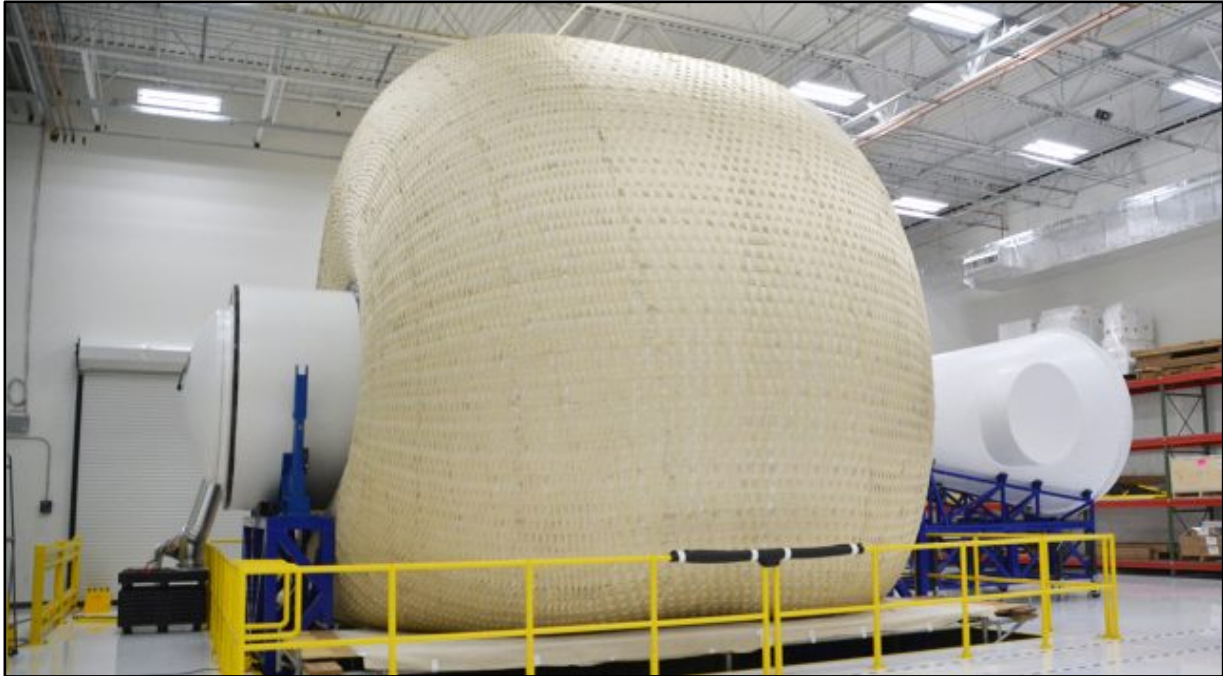


Martian Habitat Design Ideas

Inflatable Habitats:

Inflatable Habitats can be easily transported from Earth or even used on a spacecraft on the way to Mars, then reused on the planet.



Credits: Sierra Nevada Corporation



Credits: ILC Dover Corporation

Space Ship Habitats:

Some habitats are designed to be sent to Mars as part of a space ship.

Habitat designed by California Polytechnic State University configured for surface deployment:



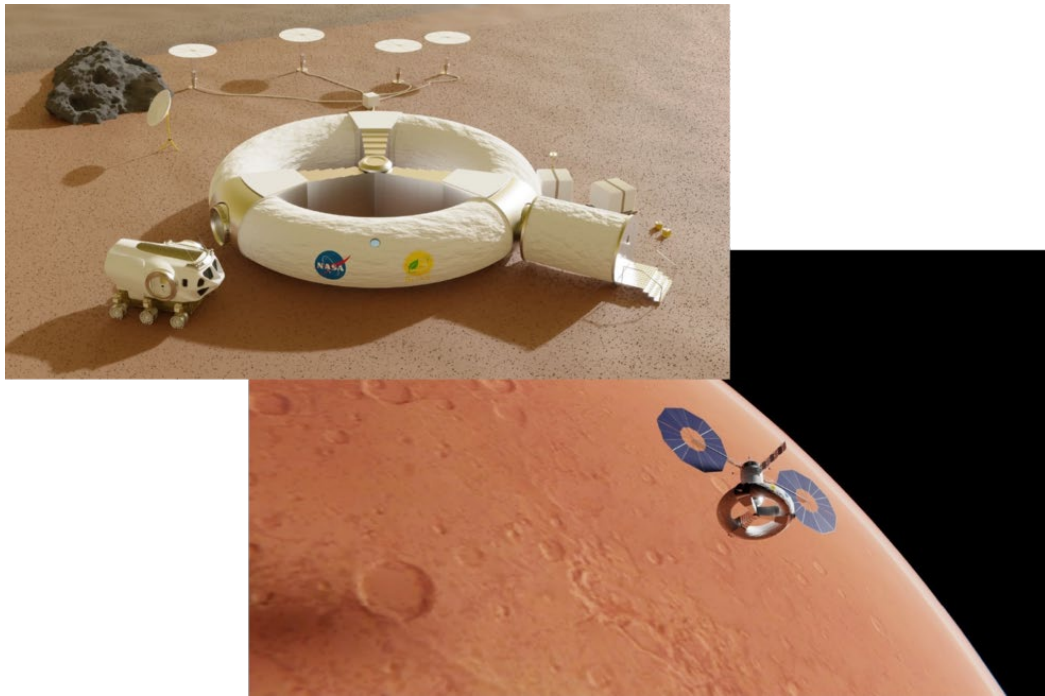
Credits: California Polytechnic State University, Pomona

