Mars Colony

The Virgil Villages

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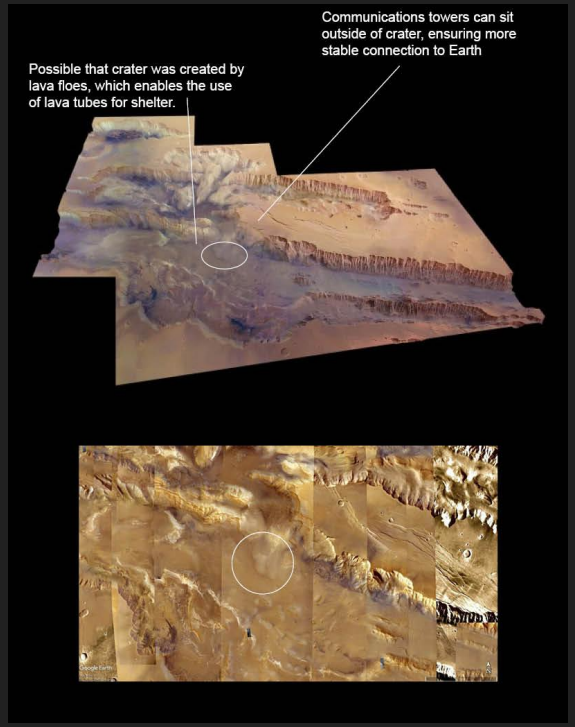
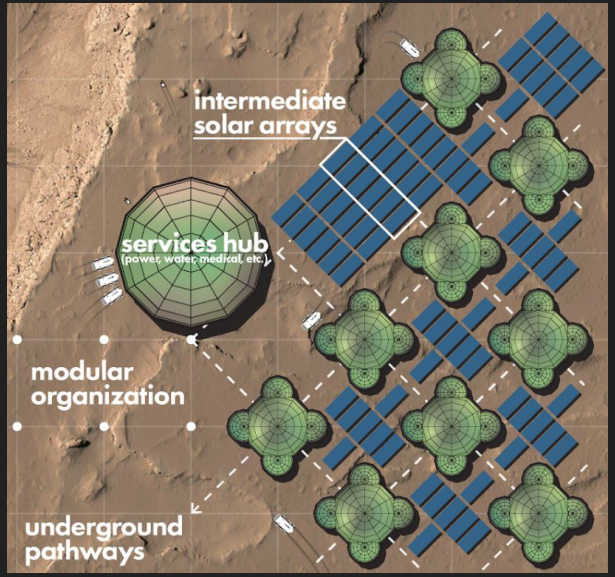
Project Recap



Site - Melas Labes in Valles Marineris

Precedent -TERA by AI SpaceFactory



Our Design - A modular colony of smaller, self-sufficient houses interconnected with larger common areas

