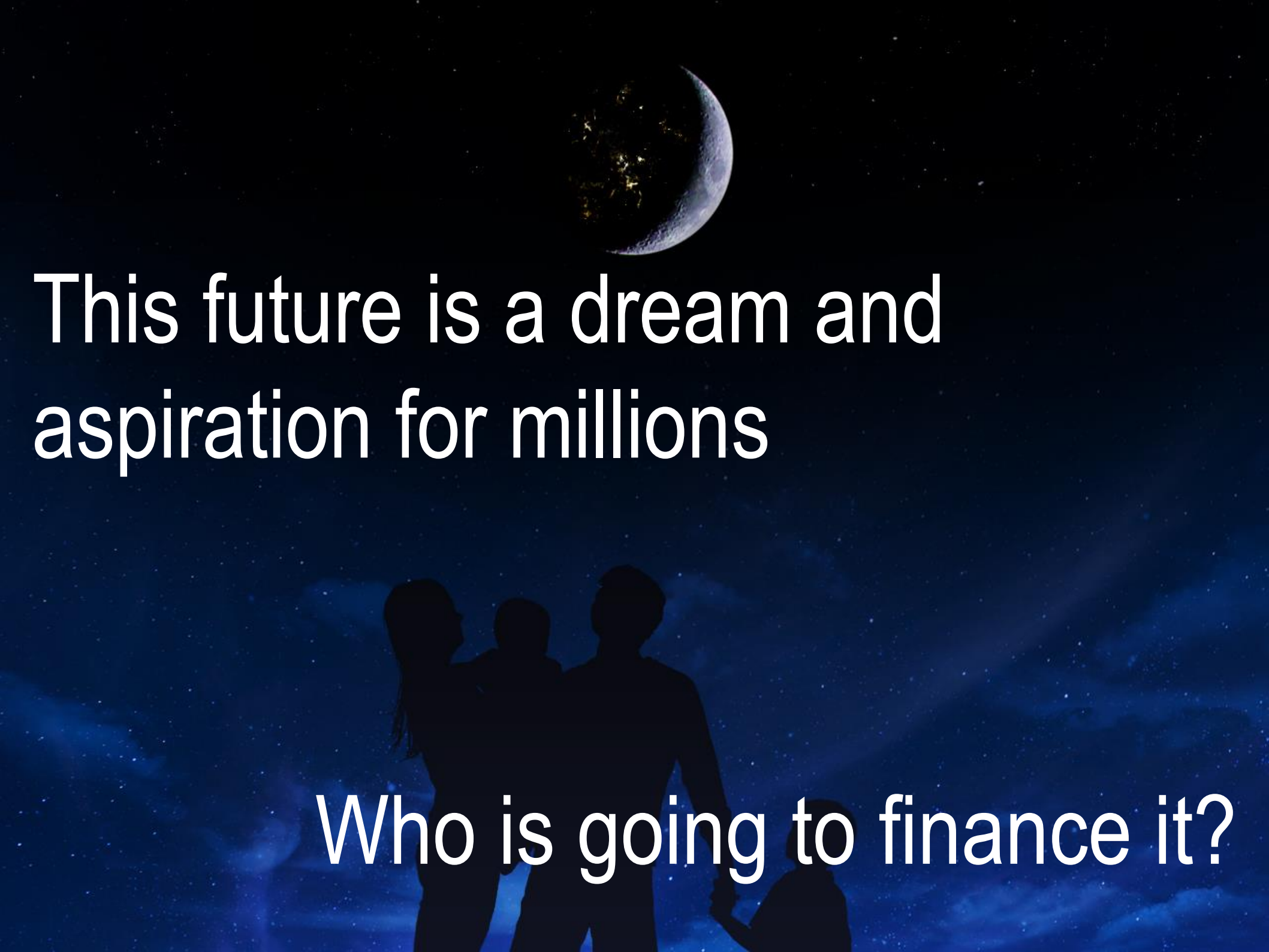




FinTech, Blockchain and Impact Capitalism: Leveraging New and Old Finance in Support of Space Development

Jason Aspiotis, Founder & CEO, Finsophy Inc.
Space 2.0 – April 5th 2018

THE PROBLEM

The background of the entire image is a deep blue, star-filled space. In the upper center, a crescent of the Earth is visible, showing city lights and landmasses. In the lower center, the dark silhouettes of a family—a man, a woman, and two children—are shown from behind, looking up at the Earth. The text is overlaid on this scene.

This future is a dream and
aspiration for millions

Who is going to finance it?

A dark, moody image of Leonardo DiCaprio from the movie Inception. He is wearing a dark suit and a red tie, sitting at a desk. He is holding a US dollar bill in front of his face with both hands, looking directly at the camera with a serious expression. The background is dimly lit, showing a framed picture on the wall and a computer monitor on the right.

