

No Risk, No Reward: The First Commercial Deep Space Mission



ASTRO
FORGE

Space Resources Roundtable 2023
XXIII Meeting
Colorado School of Mines
Golden, CO



A decorative background on the left side of the slide featuring a topographic map with yellow contour lines on a dark grey background.

PLATINUM GROUP METALS

High demand, low supply

\$60B

annual
consumption

19M

ounces of
annual demand

13yrs

until largest
platinum mine depleted



Current mining on Earth



60M tons CO₂/yr

<2.5% in the U.S.A.

- 10M Asteroids
- Less than 2 year round trip

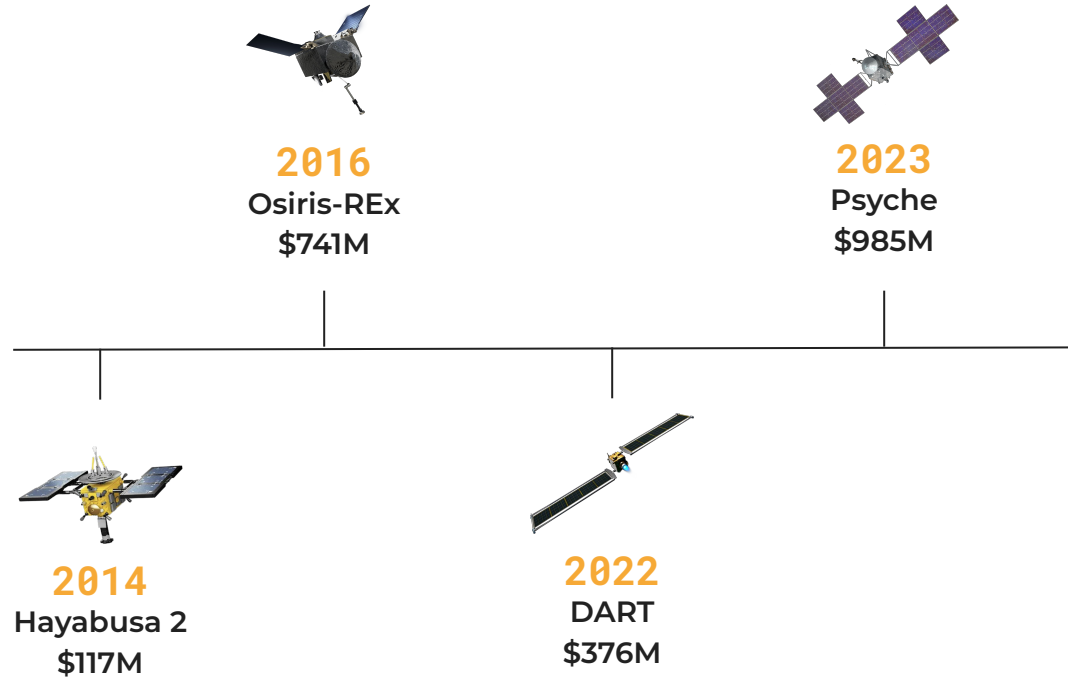


- 300k metallic asteroids

**Trillions of dollars
of metals are
trapped on asteroids**



High **cost** of asteroid missions

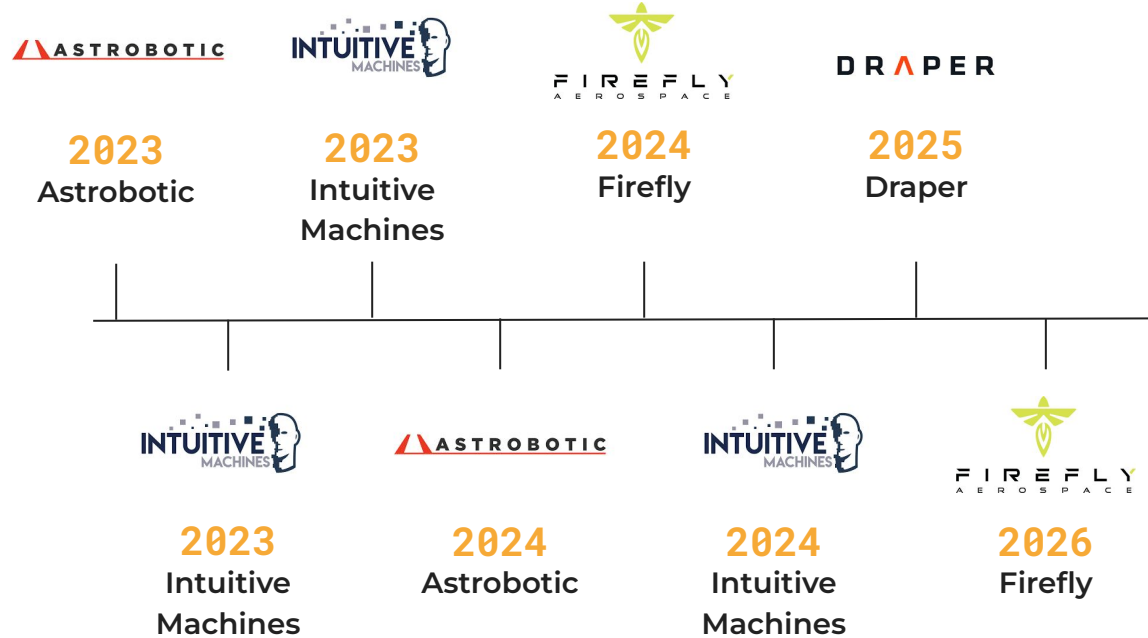




LAUNCH

Low-cost access to **high energy** launches

Commercial Lunar Payload Services (CLPS) Missions



A person wearing a white cleanroom suit, a blue face mask, and blue gloves is working on a satellite component. The component has a grid of solar panels. The background is a cleanroom environment with other equipment and a person in the distance.

VEHICLE

Satellite market
comprises **70%** of
space industry





INVESTMENT

\$10B total annual
investment in
space sector



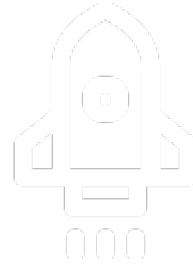


ASTEROID INSIGHT

**Greater than 50% of
known NEAs were
discovered in last six years**



Why now?



