



For All Human Kind

Opening the Frontier for Everyone

Nov. 21 | UN High Level Forum/UAE | Rick Tumlinson | Chairman



NEW WORLDS

SPACE FOR LIFE™

www.NewWorlds.Space

THIS IS A CRAZY IDEA



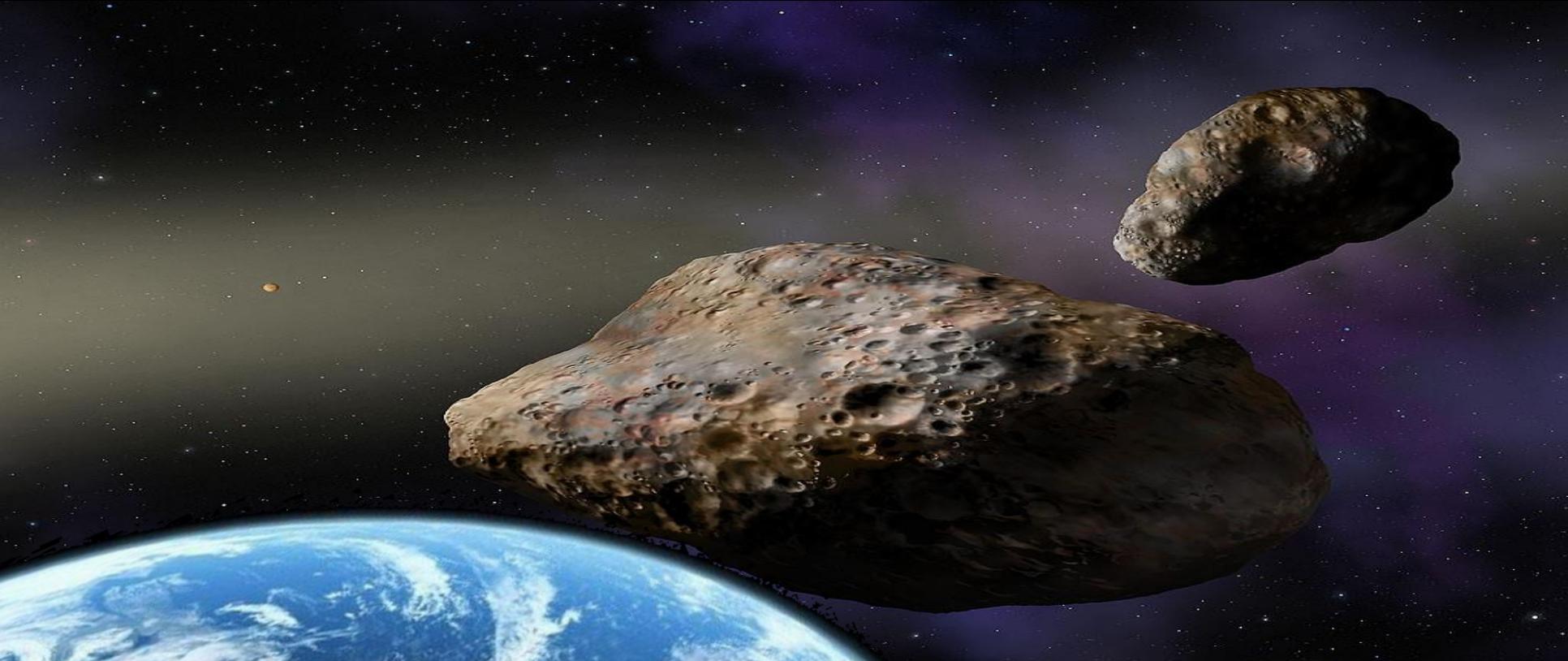
EXACTLY!

