

CP-21 ROVER

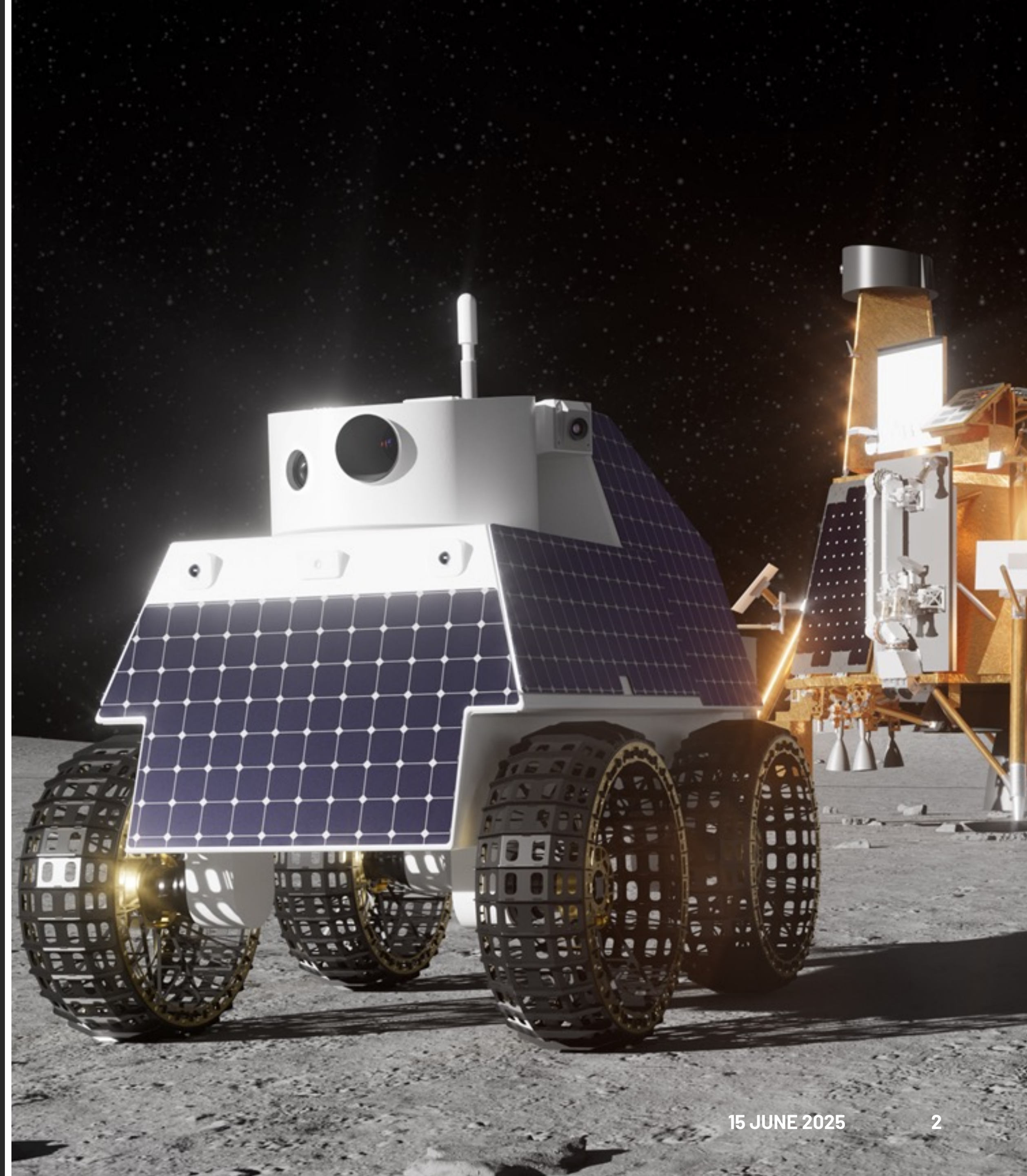


HONEYBEE ROBOTICS
A BLUE ORIGIN COMPANY

SPACE RESOURCES ROUND TABLE
JUNE 5, 2025

DR. KEVIN HUBBARD
BUSINESS DEVELOPMENT MANAGER /
BIDS AND PROPOSALS

- 01 LANDING SITE
- 02 CP-21 MISSION ARCHITECTURE
- 03 LUNAR-VISE SCIENCE SUITE
- 04 NOTIONAL TRAVERSE
- 05 ROVER OVERVIEW
- 06 SCHEDULE





