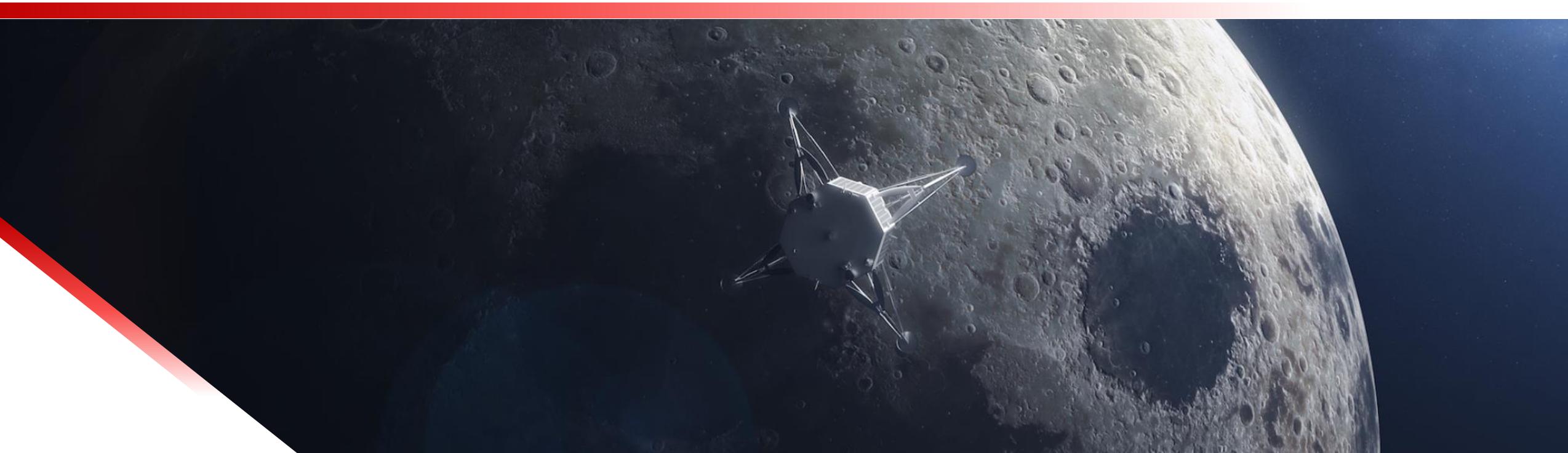




Pioneering High-Frequency Commercial Lunar Missions

Jamie Denniston





66 people

13 countries

3 offices

1 dream

Europe
Office

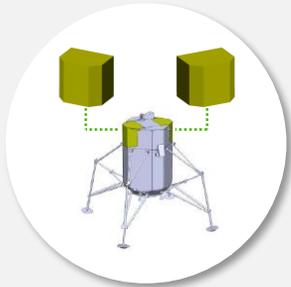


Tokyo Headquarters

NASA Ames
Research Park
Office



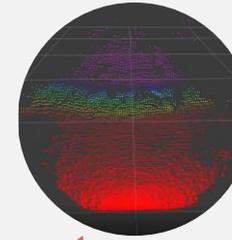
Technology