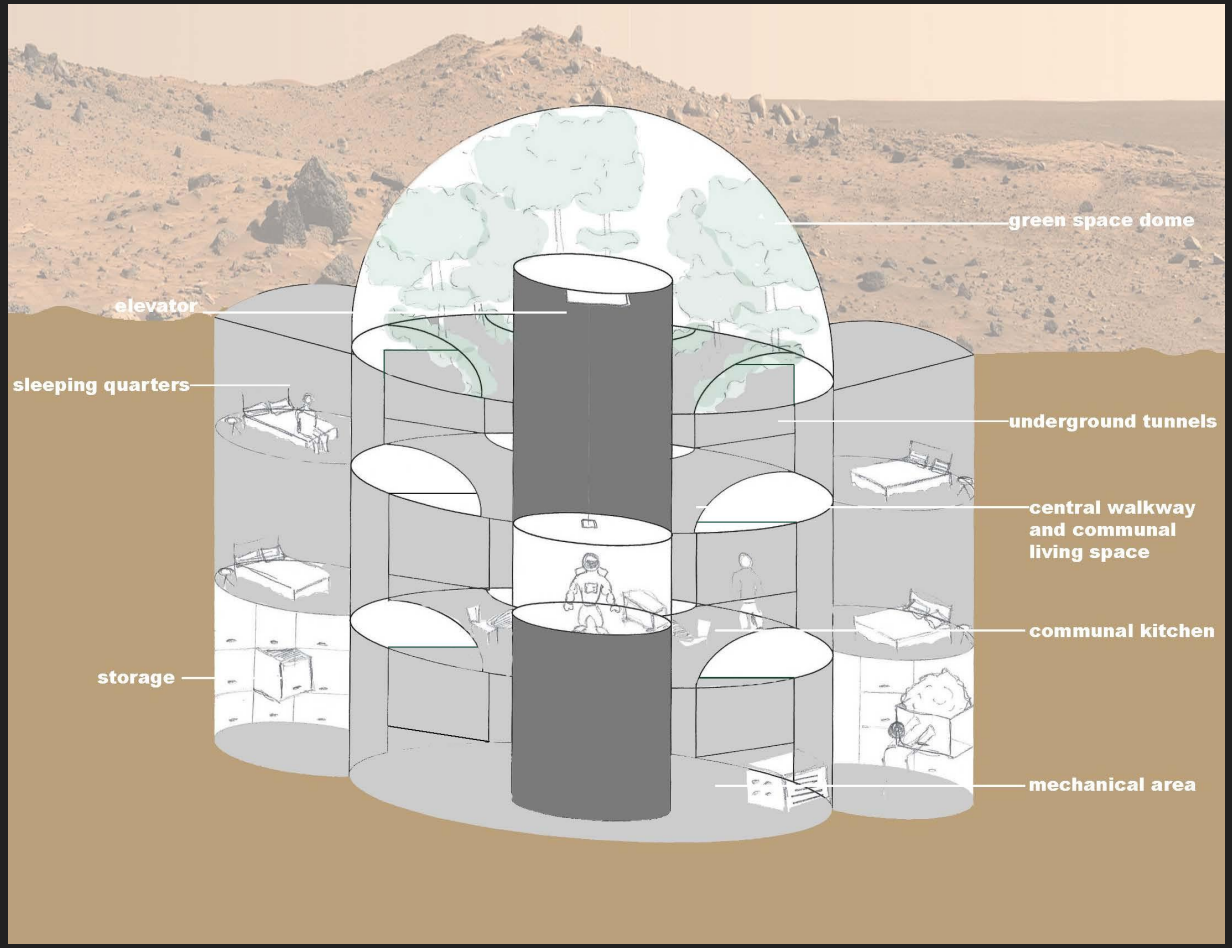
Section Drawing

-continued with original layered design

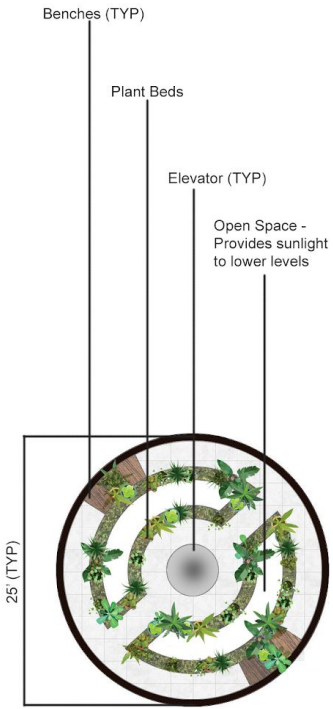
-central cylinder flanked by four smaller cylinders