CP-21 LANDING SITE

~36° N

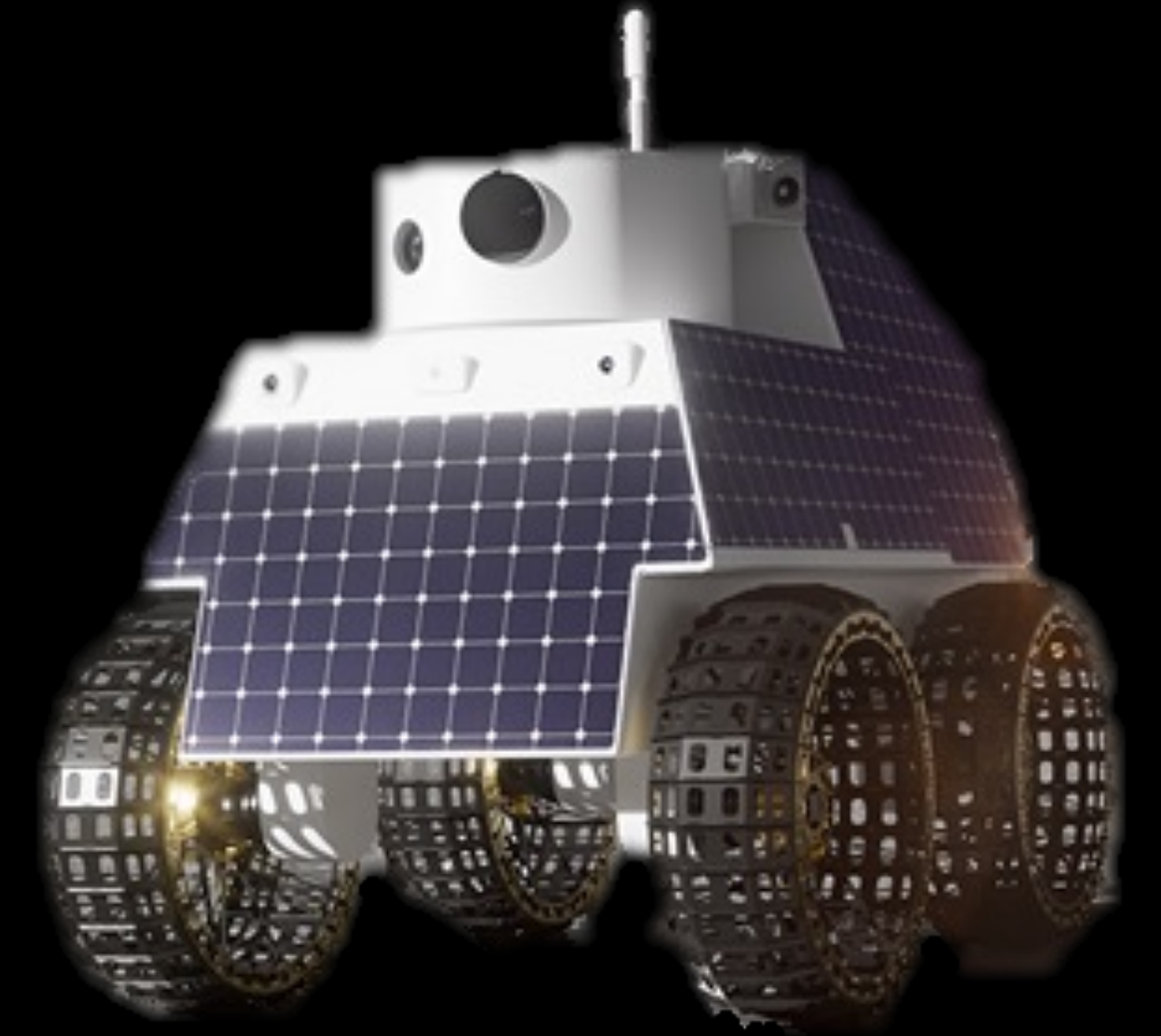