This is Not science fiction

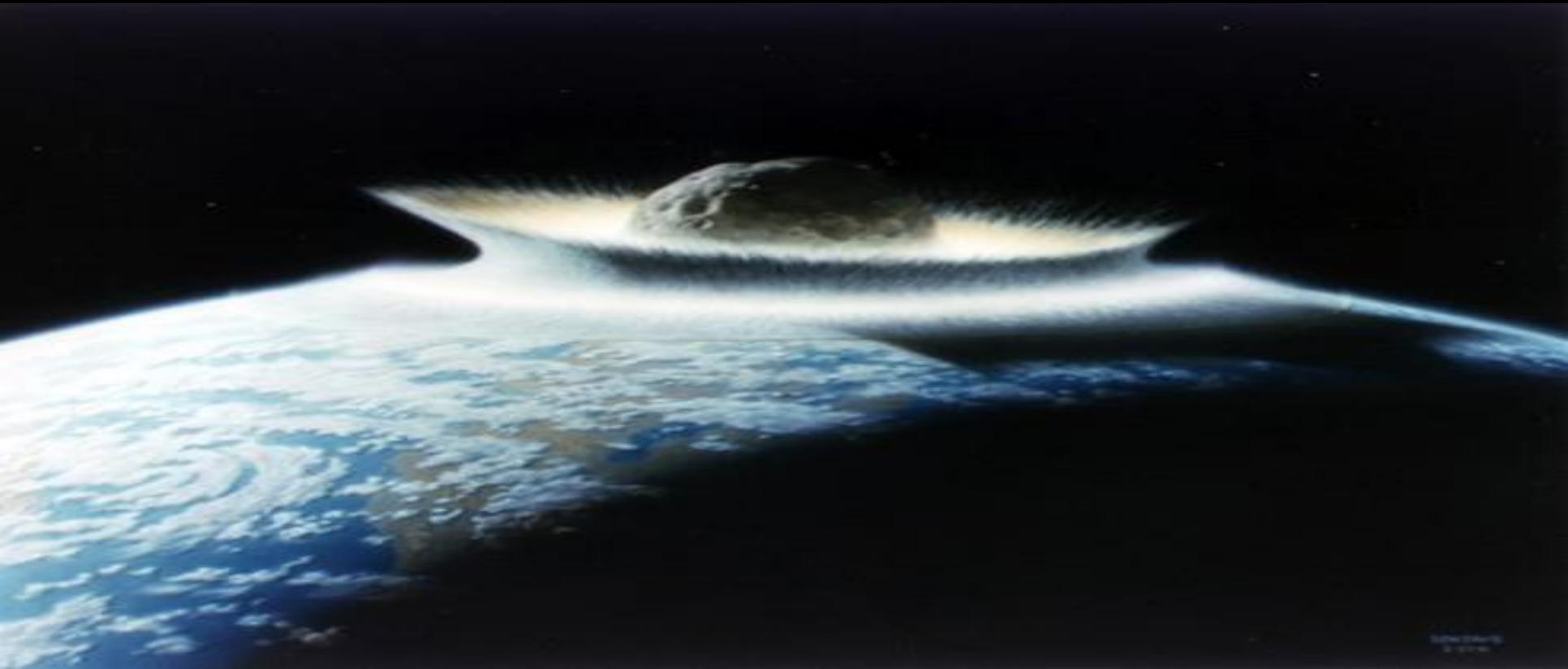


There is Real money and Real sweat being
invested Now to open the frontier.

We are Not bringing these back to the Earth.



Nature does a good job all by itself...



Any mass in orbit is valuable
due to launch costs: \$17 million per ton



This bucket-load mass
is worth \$80M



This water is worth \$800M

The Products

- Water
- Raw regolith gravel
- Industrial metal (Ni-Fe)
- Gases (CO₂, CH₄, others)
- Kerogen ('Asphalt')
- Platinum Group Metals
- Silicon & other Semiconductors





