PLANETARY SURFACE MOBILITY AT HONEYBEE ROBOTICS

HONEYBEE ROBOTICS
A BLUE ORIGIN COMPANY

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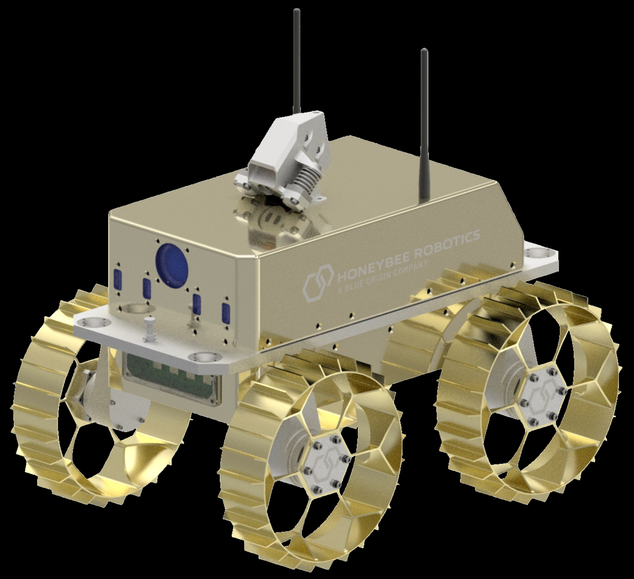
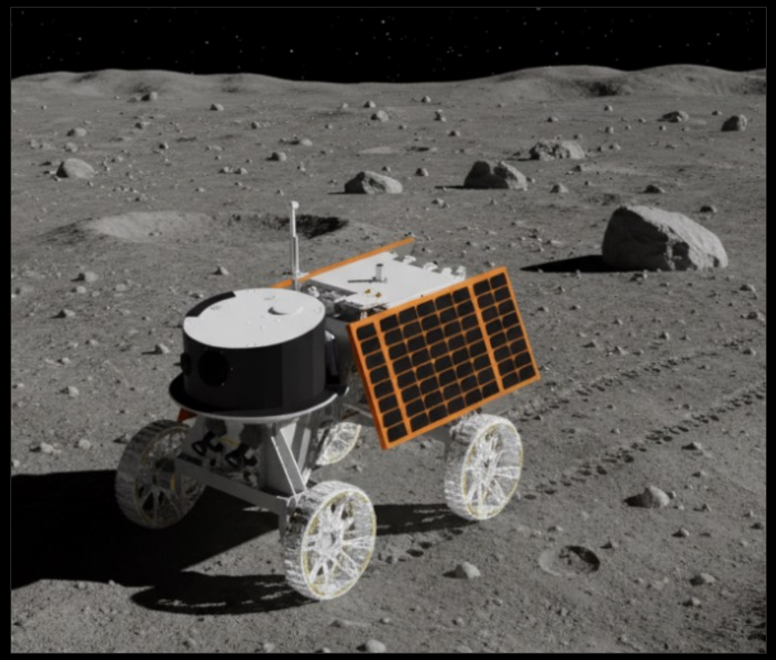
A Family of Rovers for Solar System Exploration



Class 10

~10 kg integrated mass
~100 m traverse
Local survey & inspection



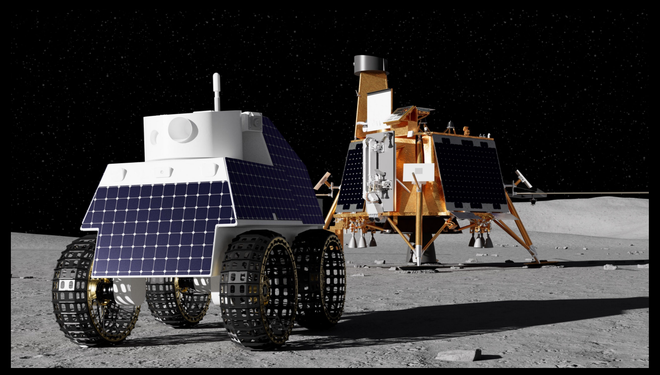
Class 100

~100 kg integrated mass
~1-10 km traverse
Autonomous or human-in-the-loop
single to multi-lunar day exploration