Habitat designed by California Polytechnic State University configured for transit:



Credits: California Polytechnic State University, Pomona

Artist's concept of a habitat designed by the University of Michigan called Argo. The top left hand image shows Argo deployed as surface habitat. The bottom right hand image shows Argo deployed as transit habitat.



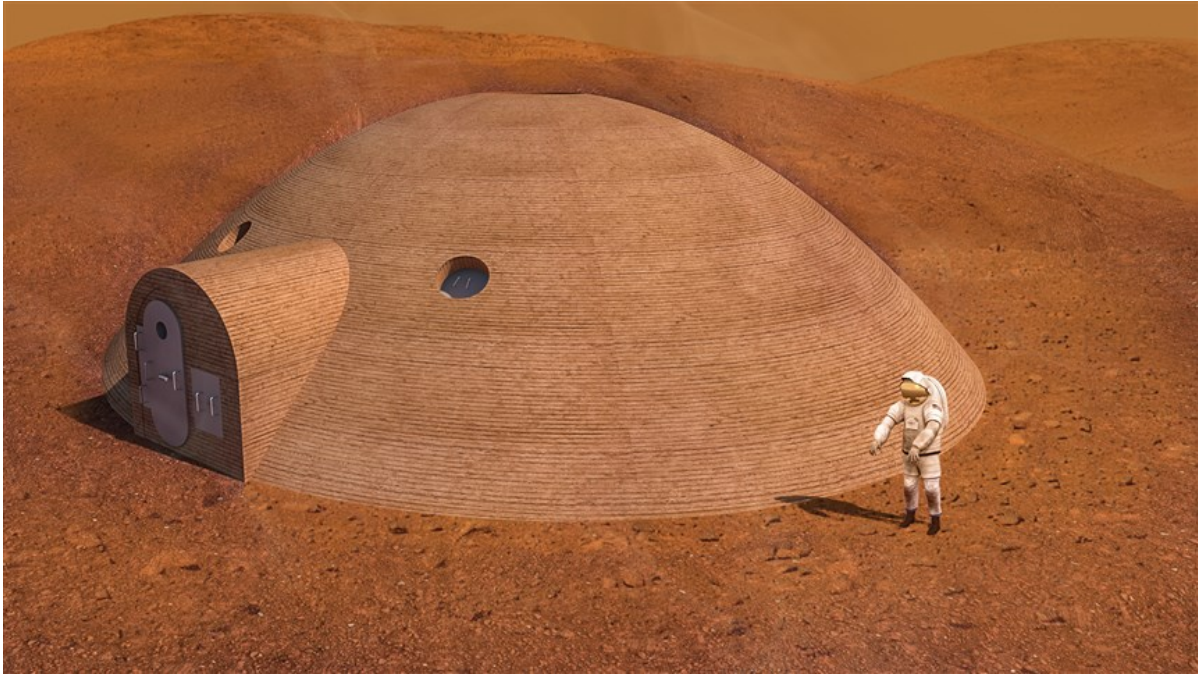
Credits: University of Michigan

Local Material Habitats:

Some habitat designs use local materials, including some that are constructed using giant 3D printers. Many of these designs were submitted as part of NASA's Habitat Challenge.