***“Jason, it’s not that the world doesn’t
have money.***

We have plenty.

***We just don’t know how to use it to do
good things.”***

Beyond Earth Orbital (BEO): Funding Gap

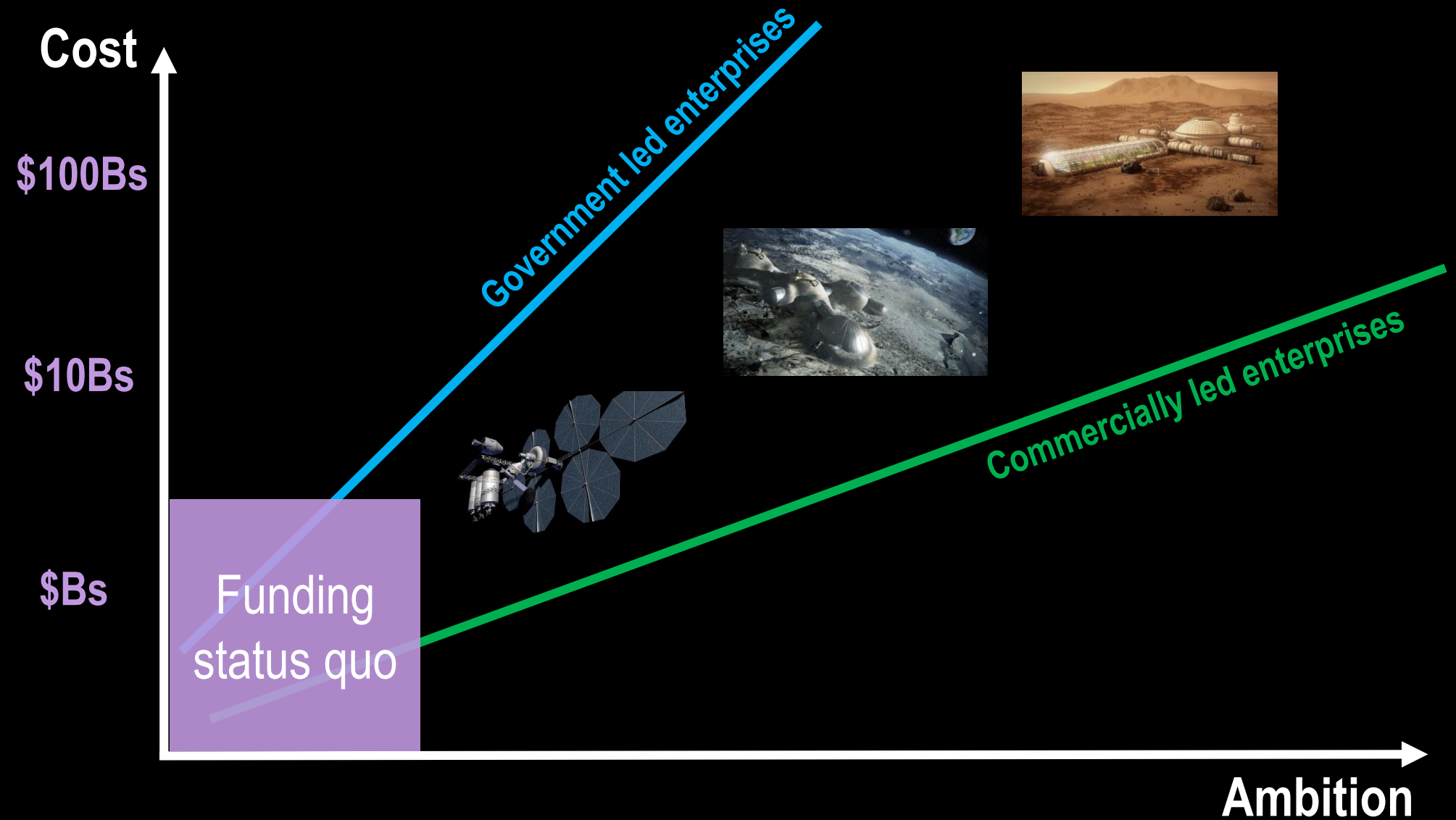
FUNDING

Steal Underpants
Launch Satellites
Send Cargo and Astronauts to ISS
Kickstarter
Profit

Flamethrowers!?!?!?



Beyond Earth Orbit (BEO): Funding Gap



Some context...

