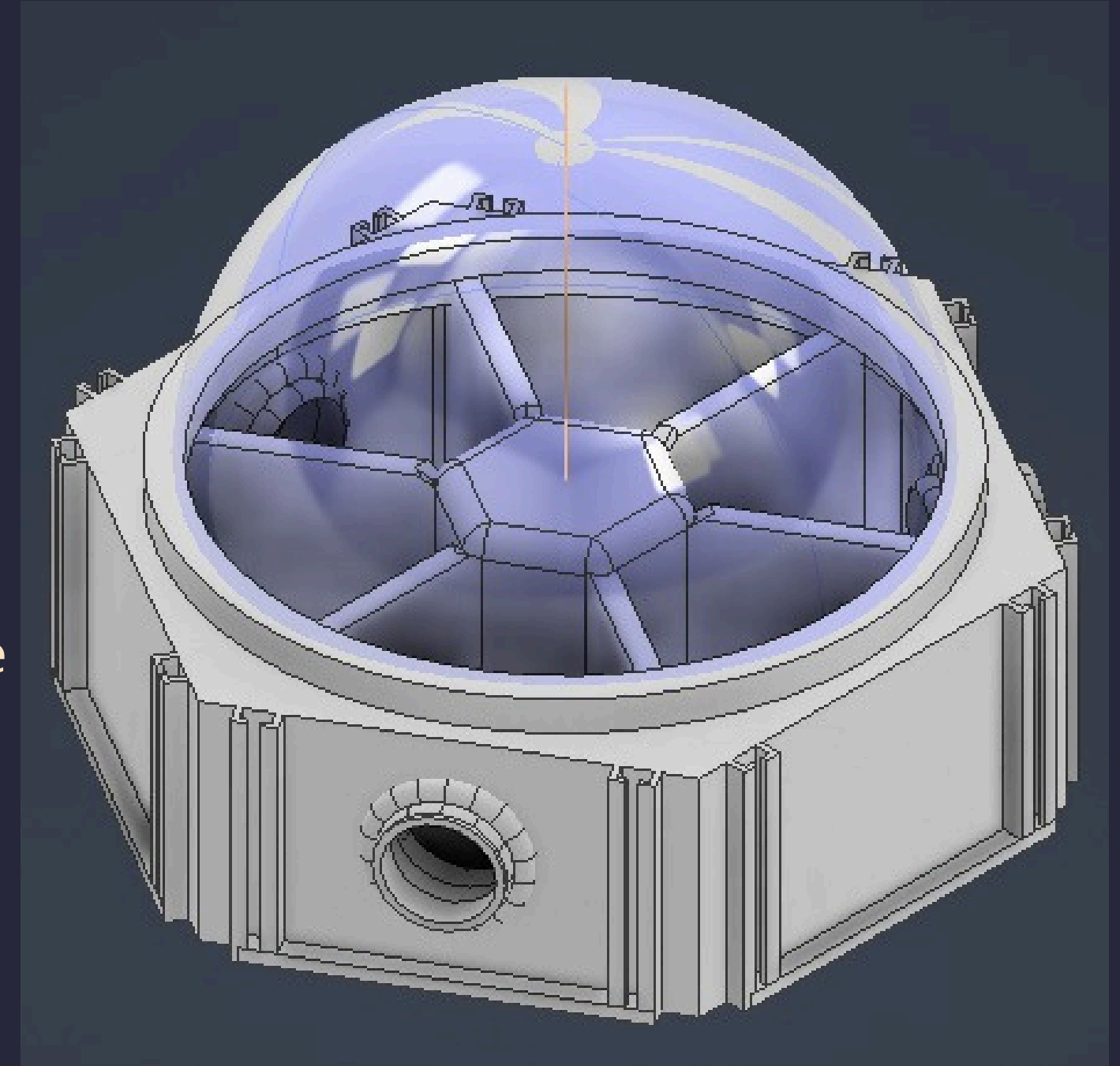


We desing simulations of energy consumption in order to know the needed energy for your mision!

3D conceptual design



The 3D design was created using CAD software to model the proposed modular habitat. On the left, an option for internal organization can be seen, and on the right, an inflatable dome provides additional space.





This is our assistant, Waira, which allows greater accessibility when using our app, creating a friendly experience!

Project:

- <https://github.com/PachoForero/Condor-has-landed-NASA>