-only portion above ground is the green dome

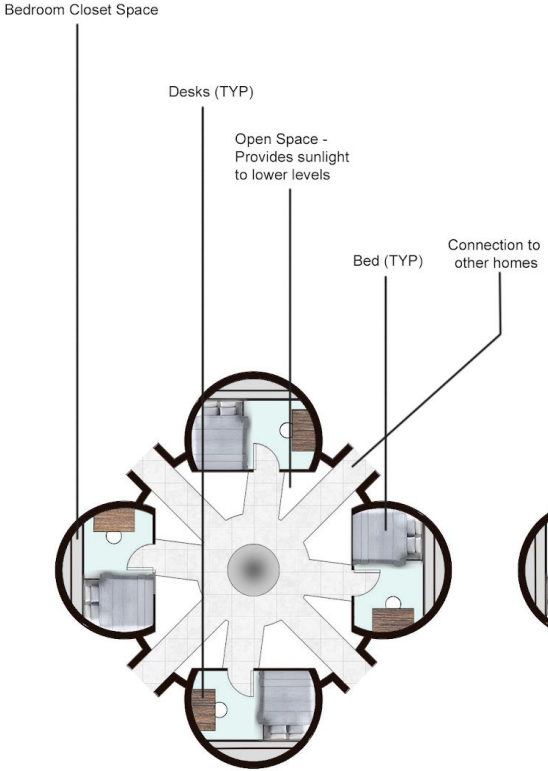
-central walkways allow for light and air circulation from top to bottom