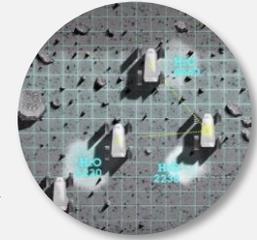
Payload Delivery

The Lander

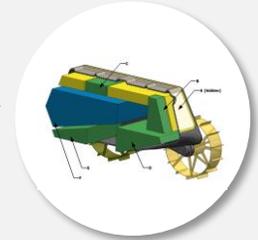
Delivers Supplies to the Moon



3D Terrain Mapping



H2O Resource Mapping



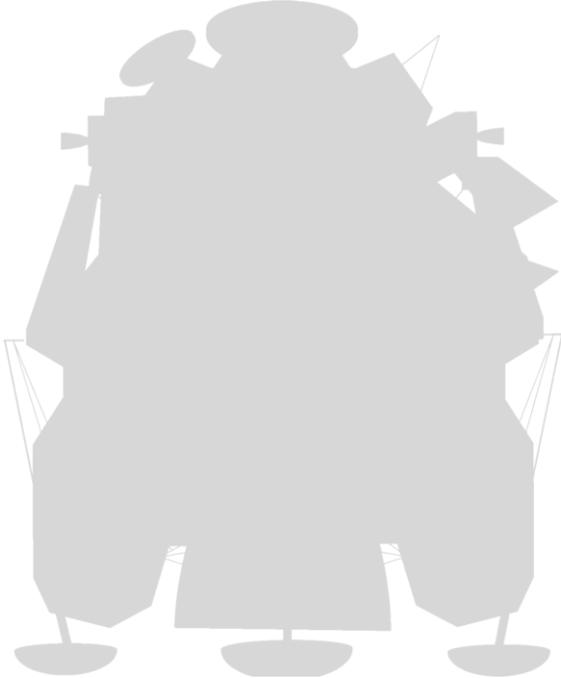
Payload Delivery

The Rover

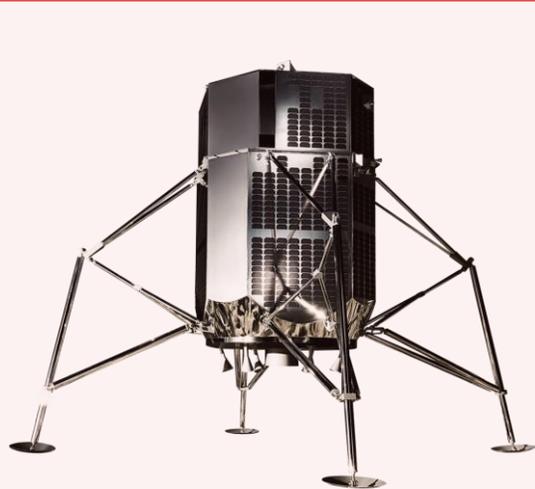
Explores the Moon's Surface