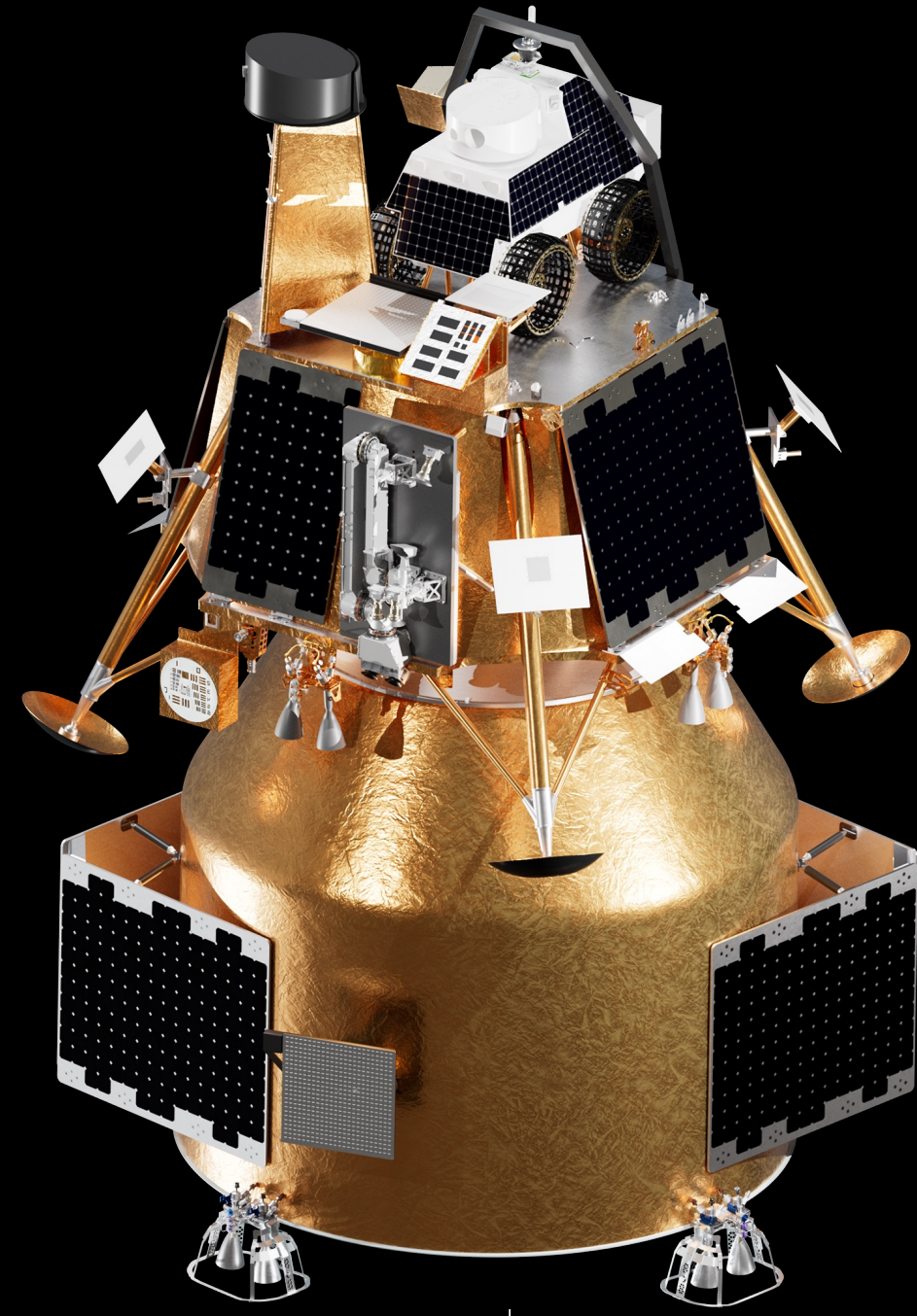
Near-side