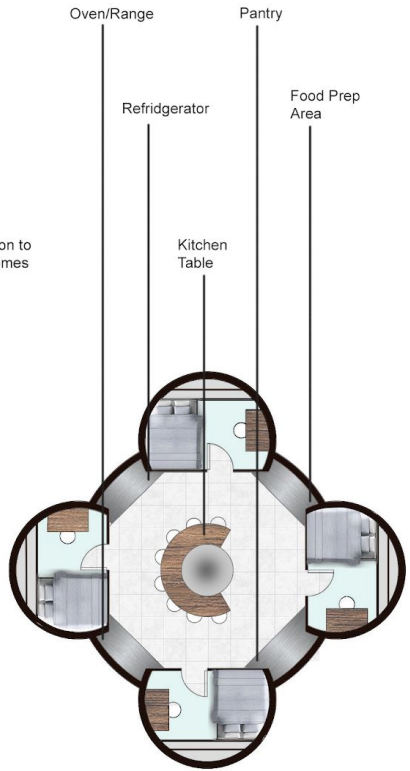
Plan Drawing



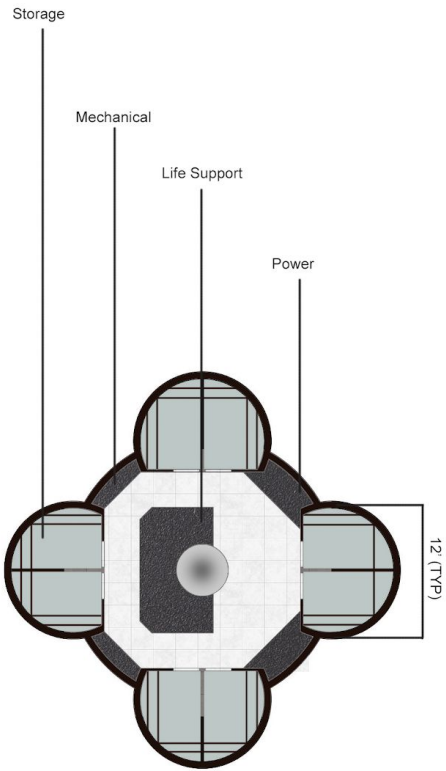
Garden Level
0



Common Level
-1



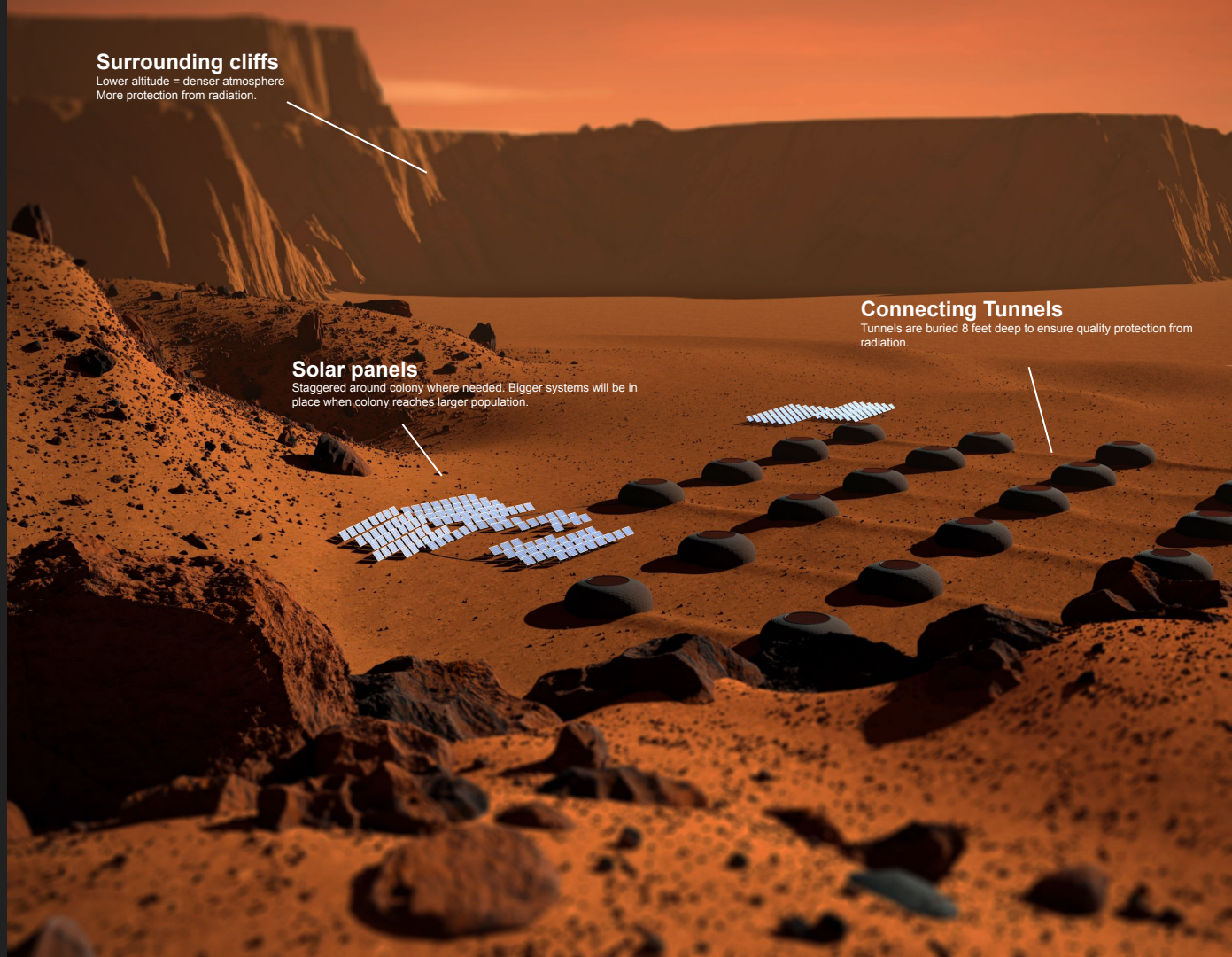
Kitchen Level
-2