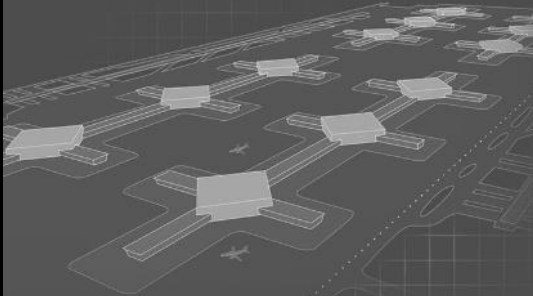
~\$241T of wealth worldwide
(at least \$35T is liquid)

\$20B Lunar base <0.01% of total wealth

\$100B Martian base <0.05%

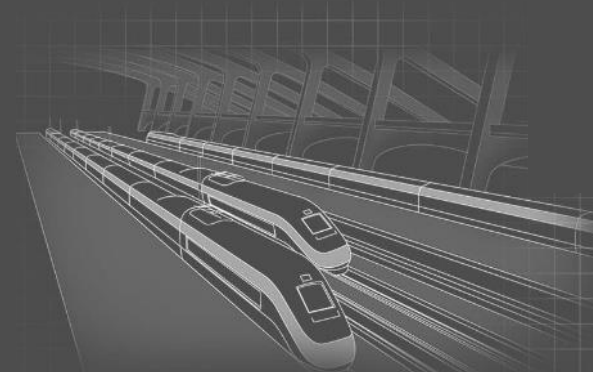
Other “mega projects”

AL MAKTOUM INTERNATIONAL AIRPORT



\$82B

CALIFORNIA HIGH-SPEED RAIL

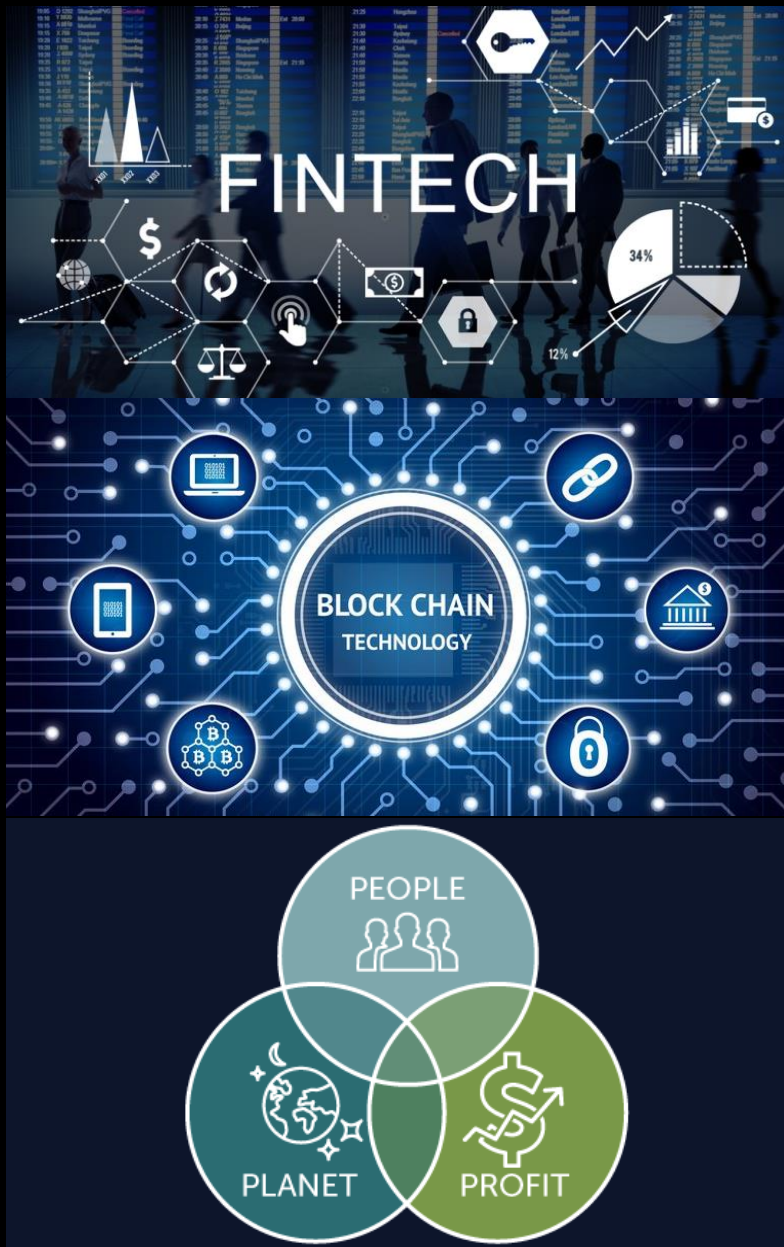


\$70B



THE CHANGING TIDES

Forces of change in finance



Digital
Democratization
Accessibility

Trust
Transparency
Accountability

Mission
Purpose
Ethics

Brief history in FinTech



Why should we care:

- i. More private capital is becoming available
- ii. Technology is eliminating the barriers of capital silos

Still confused about **Blockchain**?