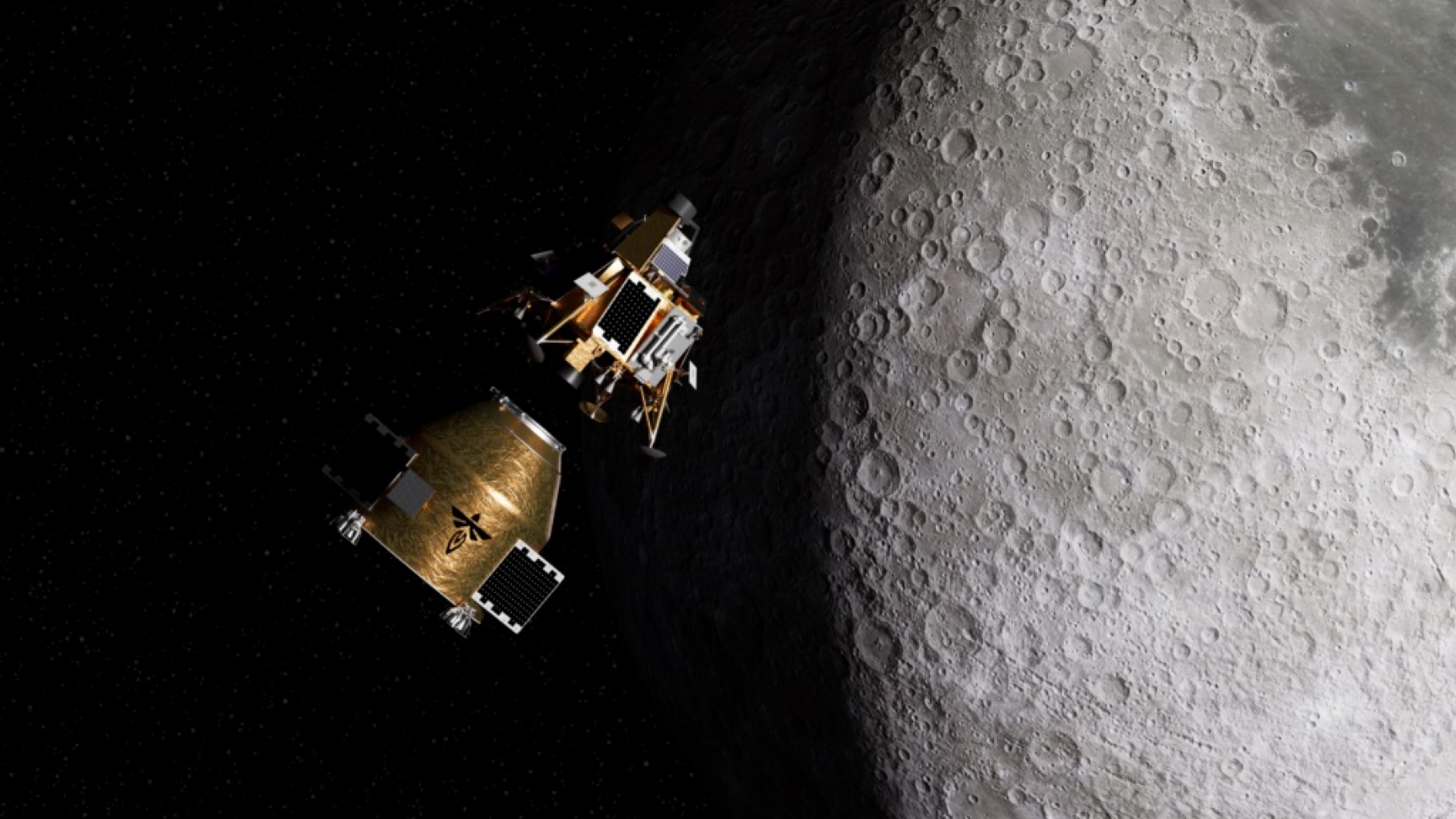
Honeybee | Blue Origin Rover

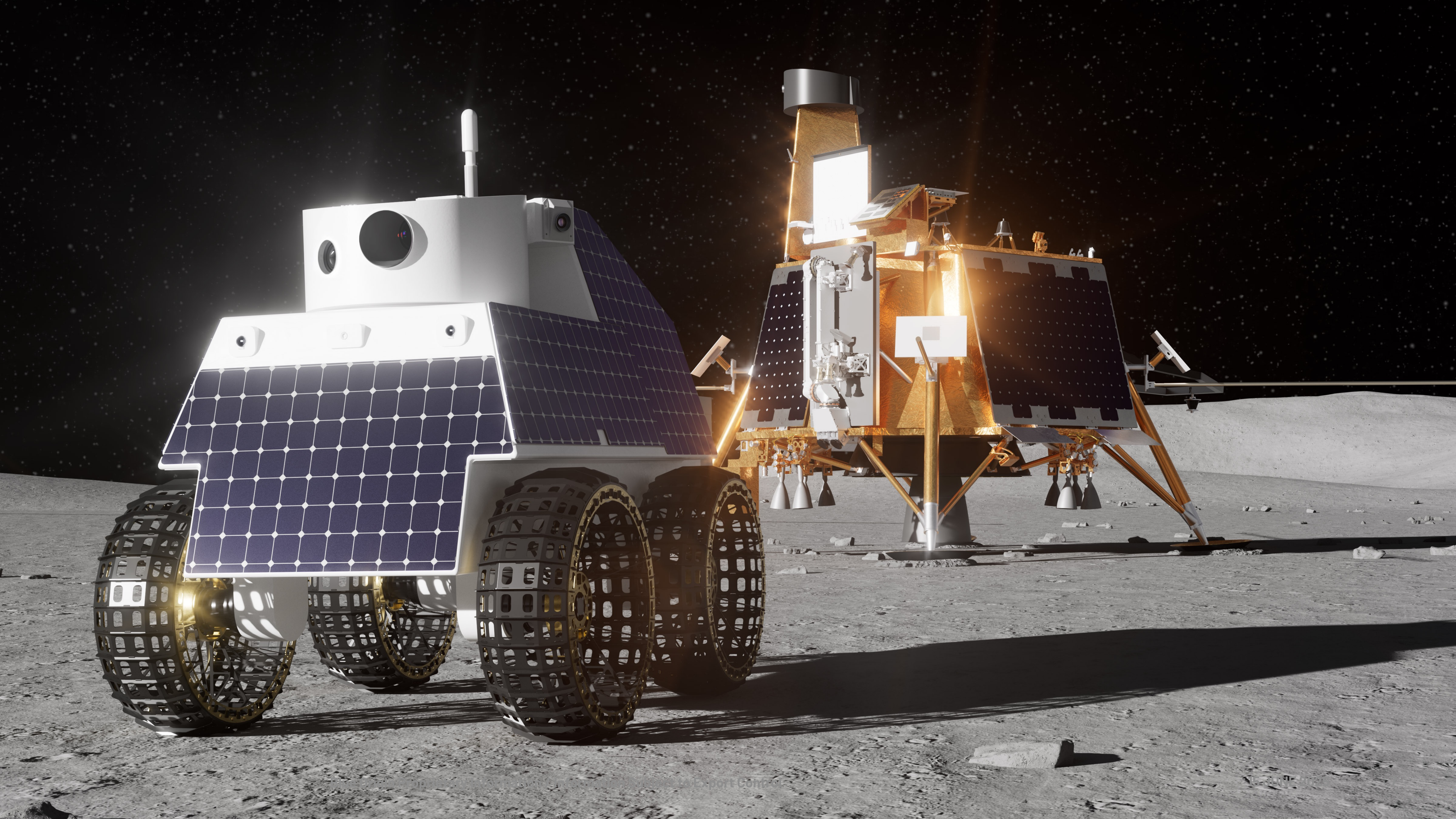
Firefly Blue Ghost Lander #3

Firefly Elytra Orbital Relay

