

MOON
EXPRESS

Moon Express 2017

A Private Mission to the Moon

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Star Date 160413.75

We Live on a Finite World with Limited Resources

**Exponential forces
are straining our
finite resources
and biosphere**

**Earth's finite
resources alone
will not sustain us
or support our
global needs for
future growth**

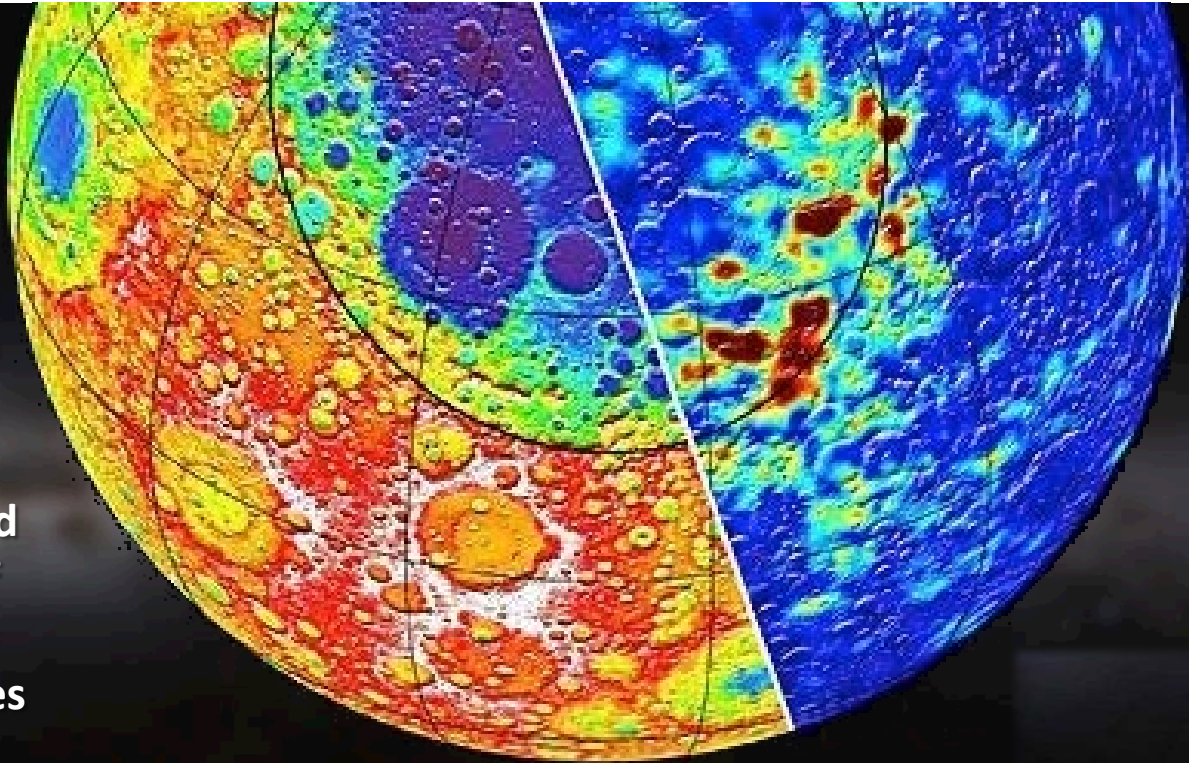


**Humanity must
begin its evolution
into a multi-world species**

There Are Vast Resources on the Moon

The Moon is our 8th continent – an ore body with a vast repository of precious metals and minerals

