

Update on the Google Lunar XPRIZE

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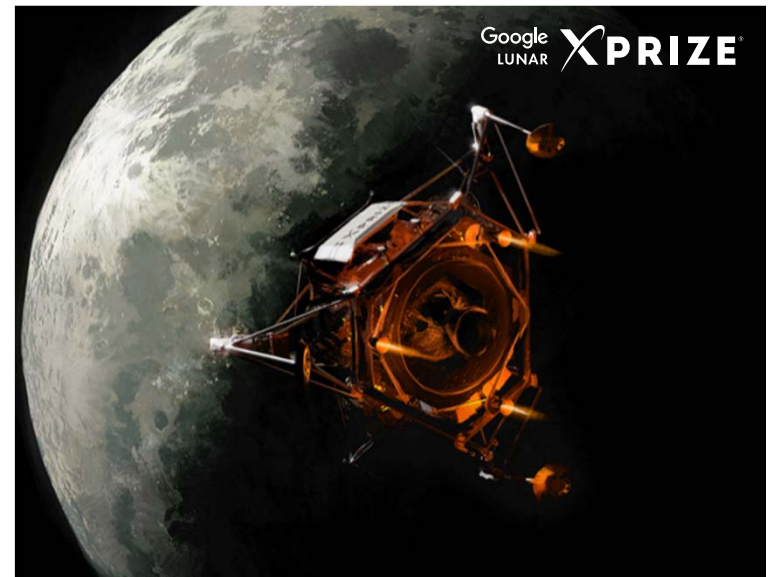
INTRODUCTION

The Google Lunar XPRIZE

- For first privately funded¹ team to:
 - Land on the Moon,
 - Move 500 meters, and
 - Broadcast back HD video “Mooncasts”
- \$30 Million Prize Purse:
 - \$20 Million Grand Prize
 - \$5 Million Second Place Prize
 - \$5 Million Bonus & Diversity Prizes
 - (Milestone Prizes² awarded in 2014: \$5.25M)

1. Teams can receive up to 10% government funding

2. The Milestone Prize awards will deducted from the eventual Grand or Second Place Prize winnings of the respective teams



Incentivize space entrepreneurs to create a new era of affordable access to the Moon and beyond

Inspire the next generation of scientists, engineers, space explorers, and adventurers

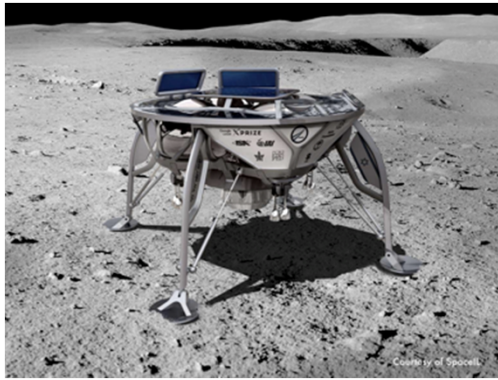
General Statistics of Registered Teams

- Number of Registered Teams: 16
- Teams by country/region:
 - USA: 5
 - Other Americas: 3
 - Europe/Middle East: 5
 - Asia: 3
- Cumulative Spend (July 2015):
 - US\$60.9 Million
 - 945 person years

Team	HQ Country
Euroluna	Denmark
Plan B	Canada
Part Time Scientists	Germany
PULI	Hungary
Team Italia	Italy
Spacell	Israel
SpaceMETA	Brazil
Angelicum Chile	Chile
Indus	India
Hakuto	Japan
Independence-X	Malaysia
Astrobotic	USA
Moon Express	USA
Omega Envoy	USA
STELLAR	USA
Synergy Moon	USA

SIGNIFICANT PRIZE UPDATES

Launch Contracts Verified



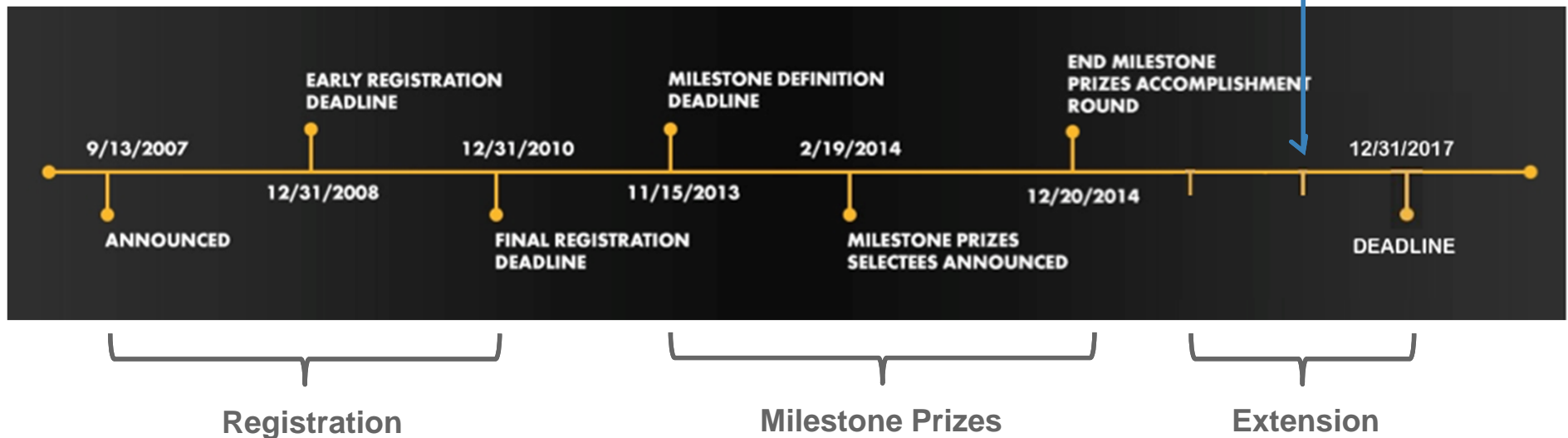
- Mission attempt in late 2017
- Contract signed with Spaceflight Inc.
- Launching on SpaceX Falcon 9
- Ride share with multiple other spacecraft