Class 1000

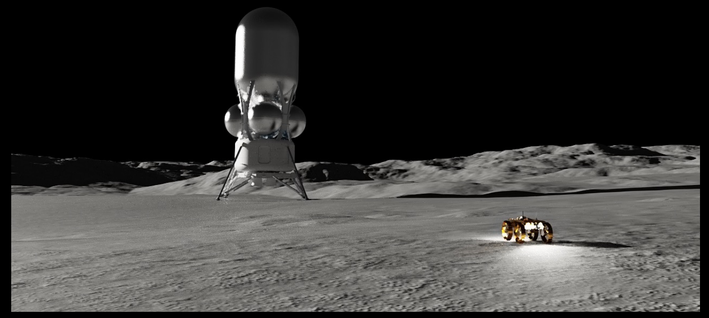
~1000 kg integrated mass
~100s of km traverse
Autonomous or human-in-the-loop lunar logistics

Upcoming Mobility Lunar Missions



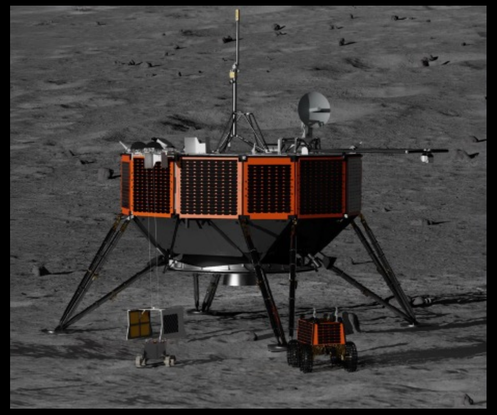
CP-21

Launching 2028 on Firefly Blue Ghost Mission 3
Carrying LunarVISE payload at the Gruithuisen domes
~1.1 km traverse distance



MK2 Lander Imaging

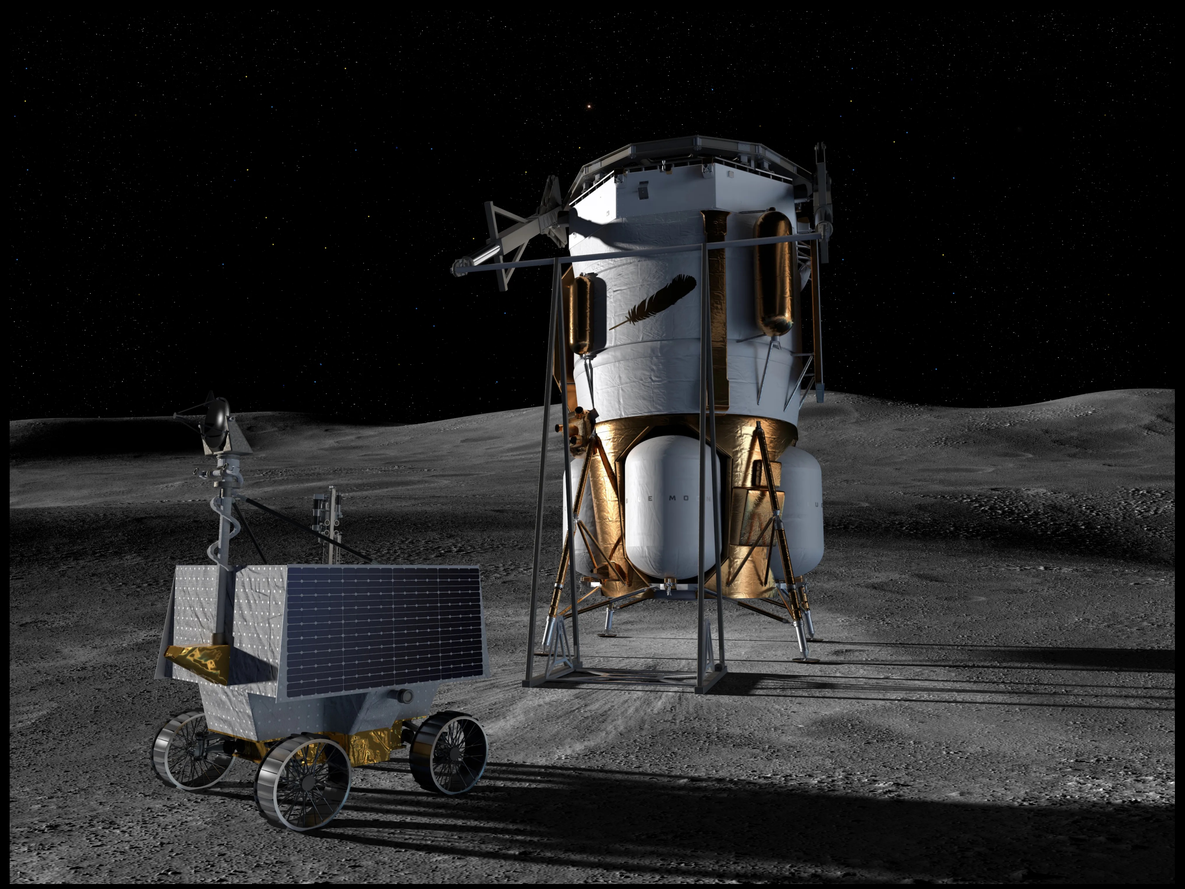
Launching on Blue Origin Mk2 Uncrewed Demo
Lander inspection & ascent video at the South Pole
~100+ m traverse distance