The Moon is a child of Earth, devoid of life but rich in untapped resources

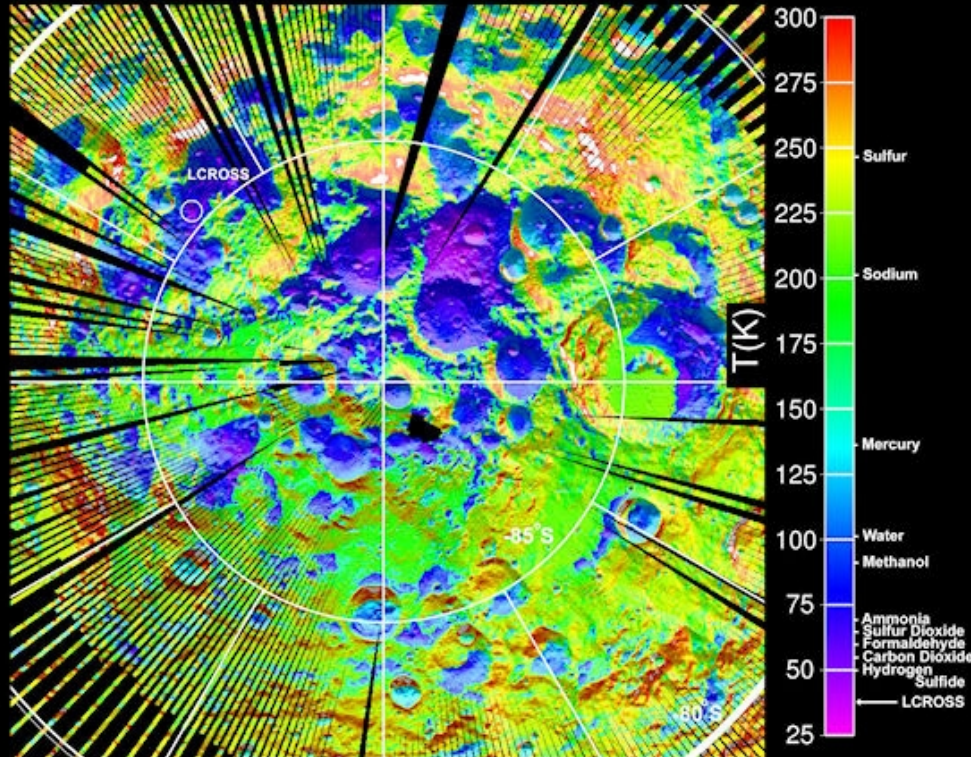


*Platinum
Uranium
Titanium
Thorium
Silver
Gold
Iron
Gems
Silicon
Oxygen
Calcium
Hydrogen
Potassium
Aluminum
Magnesium
Phosphorous
PGM's & REE's*

Water is the Oil of the Solar System

The discovery of water on the Moon is a game changer

Permanently shadowed craters on the Moon are “Cold traps” for frozen water



Water is the 1st precious lunar resource

Water is the oil of the Solar System

Moon Express – A Lunar Odyssey

Moon Express is a **commercial space company** pursuing massive economic opportunity in **lunar resources** with profitable on-ramps of **robotic spacecraft** products & services using **exponential technologies**.



We are **partnered with NASA** and a leading contender in the **\$30M Google Lunar XPRIZE** challenge.

The Problem



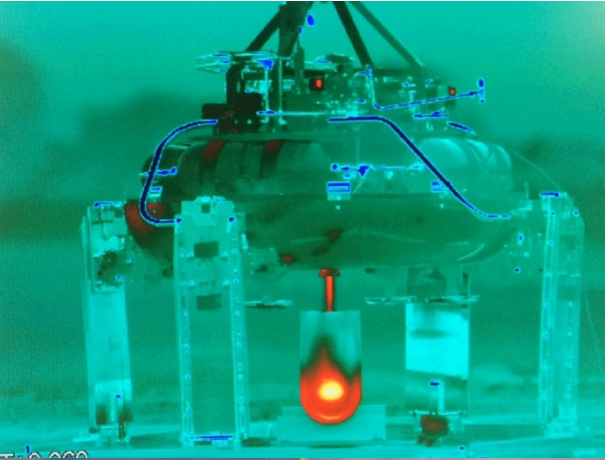
**The Moon is a Destination
Needing Affordable
Transportation**

Our Mission



**To Collapse the Cost of Lunar
Access and Unlock the Moon's
Resources for the Benefit of Life
on Earth**

Starting with Micro-Landers



Market Entry Strategy



- 1. PROVE WE CAN GET THERE:** Be the 1st private company to reach the Moon. Win the Google Lunar XPRIZE. (2017)
- 2. PROVE WE CAN GET BACK:** Bring back Moon rocks & lunar dust. Establish & codify commercial precedents. (2020)
- 3. BUILD DISRUPTIVE SPACECRAFT:** Start small and scale to market with innovative full cycle mission products.
- 4. PARTNER WITH NASA:** Build relationships with NASA but not dependencies. Offset costs and make them a customer.

