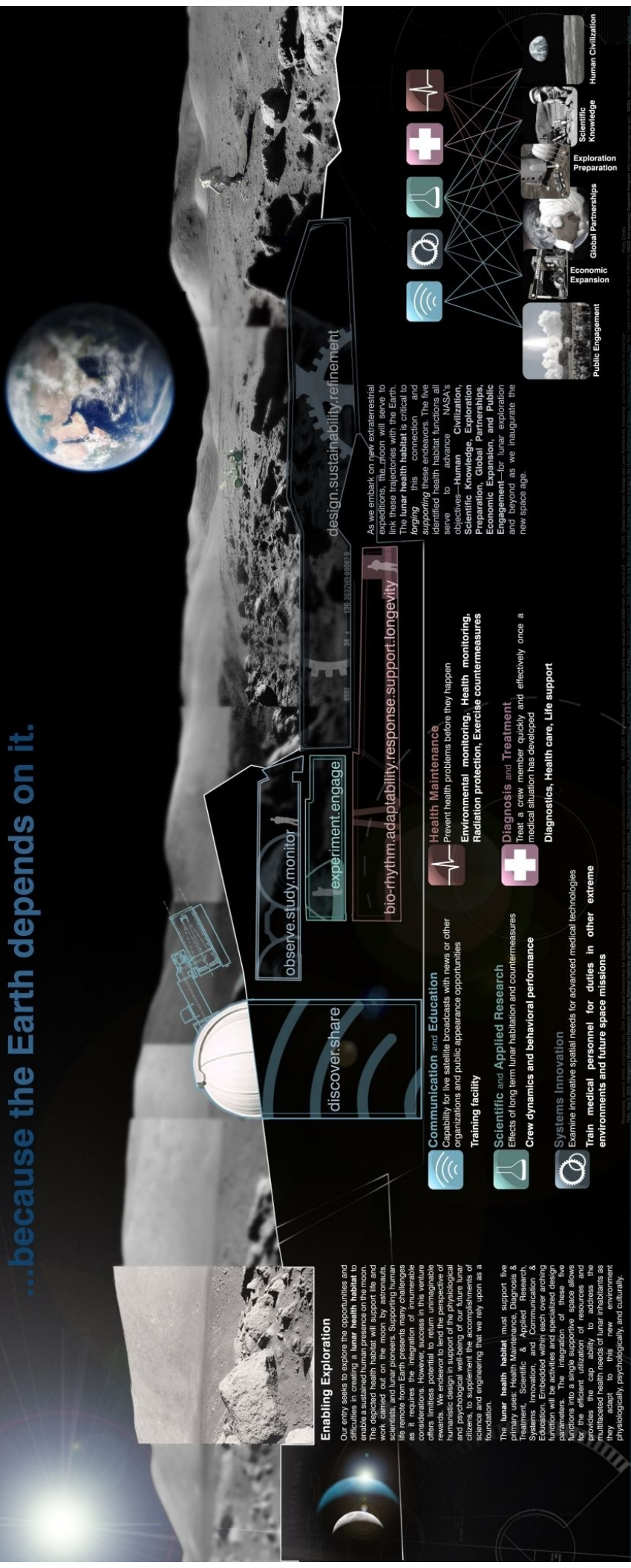


# ...because the Earth depends on it.



## Enabling Exploration

Our entry seeks to explore the opportunities and challenges of long-term lunar habitation and enable a sustained human presence on the moon. The depicted health habitat will support life and work earned out on the moon by astronauts, scientists, and lunar pioneers. Supporting human life from the moon presents a highly challenging and complex problem with many technical and operational considerations. However, success in this venture offers limitless potential to return unimaginable rewards. We endeavor to lend the perspective of humanistic design in support of the physiological and psychological needs of the lunar explorers, citizens, to supplement the accomplishments of science and engineering that we rely upon as a foundation.

The lunar health habitat must support five primary uses: Health Maintenance, Diagnosis & Treatment, Scientific & Applied Research, Systems Innovation, and Communication & Training. The health habitat will be a multifunctional facility that will support the health and well-being of the crew. The integration of these five functions into a single supportive space allows for the efficient utilization of resources and provides the necessary infrastructure to support the long-term health and well-being of the crew. The health habitat is designed to support the needs of the lunar explorers as they adapt to this new environment physiologically, psychologically, and culturally.

## discover.share

**Communication and Education**  
Capacity for live satellite broadcasts with news or other organizations and public appearance opportunities

**Training facility**

**Scientific and Applied Research**  
Effects of long term lunar habitation and countermeasures  
**Crew dynamics and behavioral performance**

**Systems Innovation**

**Train medical personnel for duties in other extreme environments and future space missions**

## observe.study.monitor

**Health Maintenance**  
Prevent health problems before they happen

**Environmental monitoring, Health monitoring, Radiation protection, Exercise countermeasures**

**Diagnosis and Treatment**  
Treat a crew member quickly and effectively once a medical situation has developed

**Diagnostics, Health care, Life support**

## experiment.engage

## bio-rhythm.adaptability.response.support.longevity

## design.sustainability.refinement

As we embark on new extraterrestrial expeditions, the moon will serve to link these trajectories with the Earth. The lunar health habitat is critical to forging this connection and supporting lunar habitations. These will serve to advance NASA's objectives—Human Civilization, Scientific Knowledge, Exploration Preparation, Global Partnerships, Economic Expansion, and Public Engagement—for lunar exploration and beyond as we inaugurate the new space age.



**Public Engagement**



**Economic Expansion**



**Global Partnerships**



**Exploration Preparation**



**Scientific Knowledge**



**Human Civilization**