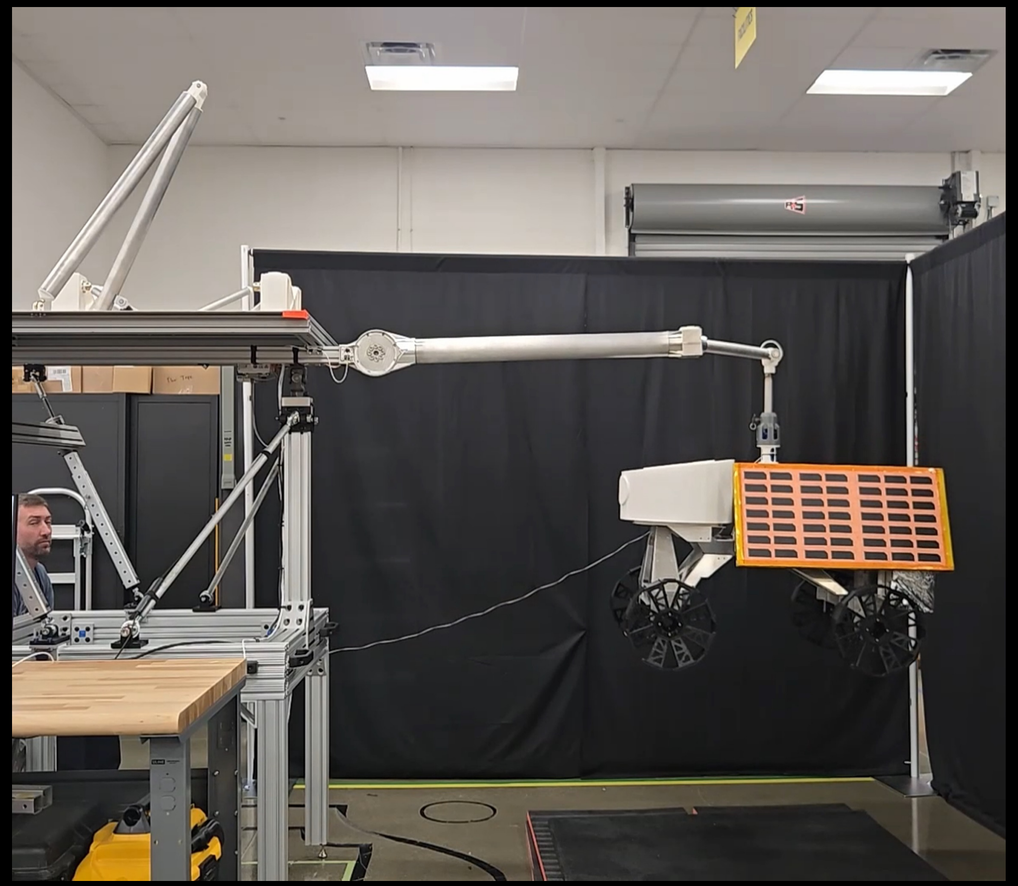
CT-4

Launching 2030 on Intuitive Machines Nova-D Lander
Carrying NIRVSS at the South Pole
~2 km traverse distance

Rover Offloading Capabilities



500-1000 KG OFFLOADER FOR MK1



CP-21 ON BLUE GHOST IN 2028

Test Facilities: ‘Moon Yard’

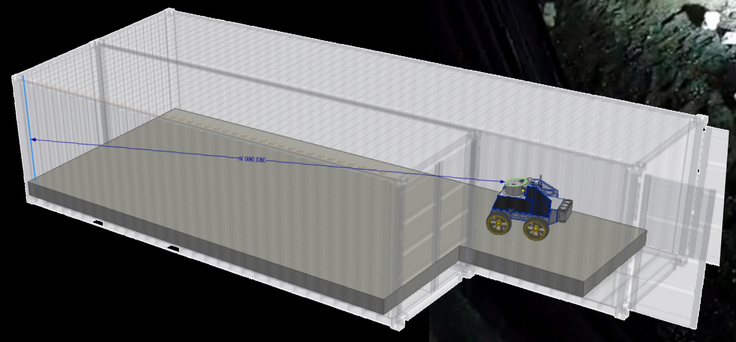
80 m^2, 1 m deep testbed with crushed garnet (previously JPL ISIL simulant)