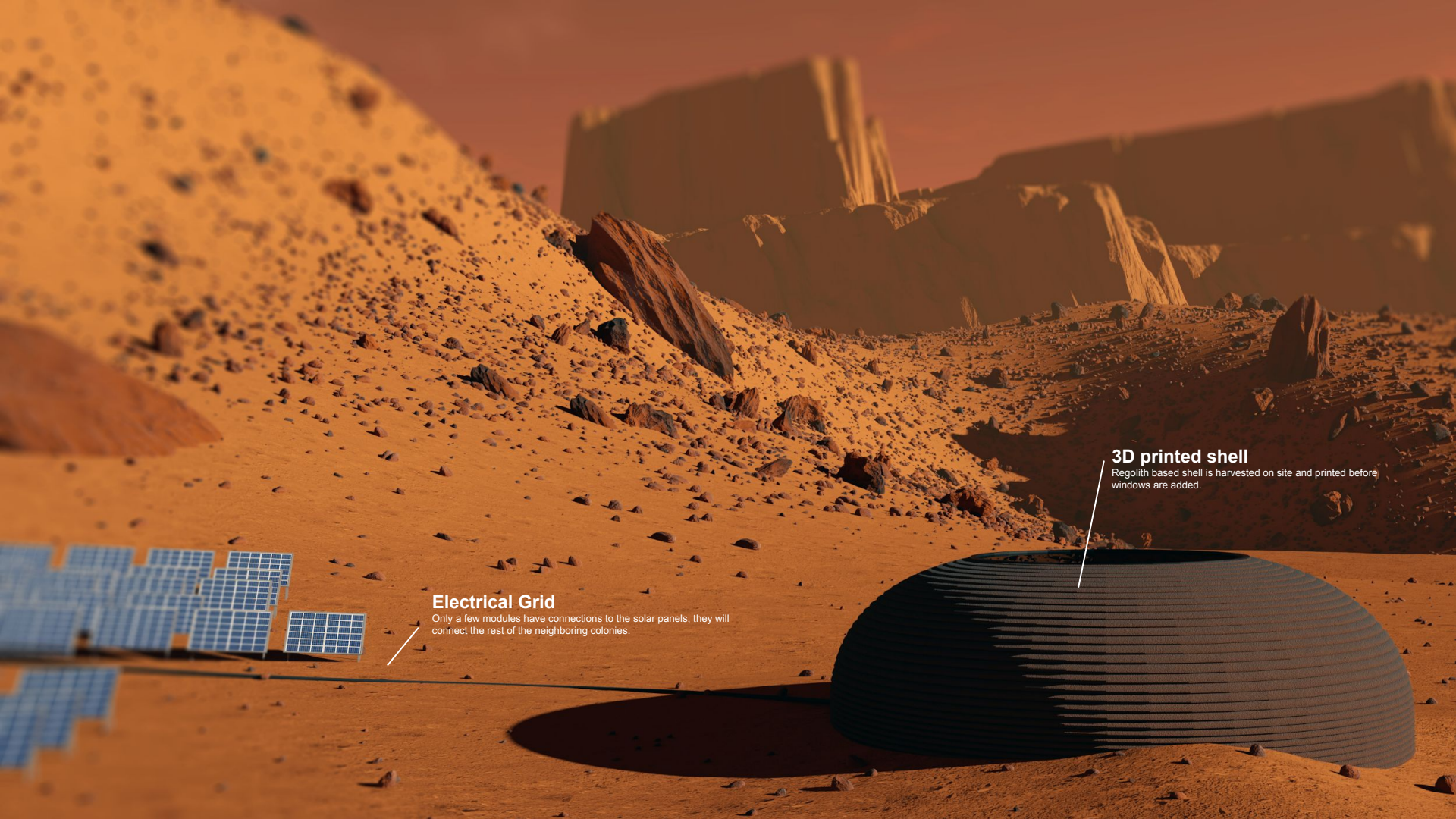


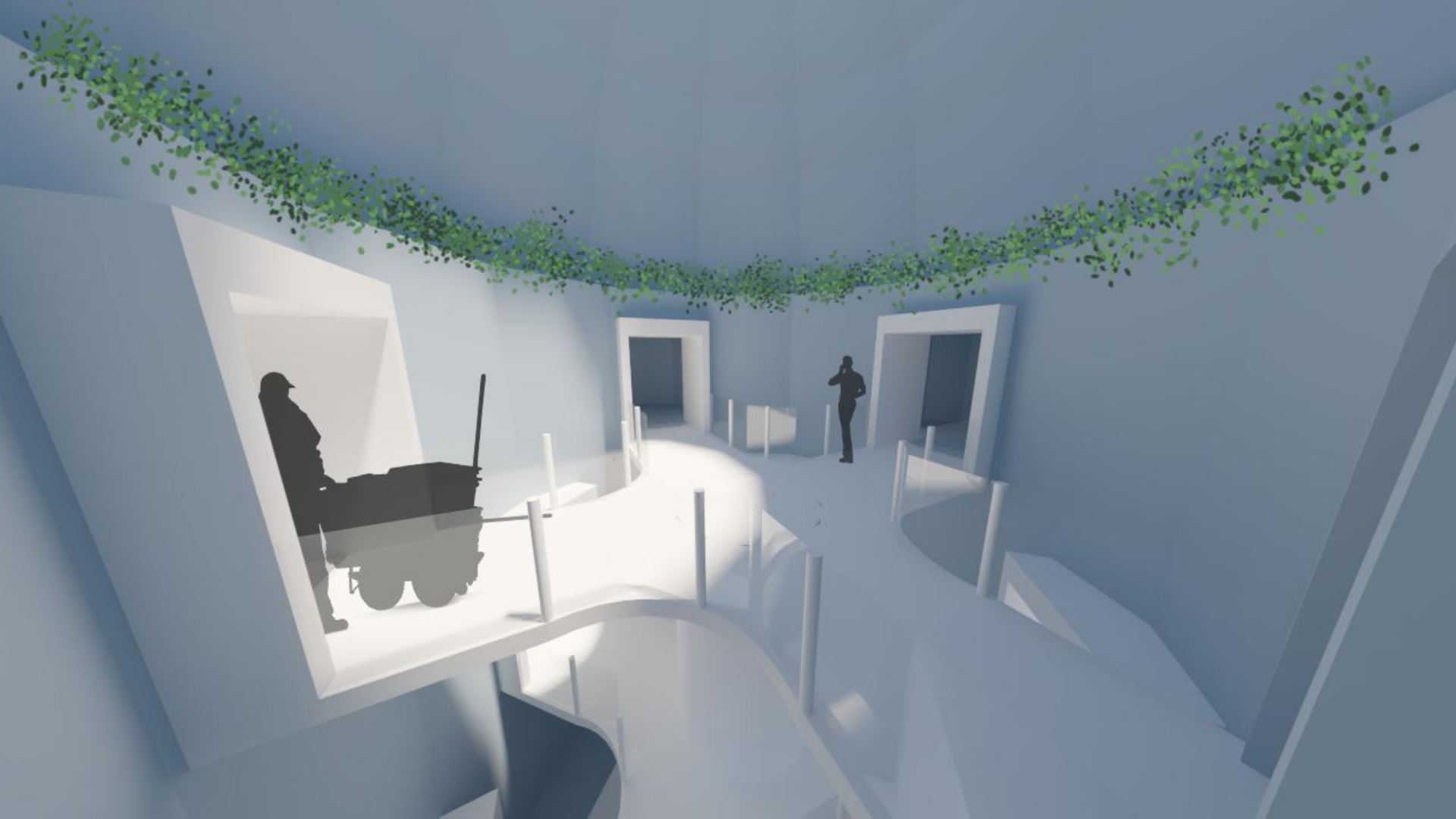
Support Level
-3

Exterior Render

View of the colony from the canyon.




3D printed shell
Regolith based shell is harvested on site and printed before windows are added.
Electrical Grid
Only a few modules have connections to the solar panels, they will connect the rest of the neighboring colonies.




Questions?