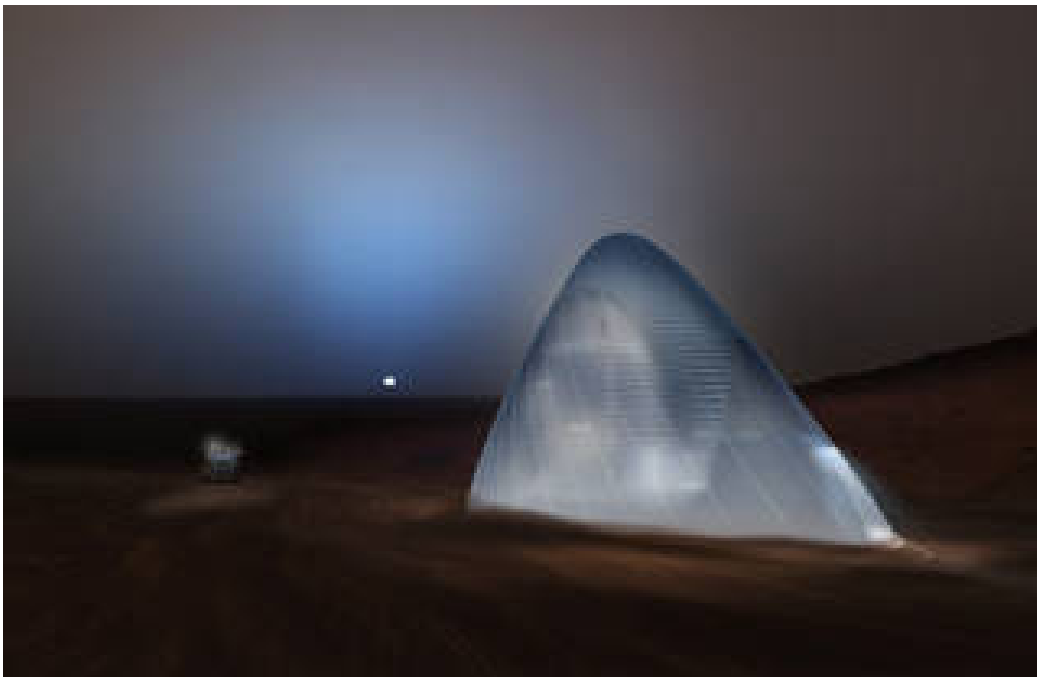


Credits: Credits: AI SpaceFactory



Credits: Northwestern University

This design even has a multi-layered shell of ice.



Credits: SEArch/Clouds Architecture Office

Combination Habitats:

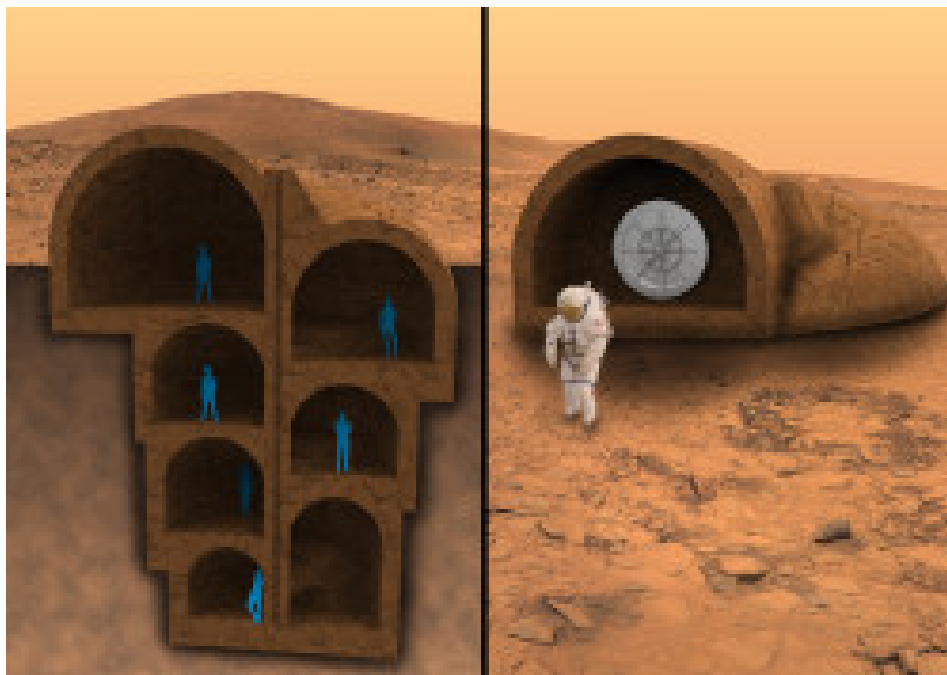
Some habitat designs are a combination of inflatable and local materials.



Credits: LavaHive

Mars Feature Habitats:

There are also habitats that use Mars features such as underground habitats or are built into hills.



Credit: RedWorks