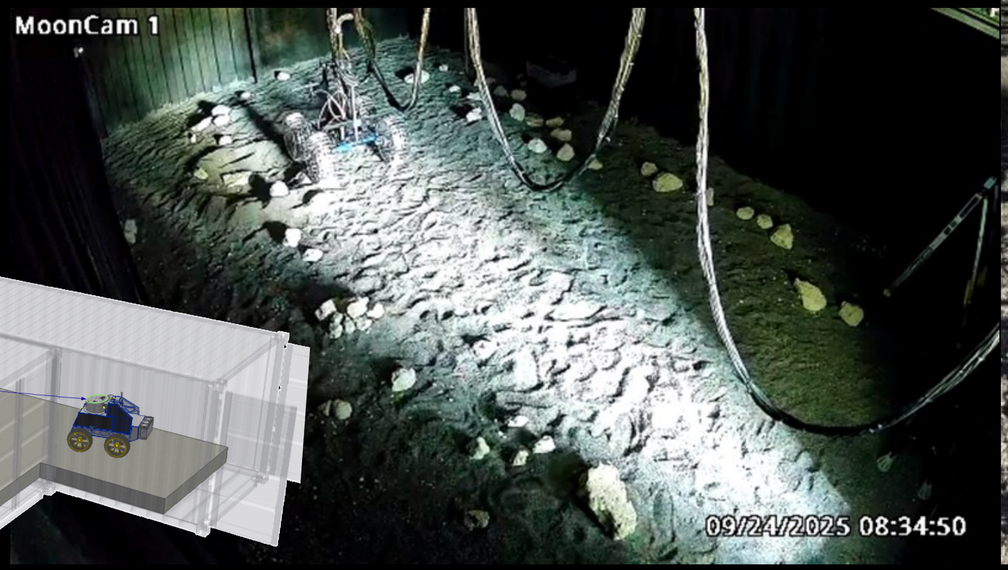
Test Facilities: ‘Moon Box’

Analog environment to simulate lunar lighting and terrain for hazard detection, navigation, and remote ops testing

9 x 5 x 3 m testbed with:

- Motion tracking for navigation ground truth
- Lighting simulation
- LHS-1E Regolith Simulant (Space Resource Technologies)
- Remote operations & monitoring

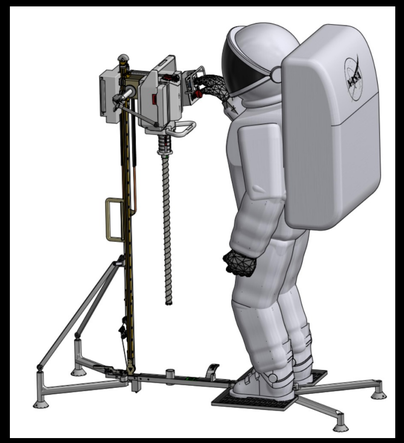


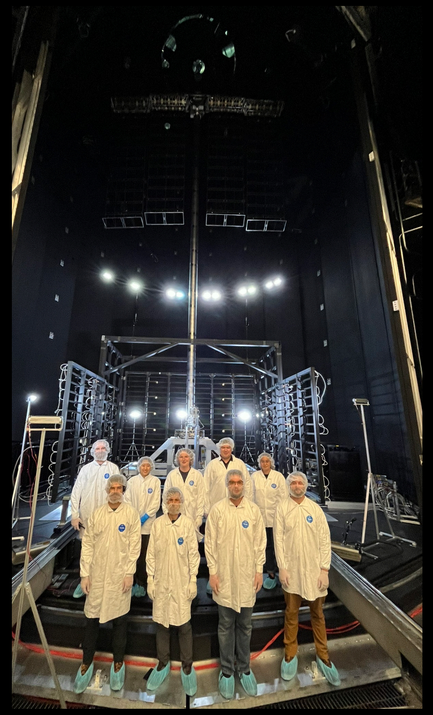


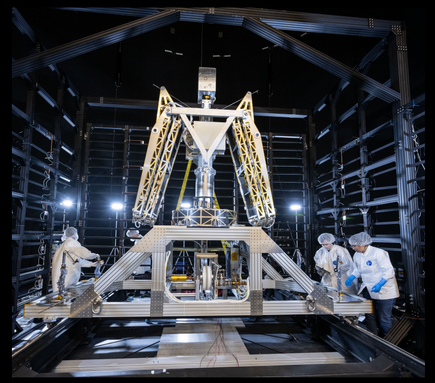
September 2025 Testing

Other Hardware on Display

- DIABLO mechanism & LAMPS
- Astronaut Drill
- Dust Tolerant Connector





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Q3 2025 Mobility & Software Testing