We Have 5 Launches Contracted With Rocket Lab Starting in 2017



**We have a signed launch contract with
Rocket Lab for 5 launches starting in 2017**

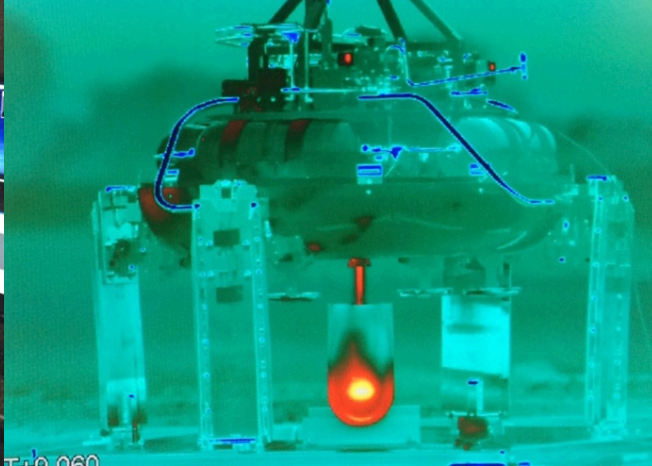
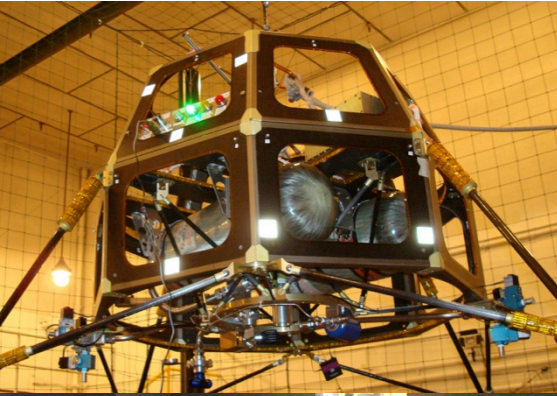
We have two launches manifested in 2017