Clue: it has nothing to do with Bitcoin

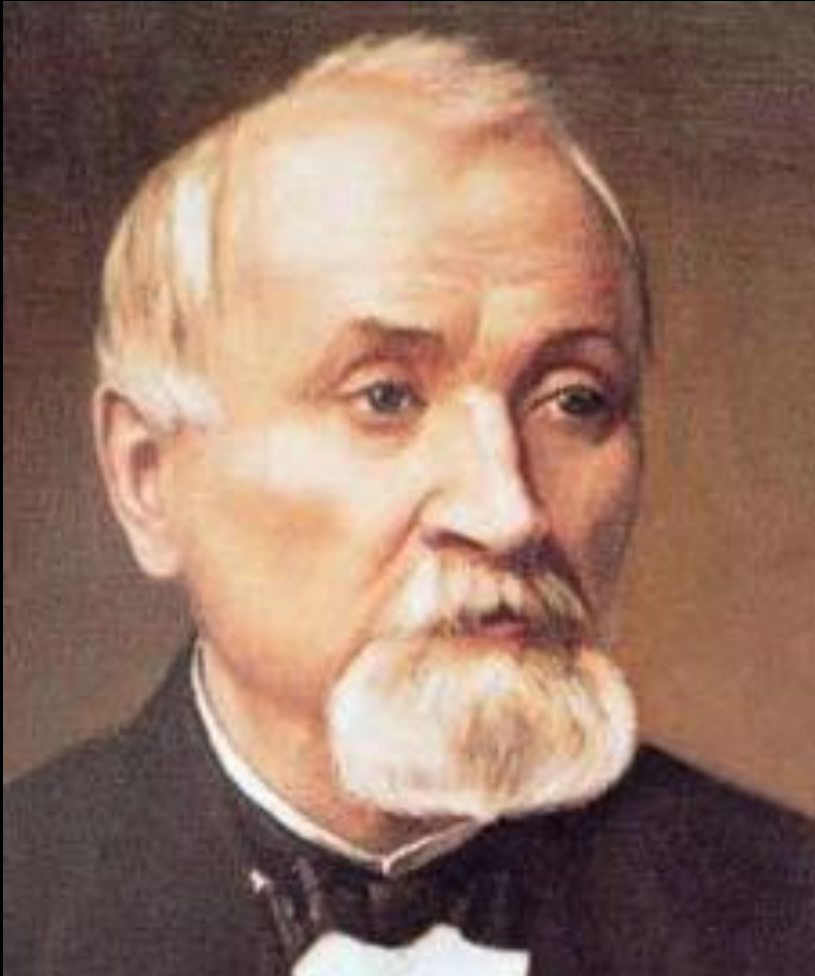
What's the big fuss about?

- Distributed ledger → Multi-user & dynamic DB
- Immutability → Trust
- Decentralized → No middle-men

Why should we care:

- i. Digitizing intangible IP
- ii. Risk management
- iii. Codify supply & demand for BEO





Franz Hermann Schulze-Delitzsch
Founder of Co-operative banking /
Credit Unions (1850s)

Impact capitalism

72M
Millennials

66% seek
alignment
with values

89% are
concerned
about the
future

33% would
easily switch
financial
institutions

67% use
online
banking only



>\$30T
**intergenerational
wealth transfer**



SPACE CAPITAL 2.0

Financing BEO Space infrastructure

Status quo

Space
agencies

**Prone to
political swings**

Venture Capital

**BEO is too long
term for VCs**

Philanthropic

<1% of 0.1%

Institutional

**<<1% of assets
& focus on EO**

Financing BEO Space infrastructure

Status quo

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Philanthropic
<1% of 0.1%

Institutional
<<1% of assets
& focus on EO

New financing sources

**Sovereign
funds**

**Industrial
consortium**

**Government sponsored
enterprise(s)**

**BEO focused
institutional
capital**

**Government
backed
bond(s)**

**“Gross Interplanetary
Product”
(GIP) based currency**

Next 5 years

Next 10 years

Next 20 years

BEO Focused Institutional Capital (1/2)



SpaceVault

www.SpaceVault.world

BEO Focused Institutional Capital (2/2)

There's >\$35T deposit capital in the world!!