Small, Low Cost, High Frequency

Lunar Lander



 Apollo Lunar Lander

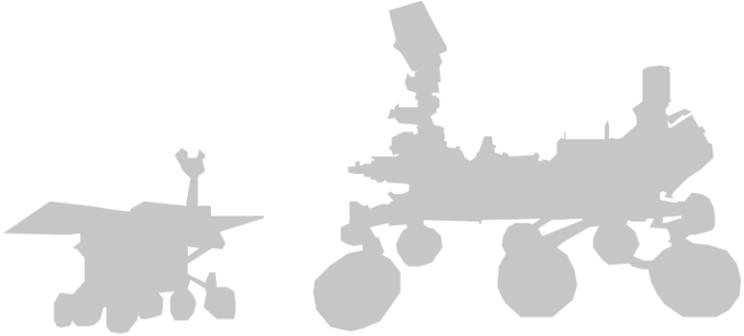








Lunar Rover



 Yutu

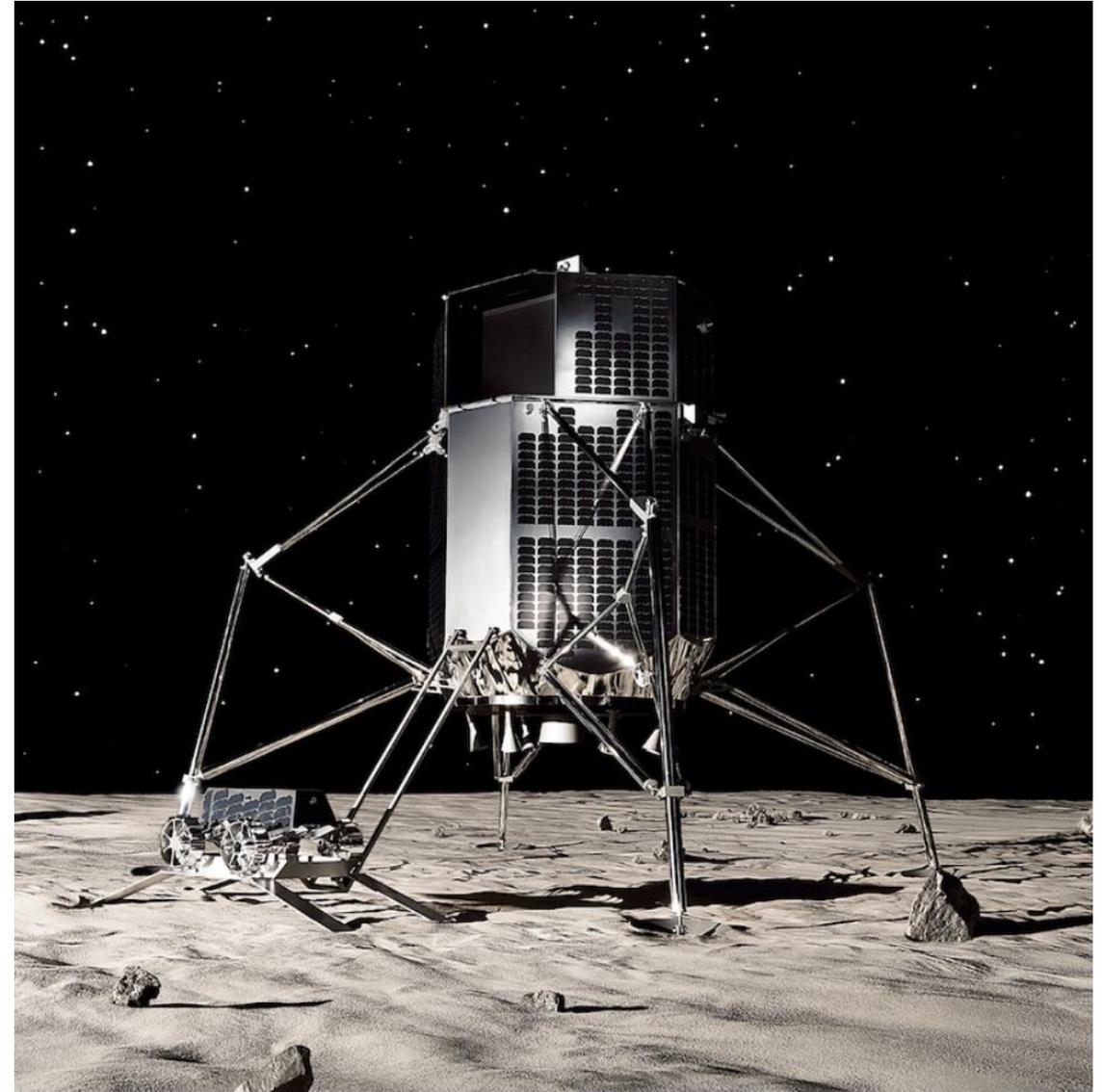
 Curiosity

\$94.5 Million Series A Funding

- Record-largest Series A investment in Japan
- Financing for lunar lander development and Mission 1 & 2