Mission Phases & Configuration











Science Goal –

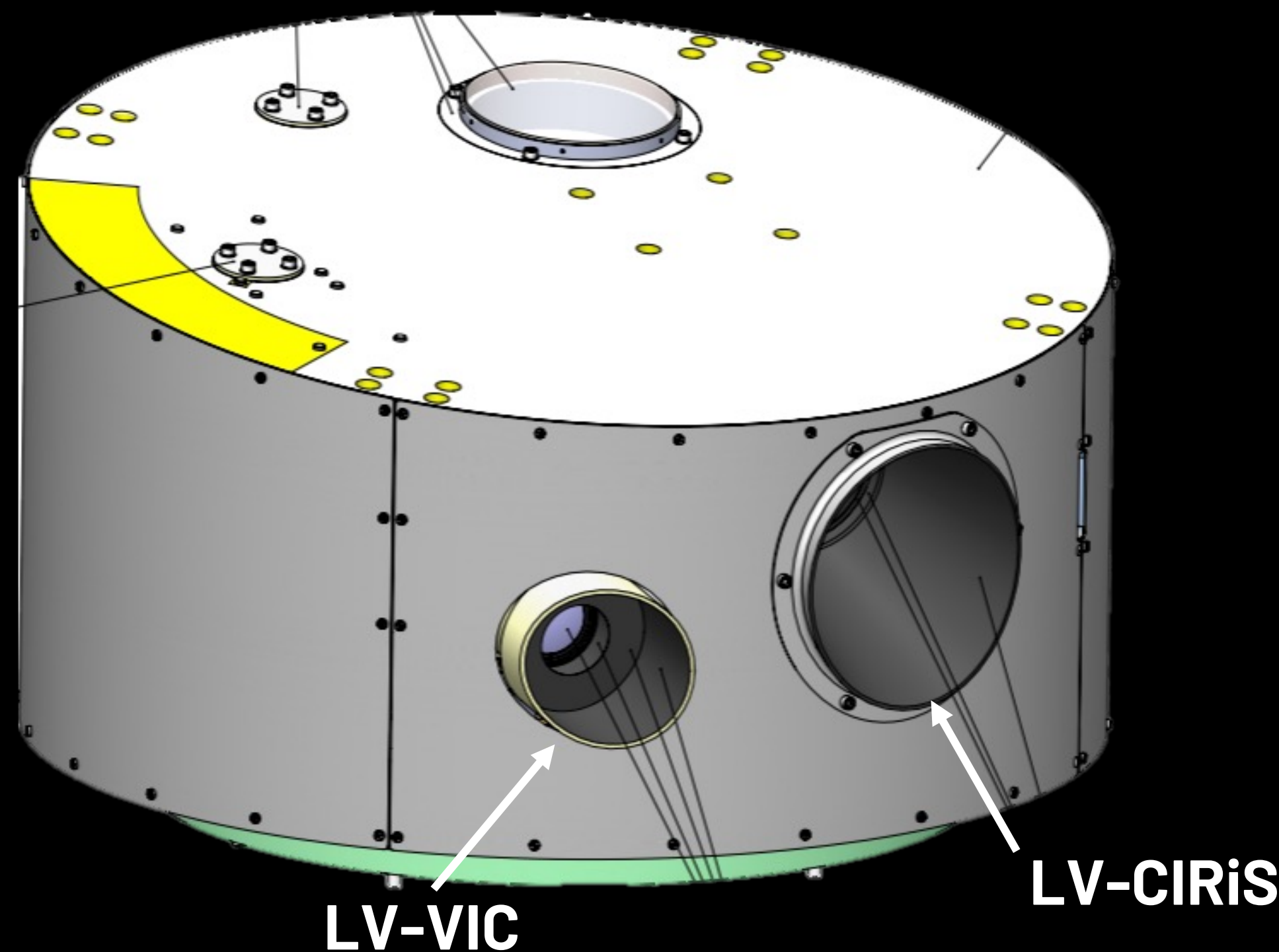
Understand how late-stage lunar silicic volcanism works, as typified by the Gruithuisen Domes