**Our goal is our 1st soft landing on the Moon
the 1st half of 2017**

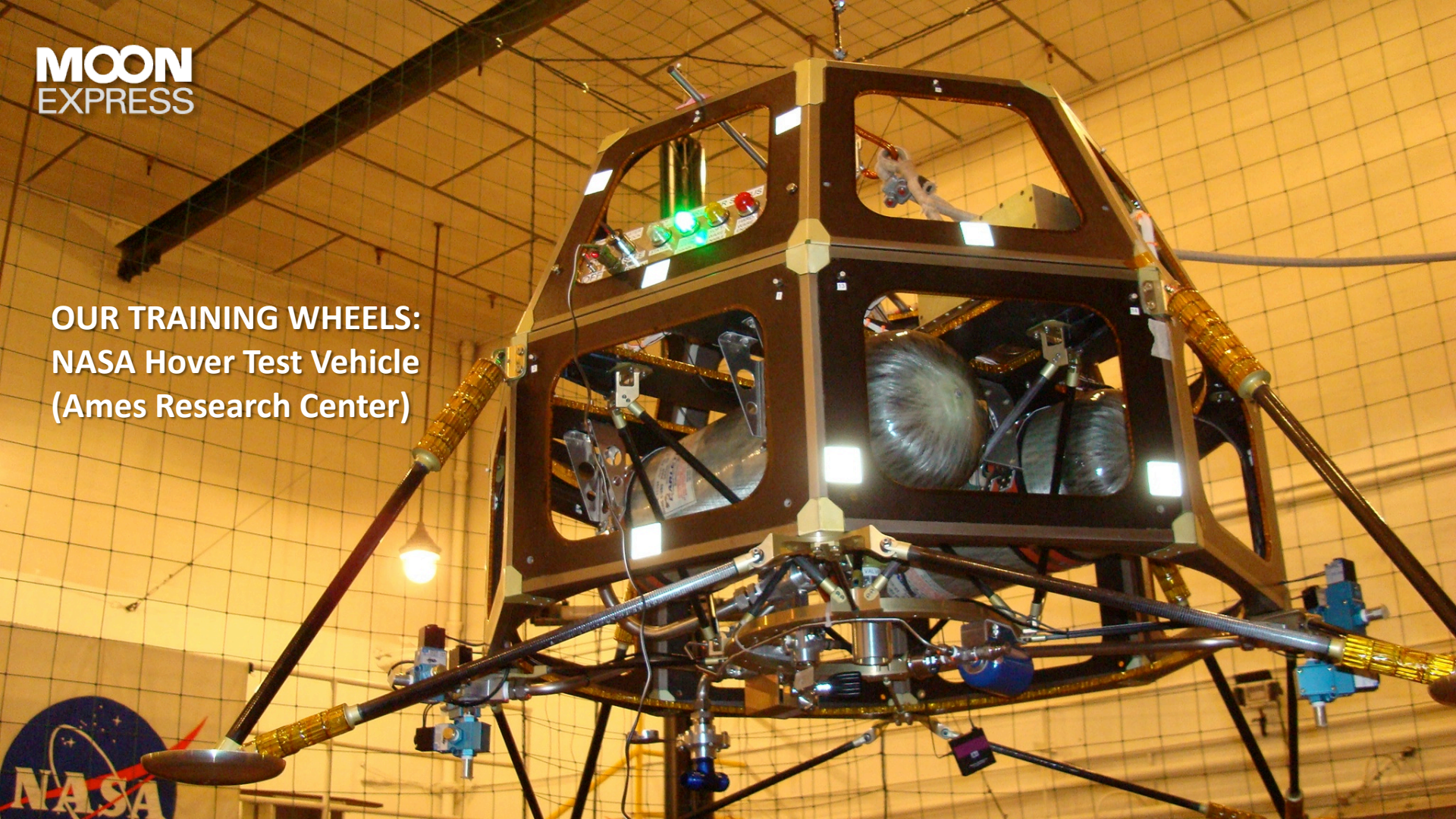
And by 2020, we will come back.



PROGRESS TO DATE



**OUR TRAINING WHEELS:
NASA Hover Test Vehicle
(Ames Research Center)**





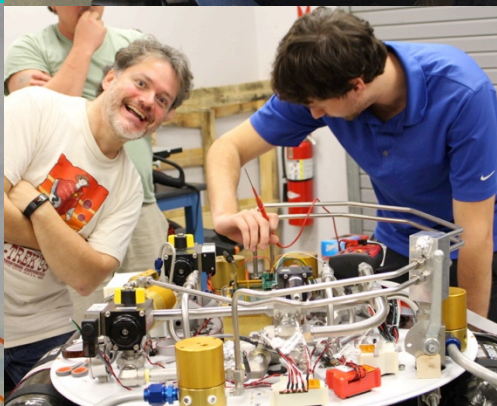
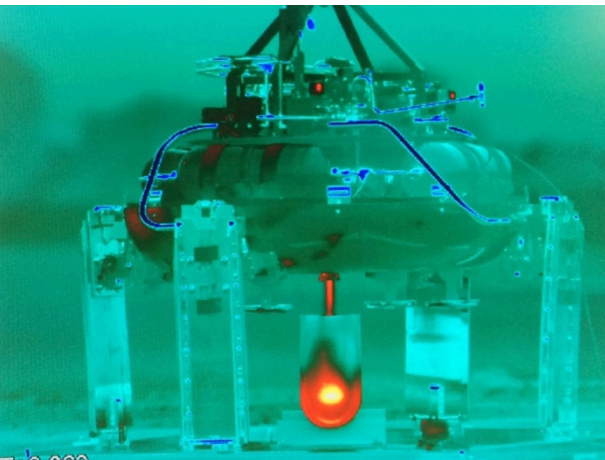
We Got Our Drivers' License on
NASA's "Mighty Eagle" Lander
(Marshall Spaceflight Center)