*USD/JPY exchange rate Feb 2018





HAKUTO-R



M1

launch lunar orbit



M2

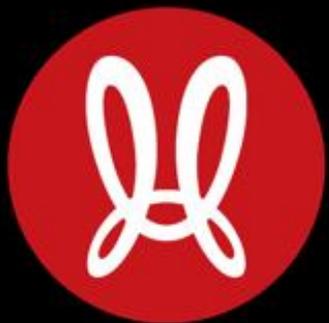
Moon landing

2019

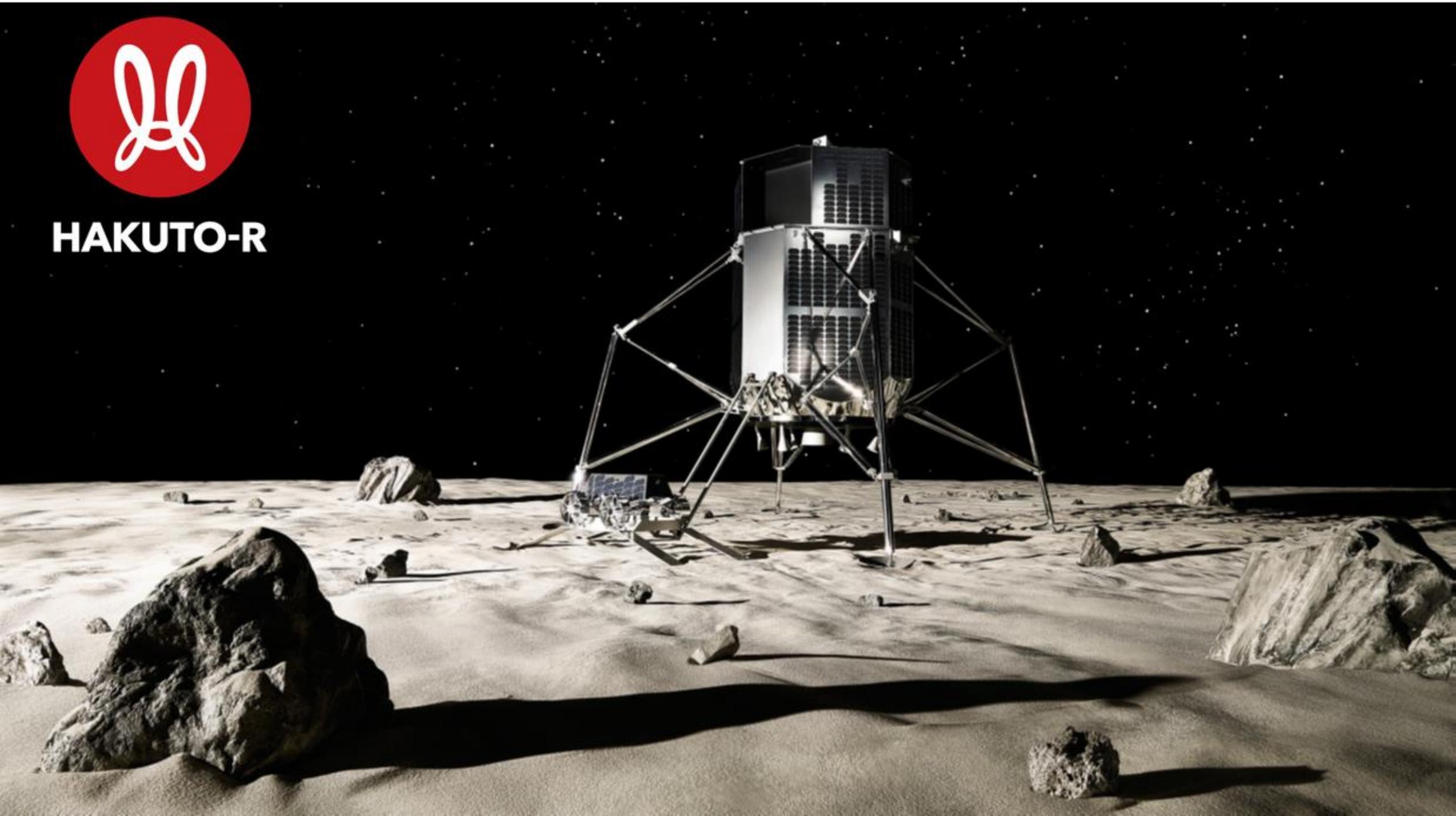
2020

2021





HAKUTO-R



NASA LUNAR EXPLORATION



Commercial Lunar Payload Service (CLPS) ✓ Procurement of transportation service, 10kg~200kg payload size
✓ \$2.6B budget for 10 years

SMALL COMMERCIAL
LANDERS
2019 ONWARD

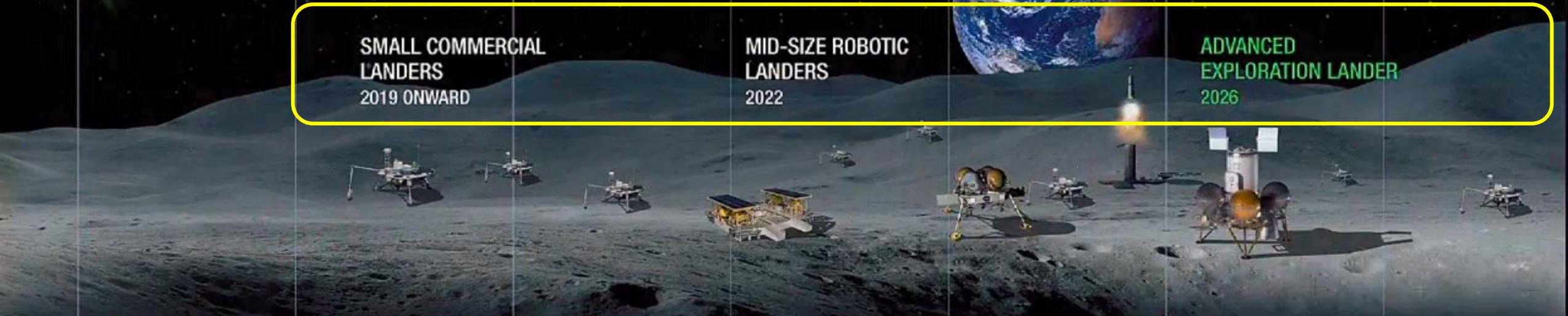
MID-SIZE ROBOTIC
LANDERS
2022

ADVANCED
EXPLORATION LANDER
2026

2018

2022

2026



Thank you

i s p a c e