Others (as of 2018)

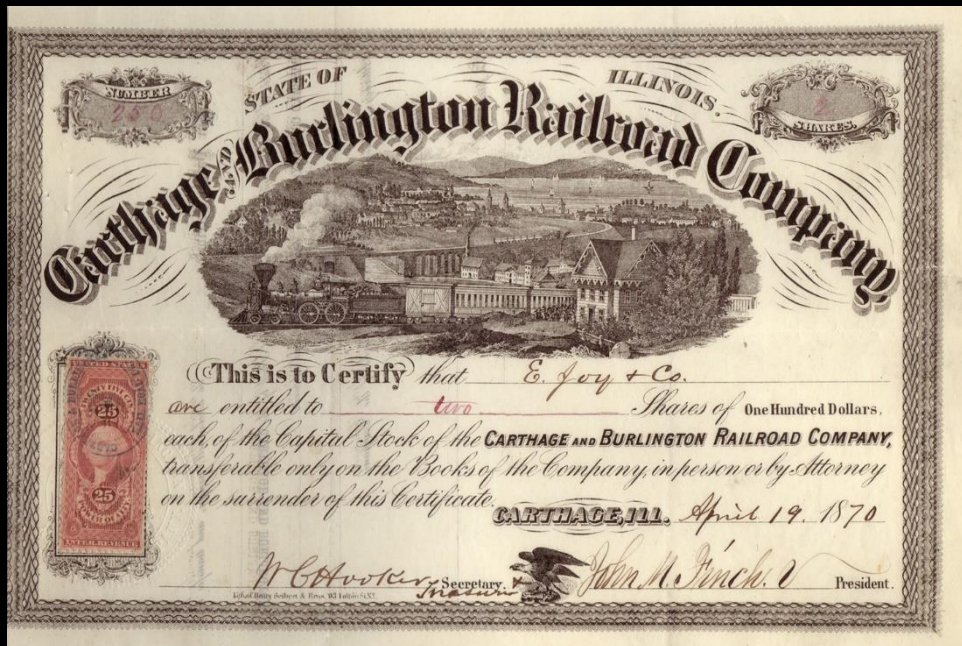


Others (in the near future?)

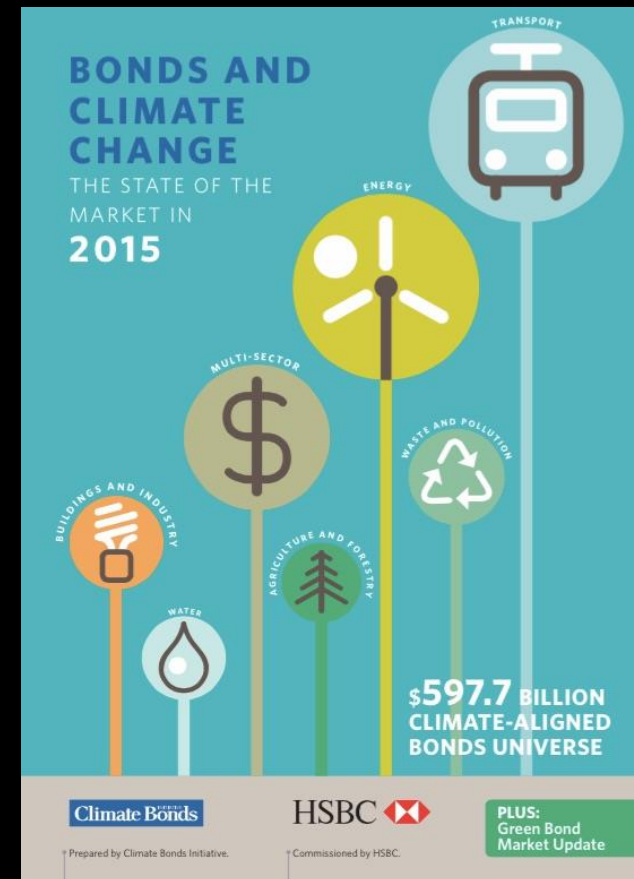


BEO Development Bond(s)

