

TECH RESEARCH AND DISCOVERY DOMAINS



Habitat and Life Support



Robotic Assistant for astronauts



Crew Health



Nutrition

The Moon is not just a destination, but a laboratory for Mars and beyond.

EXPLORATORY CORNERSTONE PROJECTS

SYSTEM

LISE

LORA

Medipod

Space Kitchen

Sub-system / rack

Payload / Techno.

GeoAssist

AMAIA

Portable equipment
In Situ Resource Characterization
Geology
Sample collection
AI Expert

Lunar Integrated Shelter for Exploration
V.1 Power Station
V.2 Lunar Science Laboratory
V.3 Habitat for 2 astronauts for min. 7 days
Same as earth mountain refuge

Lunar Operations Rover Assistant
Bring equipment
Execute tasks
Autonomous navigation
Astronaut's mule

Prevention, Diagnosis, Care
Well-being & performances countermeasures
Earth equipment miniaturization
IT solution for crew autonomy
Astronaut's digital twin

Astronaut Multipurpose AI Assistant
Monitoring & Control
Support operations
Astronaut's Companion

Plant and fungus cultivation
Food processing & preservation
Cooking
By-product recycling
I/F with ECLSS