Exploration Goal –

Understand the geotechnical properties of the lunar regolith on the Gruithuisen Domes

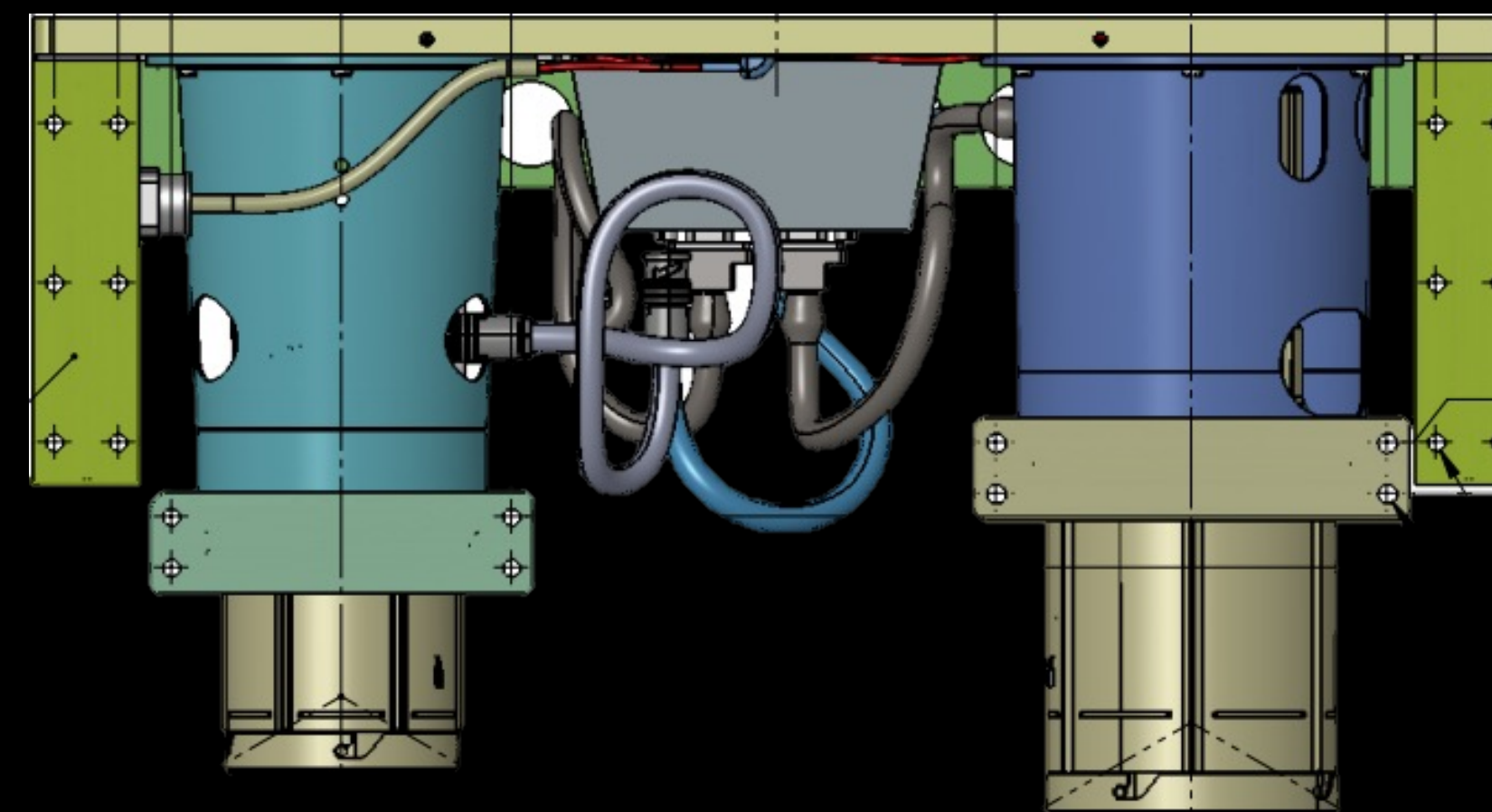
NASA Payload Mass: 16 kg (NTE)