Lesson from history:
Railroad bonds ~10% of US
GDP in 1870 ~ **\$1.6T** today

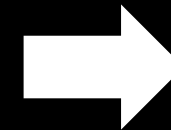
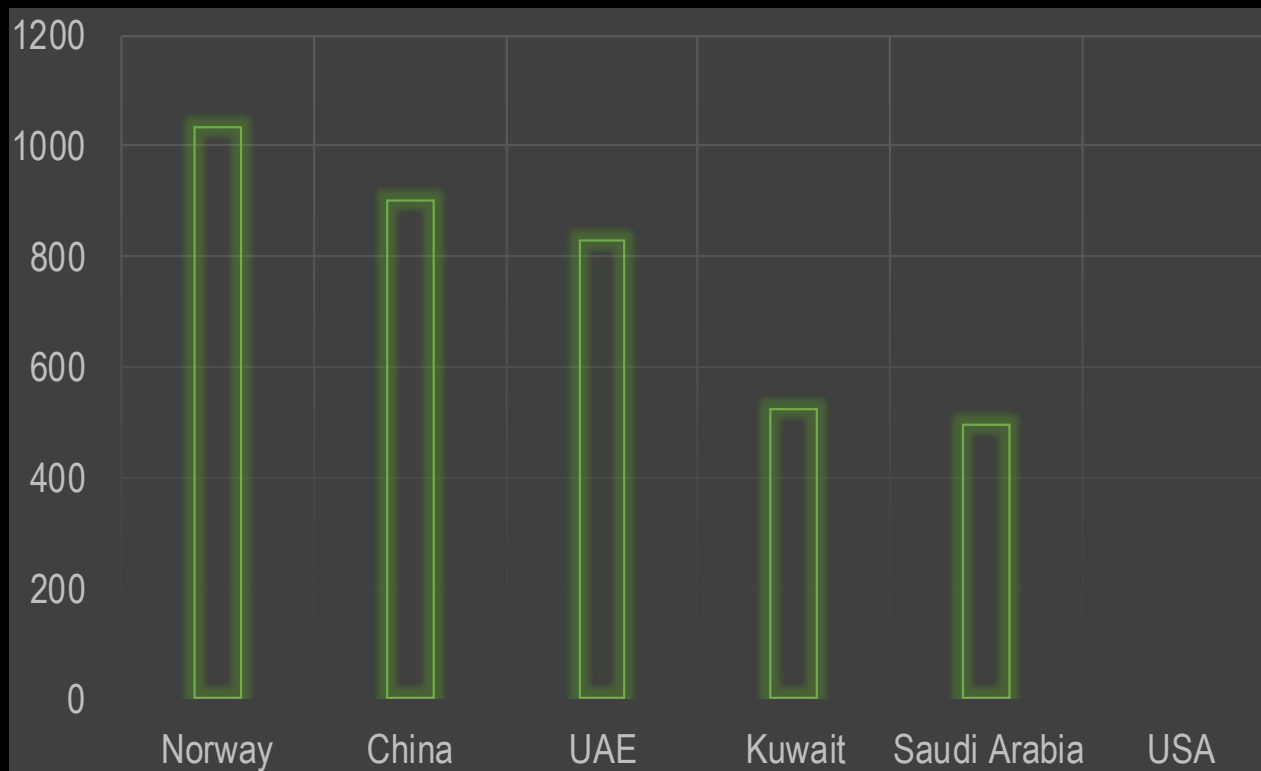