**Lower
launch costs**



**Affordable
satellites**



**Private Funding
Support**



**Greater
asteroid data**

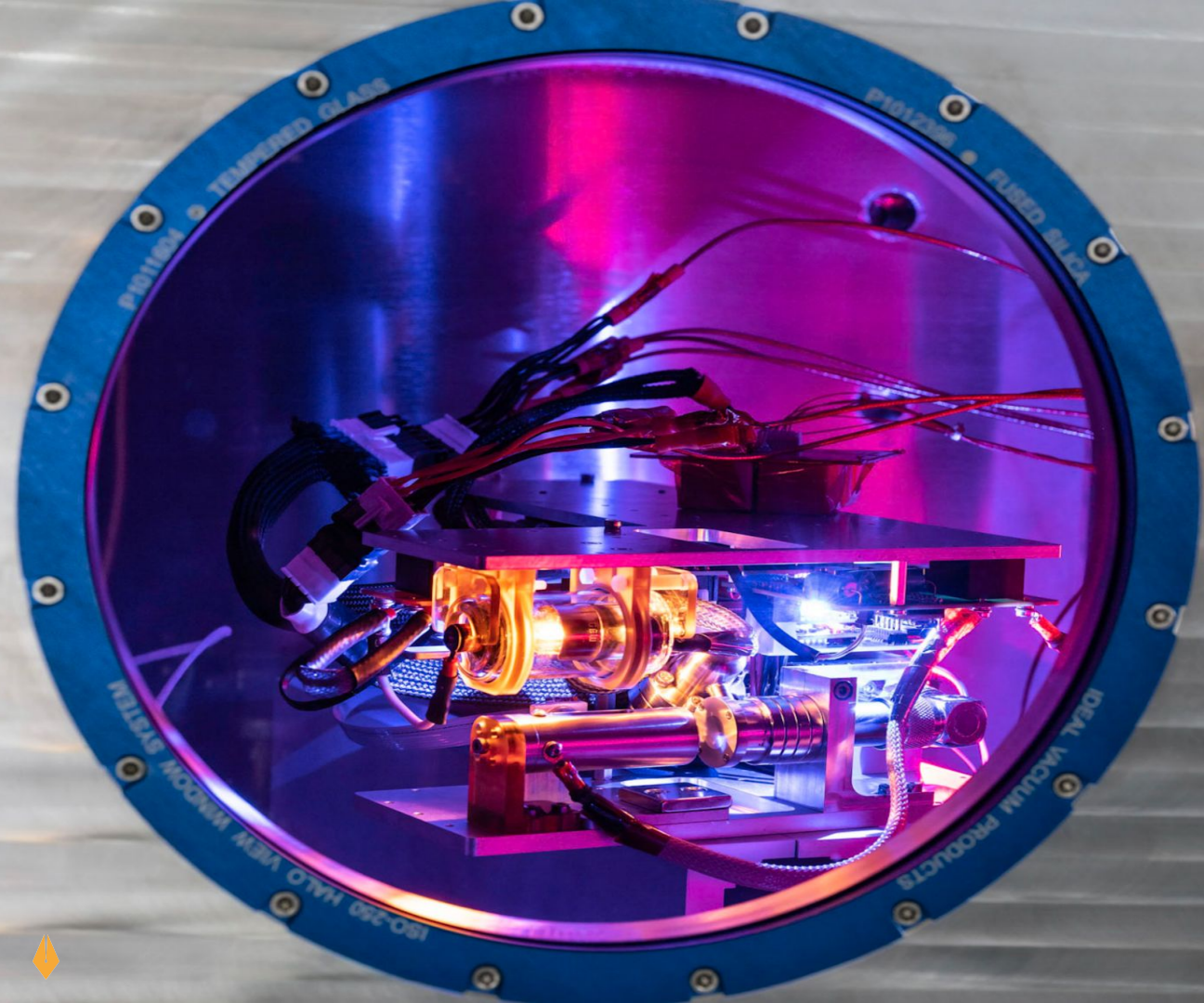




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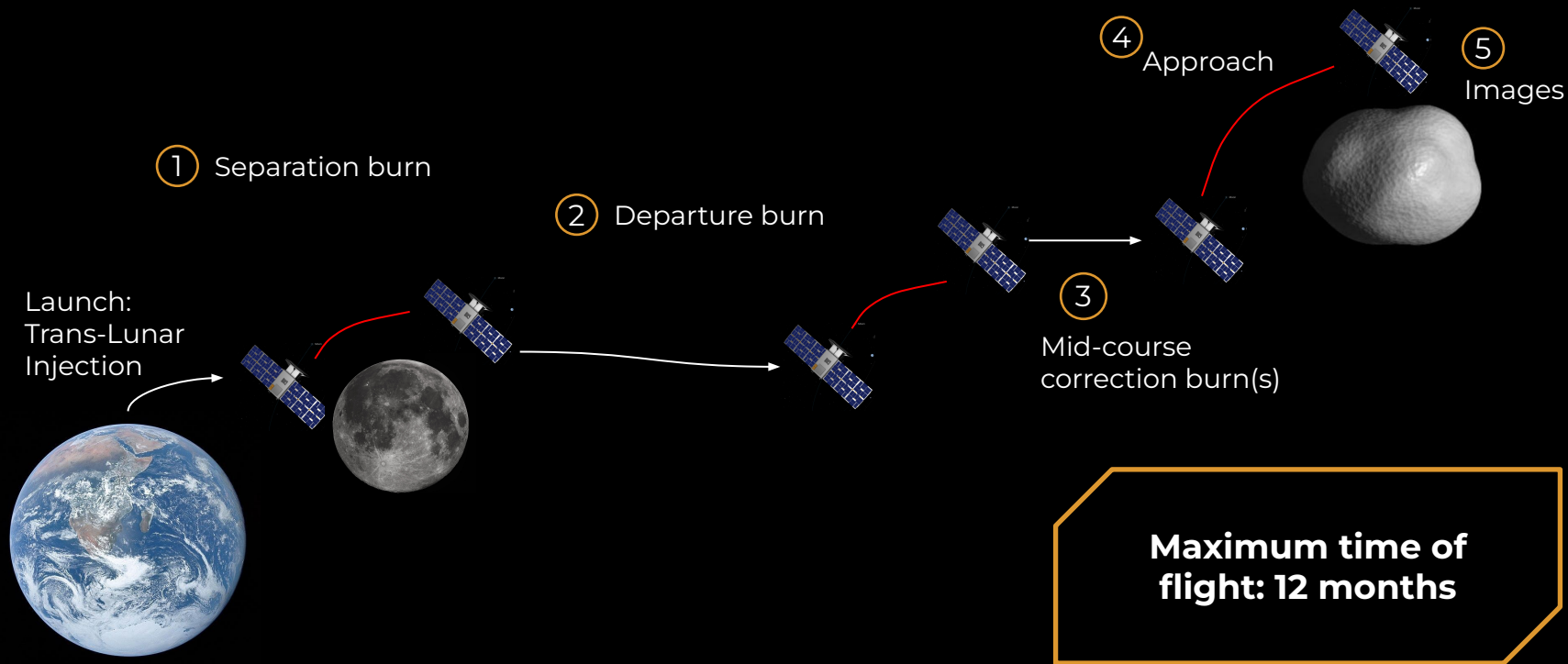
Take risk
Get the **reward**





First refinery in-space

Mission profile



First commercial asteroid mission

BROKKR-2 MISSION

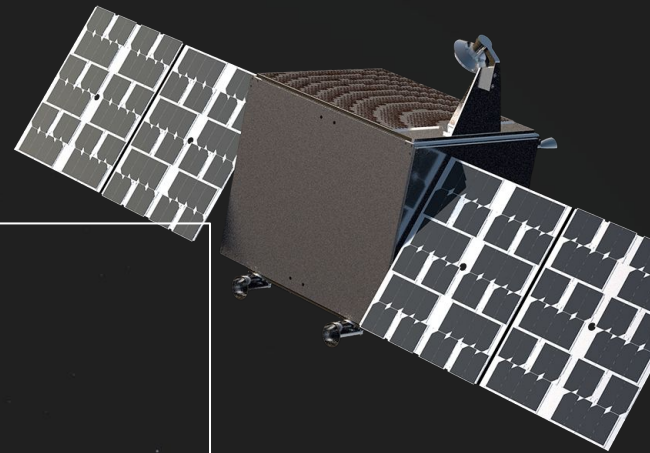
LAUNCH

+

VEHICLE

TOTAL

\$6M



**Scheduled to launch
November 2023**



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Contact: founders@astroforge.io for more information
Thank you!