Rover Mass: 100 kg (NTE)



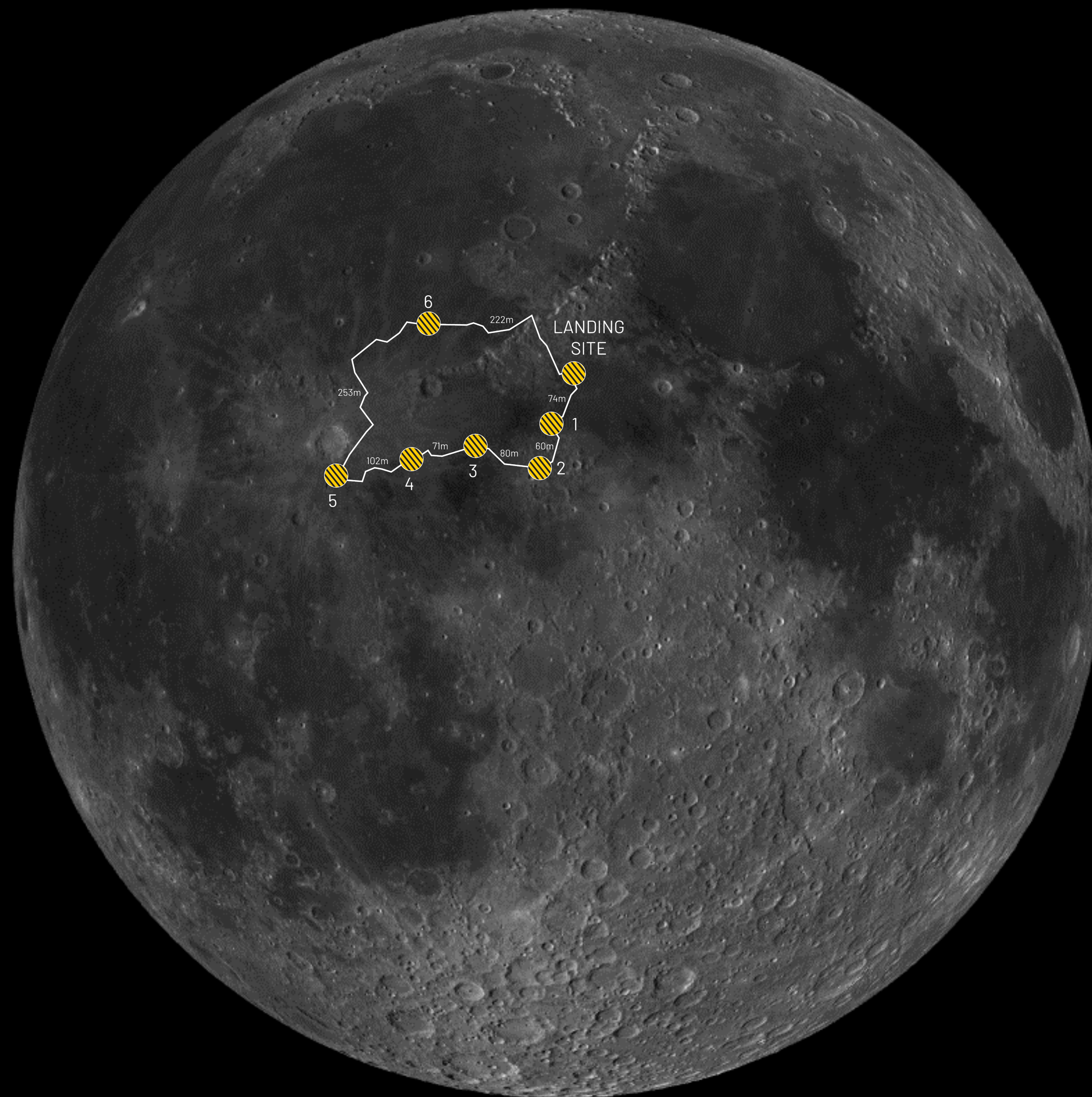
LV-VIMS

- VNIR Imaging Camera (LV-VIC)
- Compact Infrared Imaging System (LV-CIRiS)

