




**ASTRUM DRIVE**

TECHNOLOGIES



What is the biggest enemy of space exploration?



# The biggest enemy of Space is the Fuel

- ✗ Insufficient fuel is the reason our satellites die after just 5–10 years of service
- ✗ Fuel is the reason it takes 12 years to reach Neptune or Pluto
- ✗ Fuel is the reason we can't mine asteroids, and why sending humans to other planets remains a distant dream

A futuristic red sports car is shown from a low angle, with an astronaut in a white suit and helmet sitting in the driver's seat. The car is positioned in the foreground, and the background features a large, curved view of the Earth from space, showing blue oceans and white clouds. The scene is set in a dark, outer space environment.

Why don't we use electric motors in space?



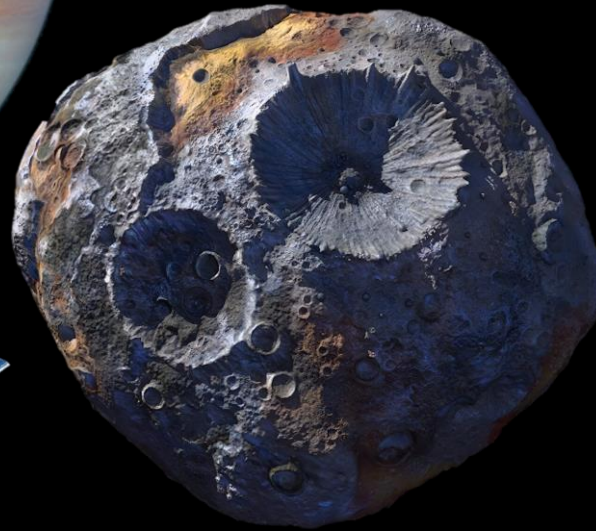
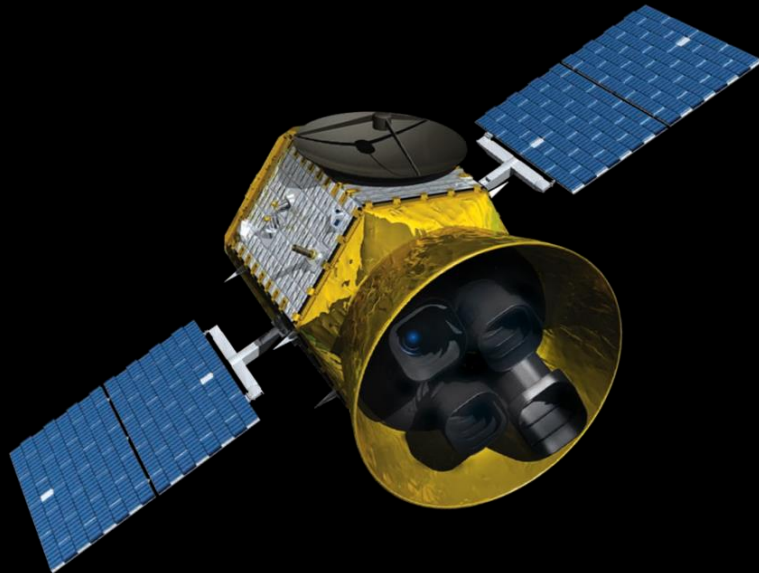
# New process to convert electricity to thrust to move freely in space



- ✓ Based on Einstein's 1930 patent
- ✓ Uses advanced thermodynamics
- ✓ TRL 6 with several working prototypes
- ✓ Fully patented and published
- ✓ Constant acceleration of 50mN, which is enough to reach the most planets in less than a year

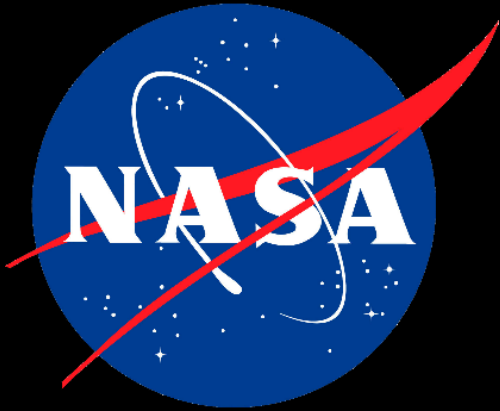
# The Impact - No Fuel. No Boundaries

- ✓ Disrupt the \$200B satellite propulsion market
- ✓ Retrofit expiring satellites
- ✓ New military capabilities, such as dynamic orbital manoeuvring
- ✓ Enable new industries: asteroid mining and deep space human travel
- ✓ Moving mining to space could reduce Earth's CO<sub>2</sub> emissions by 20%





# Active Collaborations with Industry Leaders



ENDUROSAT



"Neither chemical nor solar powered propulsion will work well for long duration missions in deep space. The drive's capability to stack for additive thrust further enhances its scalability across various mission sets."

Gwynne Shotwell  
President and COO  
SpaceX



# Next Steps, The Ask

We need **\$5–10M** to demonstrate the technology in space.

After that, we anticipate the company's value to exceed \$500M+, based on comparable companies.

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