Lesson from **impact** capitalism:
>\$0.5T in **green** bonds



Sovereign Funds & GSEs

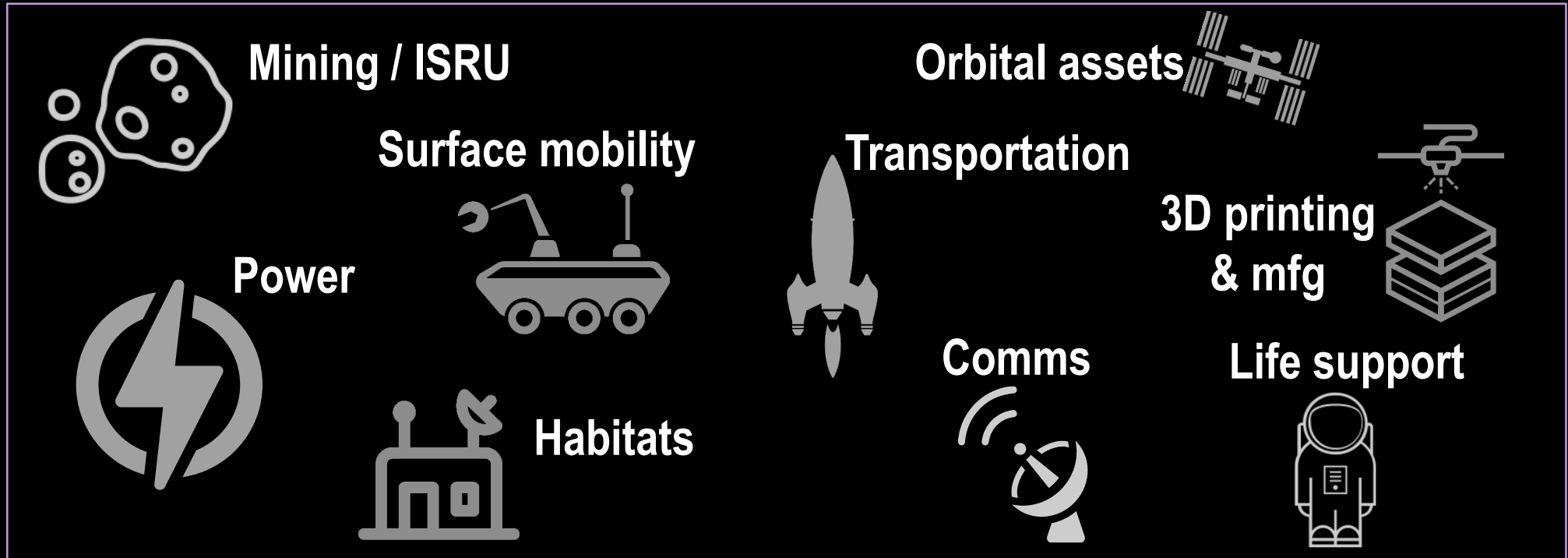
Global sovereign funds ~\$7.5T



BEO
Government
Sponsored
Enterprises
(GSEs)?

