

# MARS SPACE PIONEERING

Challenge –  
Develop concepts  
for humans to go  
further and stay  
longer in space  
with an ever  
decreasing need to  
be reliant on Earth,  
approaching “Earth  
independence”



Challenge Budget  
\$35,000

Challenge Award  
\$15,000

New/  
Expanded  
Concepts



## Results

- New and/or expanded concepts to consider in future planning
- Mylar encased ice for building structures
- integrated bio-regenerative life support
- extraction of starch from algae as a food supplement.