



Asteroid Mining

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Overview

- What is Asteroid Mining?
- History of Asteroid Mining
- Plan and implementation

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- Pros
- Cons
- Summary
- References

What is Asteroid Mining

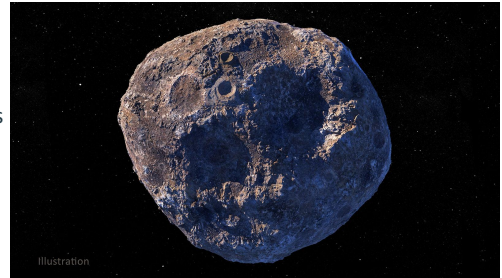
- Asteroid Mining is taking the materials from asteroids, other planets, and other near earth planets.



(none)

History of Asteroid mining

- 1969-1972 Nasa takes back Moon rocks
- 2005 Hayabusa recovers dust samples from Asteroid
- 2015 US Space-Mining law encourages private companies
- 2016 Luxemburg brings together space companies



Nasa takes back 2,200 samples back from the moon (first asteroid mining)

Plan and Implementation

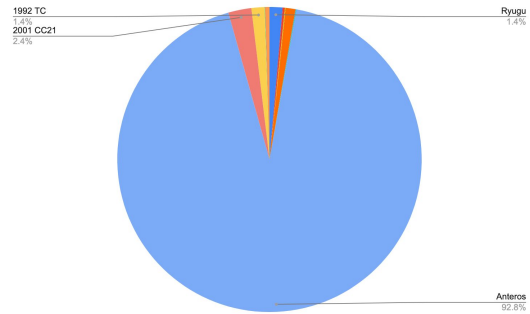
- The Asteroid would be mined using reusable rockets and drills
- Tunnels mined like on earth
- Scrape materials off the asteroid
- Use canopy as material fly off
- Equipment must be lightweight

This equipment could be used as to deflect or nutrillized asteroids that come to kill life on earth aswell and asteroid mining

How much are they worth?

How much the asteroids are worth

- Anteros - 5.57 Trillion USD
- Ryugu - 80 Billion USD
- 16 Phyche - 27 Billion USD



Anteros is a behemoth of how much it costs as it cost 5.57 Trillion USD

How much does it cost?

- According to NASA - 2.7 Billion USD
- Varies on how far
- Manned missions require food
- Examining asteroids required



The cost as been estimated by Nasa for an asteroid that is nearly 500 tons and 7 meters tall.

Positives

- More resources brought from space to make things
- Makes resources cheaper
- Opens new market and specialized jobs
- Reduces impact on earth
- New technologies developed

Makes resources cheaper as there is more of them, you can make more things with the space copper and platinum.

Negatives

- The cost of materials goes down, less incentive to mine
- Competition between earth and asteroid mining
- Conflict in space

The conflict in space isn't something that would be between countries as per the 1962 space treaty, but between private companies and interest groups.

Summary

Asteroid mining holds many benefits that heavily outweigh the down sides of asteroid mining, Asteroid mining can reduce the impact on earth.

Asteroid min reeps more benefits that it gives drawbacks such as the prices and new job openings improving, and the new technology that could be used for other space endeavors such as colonization.

References

[History](#)

[How Asteroid mining](#)

[General Knowledge](#)

[Cost of Asteroids](#)