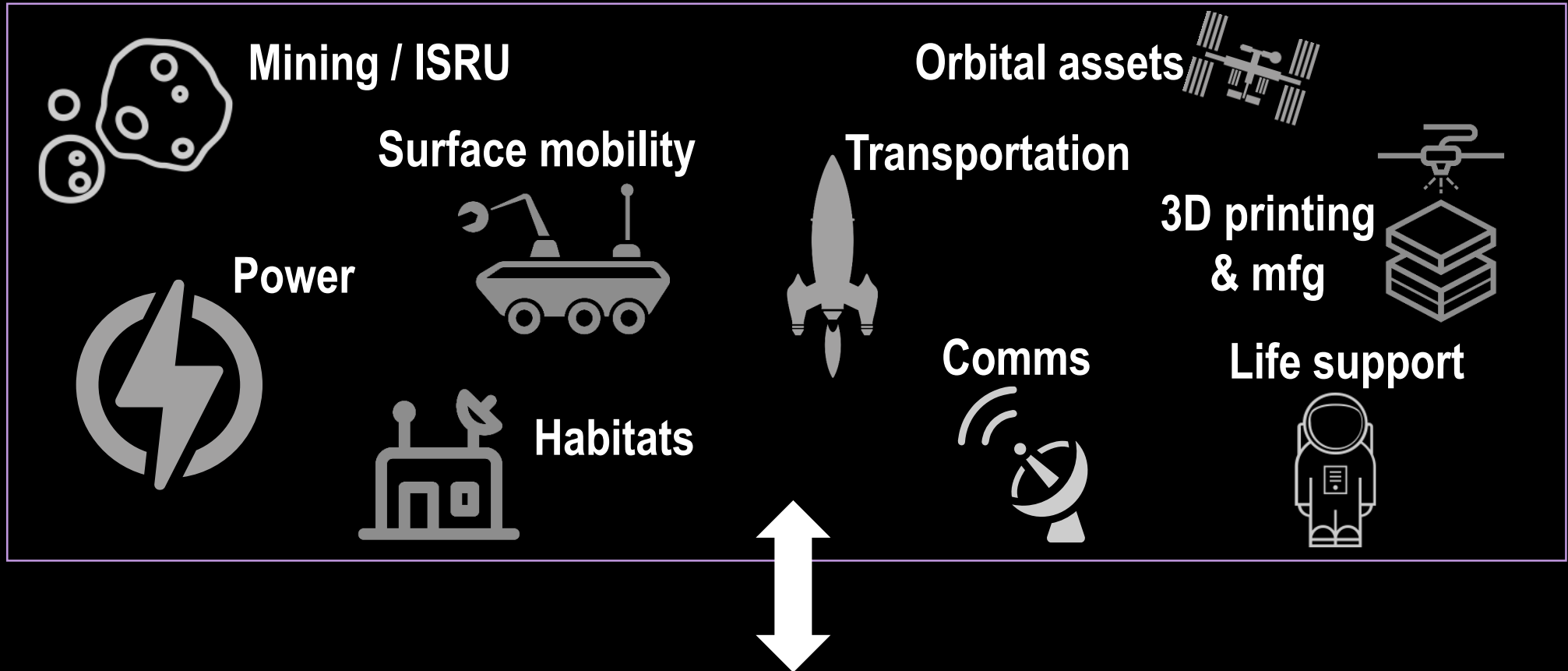
BEO Industrial Consortium

Vertically integrated industrial consortium



BEO Industrial Consortium

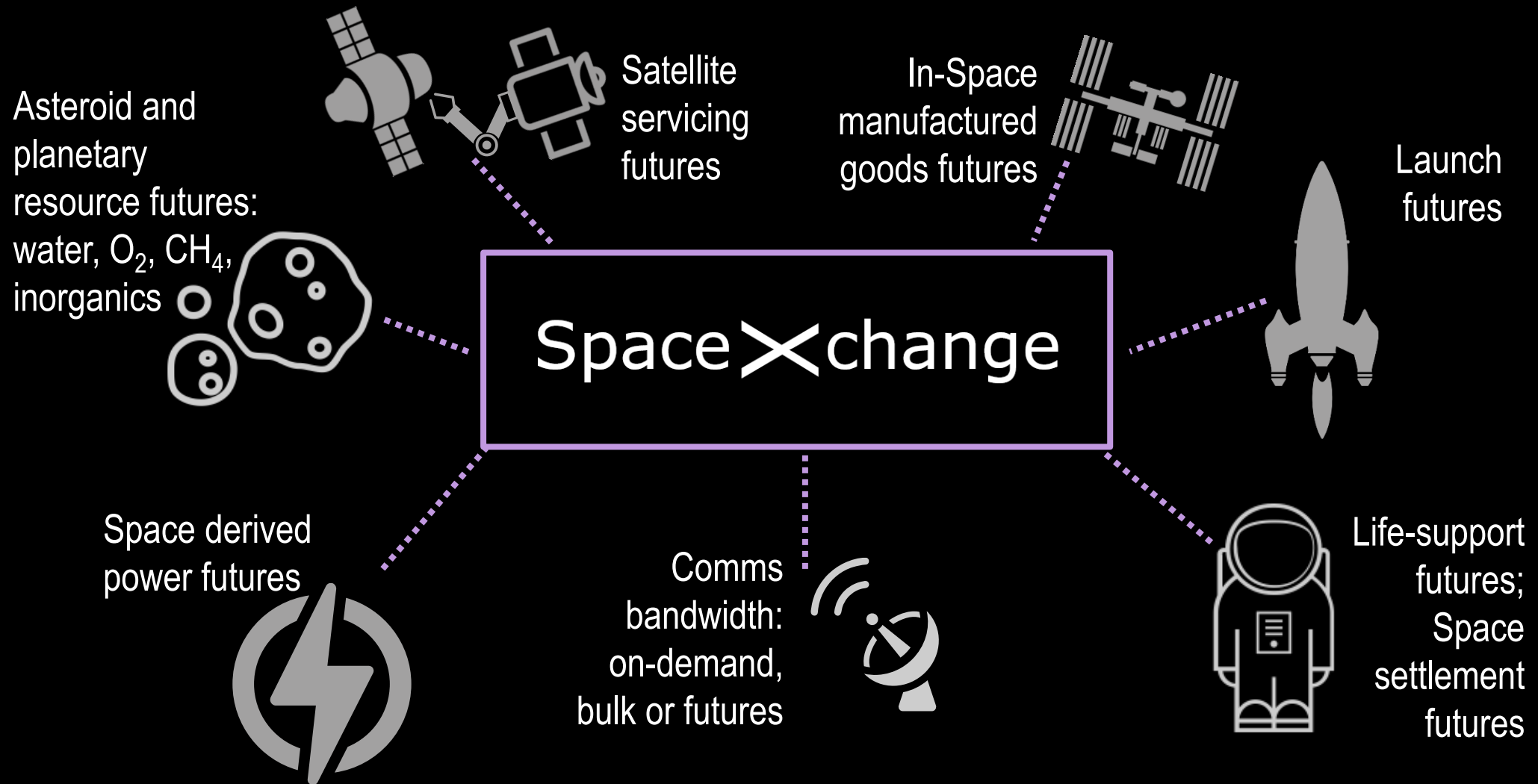
Vertically integrated industrial consortium











Blockchain framework for intra-consortium IP management,
profit appropriation / sharing
and skills, resources & capabilities bartering

Space Exchange:

Codifying future market demand (i.e. the “what” we do)



Yes, yet another roadmap...

	2020s	2030s	2040s
BEO mega projects			
   	On-going exploration and prospecting missions		
	On-going tech dev, demos & PPPs		
	Anchor customers		
Financial infrastructure	 SpaceVault	Sovereign funds	
		BEO focused financial institutions	
	SpaceXchange	Industrial consortium	
		Government backed bond(s)	
		Government sponsored enterprise(s)	
BEO Capitalization	\$10Bs	\$100Bs	>\$1Ts

Inspiration from history



vs.



Inspiration from history



Inspiration from Yoda

The Wisdom of Yoda



DO.



DO NOT.



TRY.

edutopia