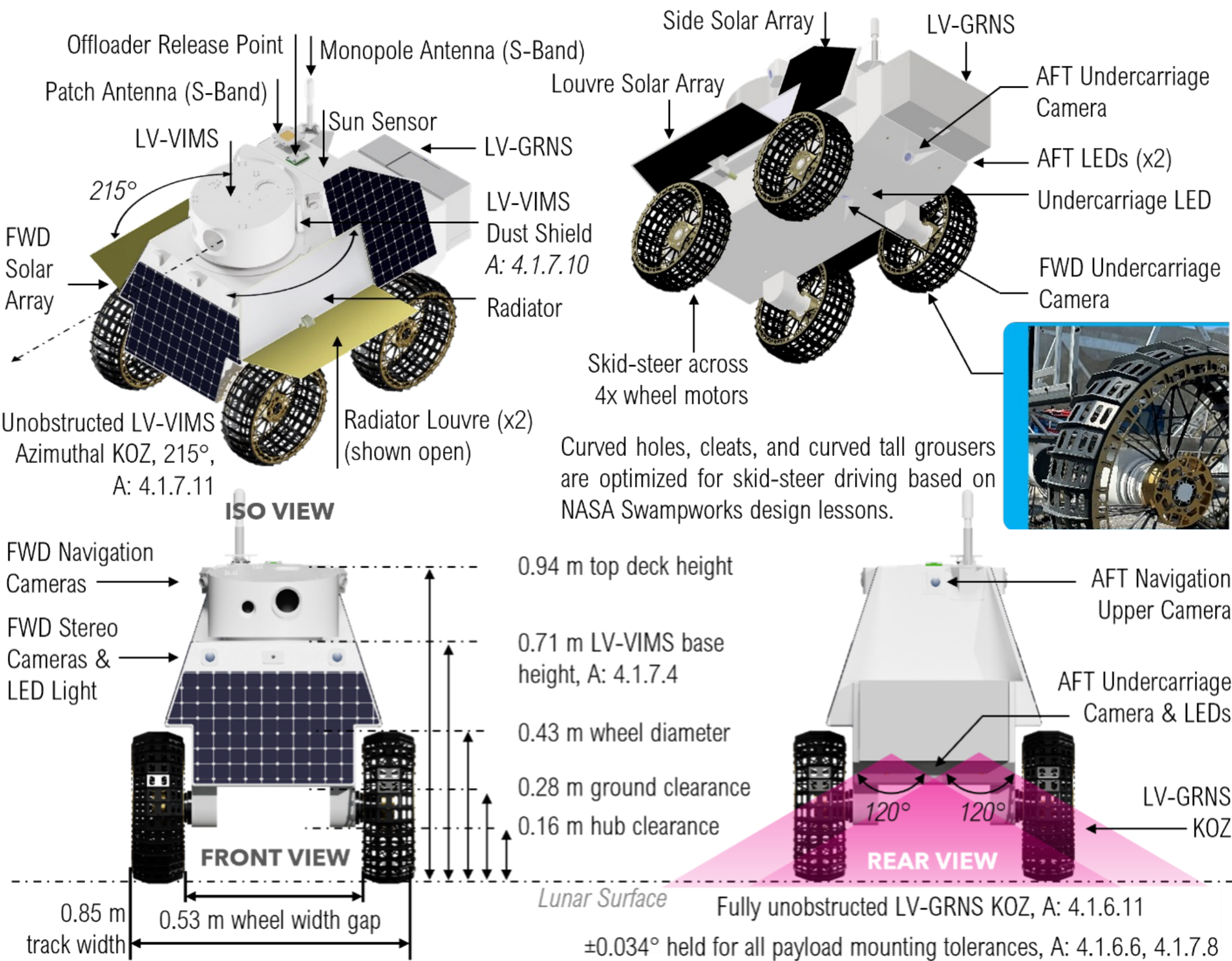


LV-GRNS

- Gamma Ray Spectrometer
- Neutron Spectrometer



Rover Overview



Rover Schedule Overview

	Milestone	Date
1	Kickoff	January 2025
2	Preliminary Design Review (PDR)	Fall 2025
3	Critical Design Review (CDR)	Spring 2026
4	Launch & Surface Operations	Mid 2028