- Mission attempt in 2017
- Contract signed with Rocket Lab USA
- Launching on Electron (micro-launcher)
- Procured 3 launches, 2 for GLXP

Timeline Extension

- SpaceIL and MoonEx now have until end 2017 to complete their missions
- All other teams have until end 2016 unless XPRIZE verifies their launch contract



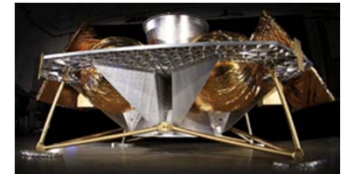
Part-Time Scientists Partner with Audi



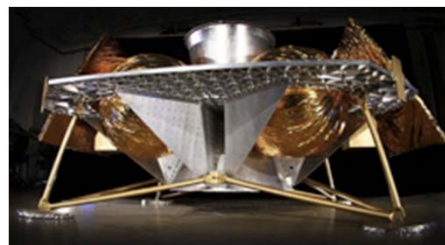
Hakuto Ride Share on Astrobotic Lander



Angelicvm Ride Share on Astrobotic



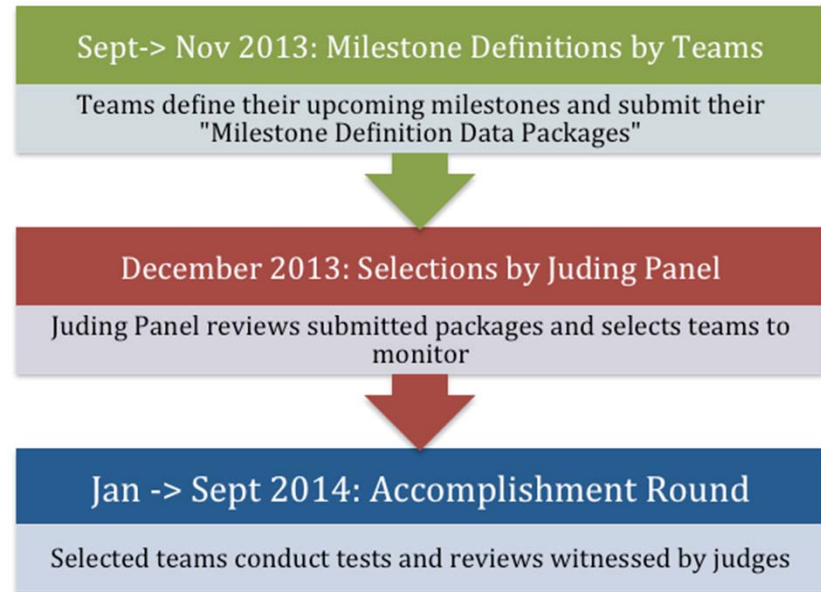
Astrobotic – Other Customers



THE MILESTONE PRIZES PROGRAM

Milestone Prizes: Objectives and Approach

- Guidelines were defined to reward teams for verifiable technical progress
- Incentivize teams to:
 - A) identify key technical risks, and
 - B) retire them via testing activities
- \$6 Million available
- Three technical categories;
 - Landing;
 - Mobility and
 - Imaging



Milestone Prizes: Judging Operations



XPRIZE Facilitated:

- 26 monitoring trips to 6 different countries
- 22 technical reviews
- ITAR Compliance



Milestone Prizes: Winnings

Landing (\$1 Million each)

Astrobotic (US)
Team Indus (India)
Moon Express (US)



Mobility (\$500,000 each)

Astrobotic (US)
Hakuto (Japan)
Part-Time Scientists
(Germany)



Imaging (\$250,000 each)

Astrobotic (US)
Moon Express (US)
Part-Time Scientists
(Germany)



Future Space Prizes

Road Mapping

Broadly speaking, the road mapping process will consist of the following key steps:

1. Identification of potential futures states of the space industry
2. Selection of desired states
3. “Back-casting” from those desired states to the present day
4. Identification of key technical challenges
5. Down-selection of prize-able technical challenges
6. Outlining of multiple prize concepts

Prize Design Workshop



THANK YOU.

**Visit:
lunar.xprize.org**