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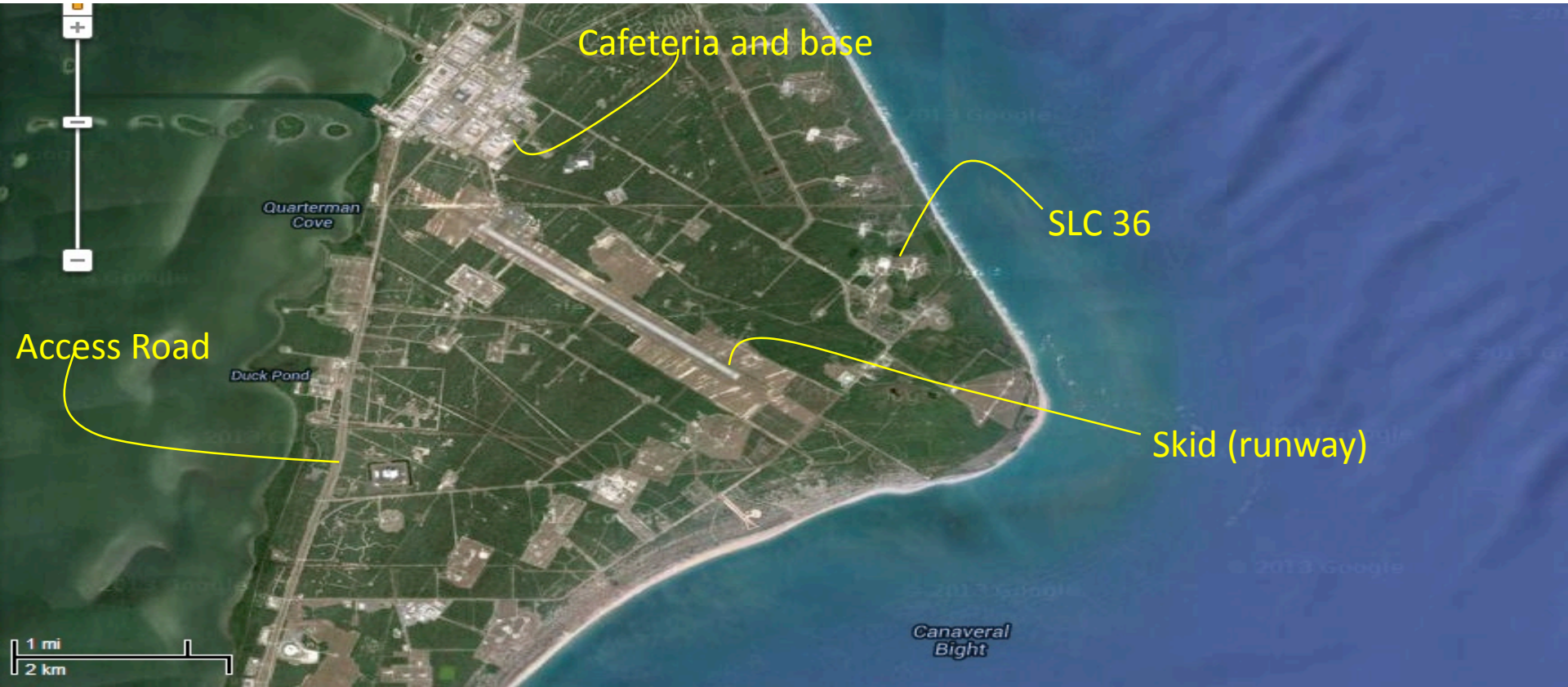
We Unveiled the “MX-1” at Autodesk University in Las Vegas on Dec 15th 2013



MX-1 Flight Tests @ KSC 2014 & 2015



We Have Leased Cape Canaveral Launch Complex 36A



We Share SLC-36 with Blue Origin



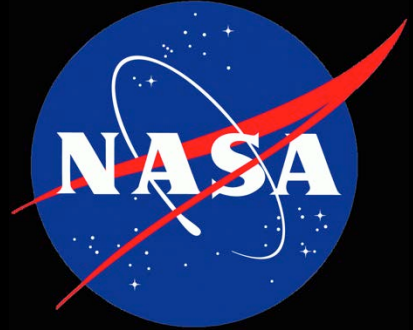
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We Are Partnered with NASA



Lunar **CATALYST**

Lunar Cargo Transportation And
Landing bY Soft Touchdown





**MOON
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We Return