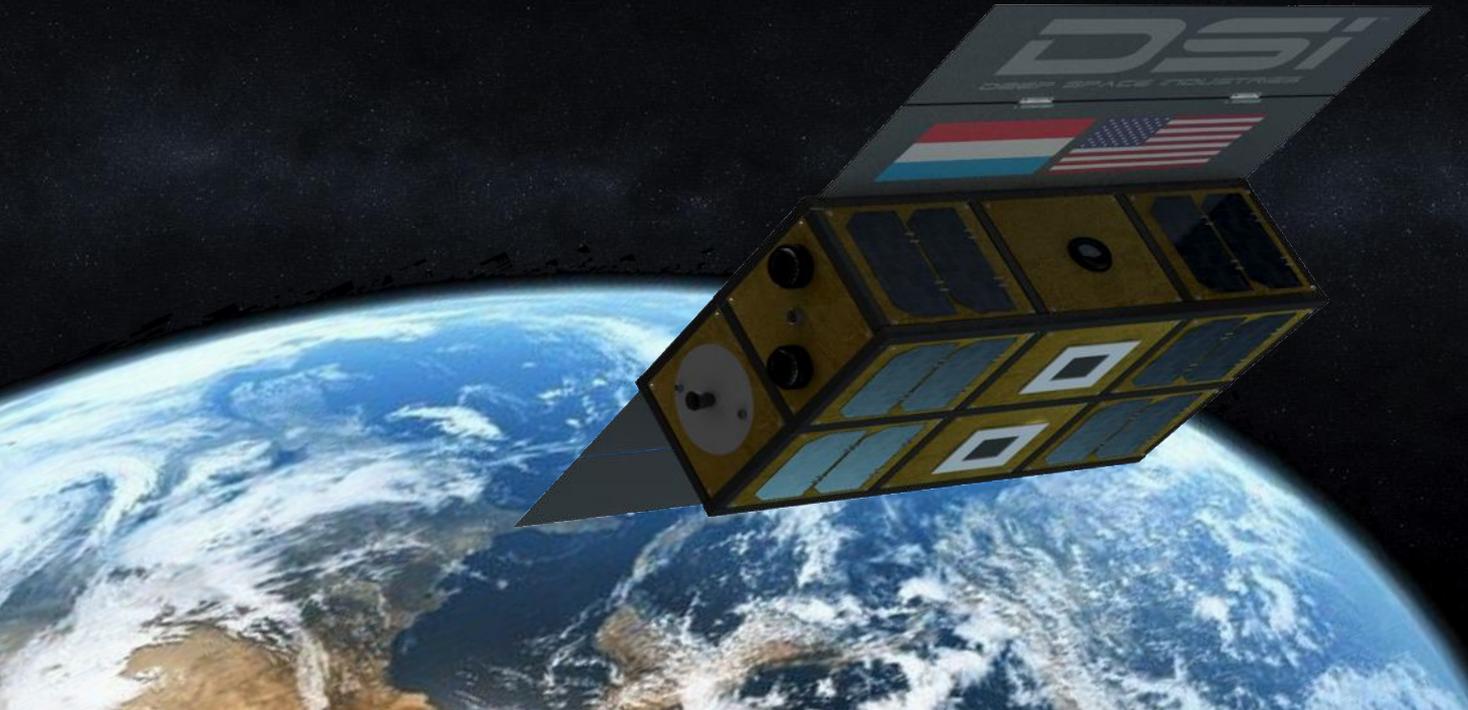


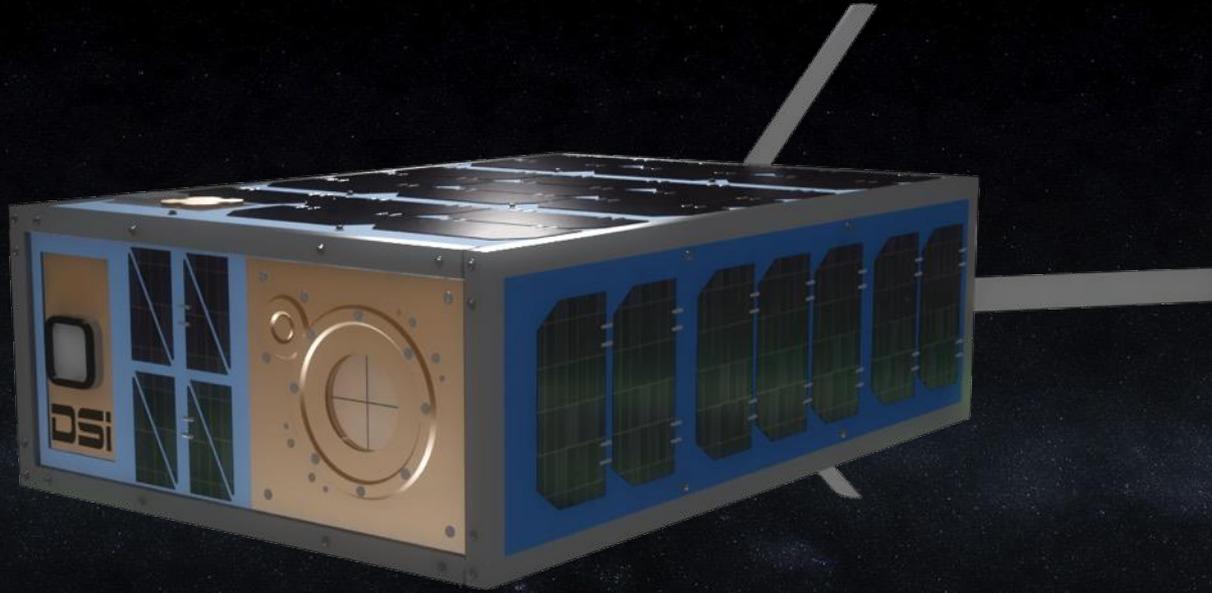


Prospector X

Fall 2017

DSi
DEEP SPACE INDUSTRIES





DSi
DEEP SPACE INDUSTRIES

DSi Commercial Missions

Furthering our missions by enabling customers



DSi
DEEP SPACE INDUSTRIES







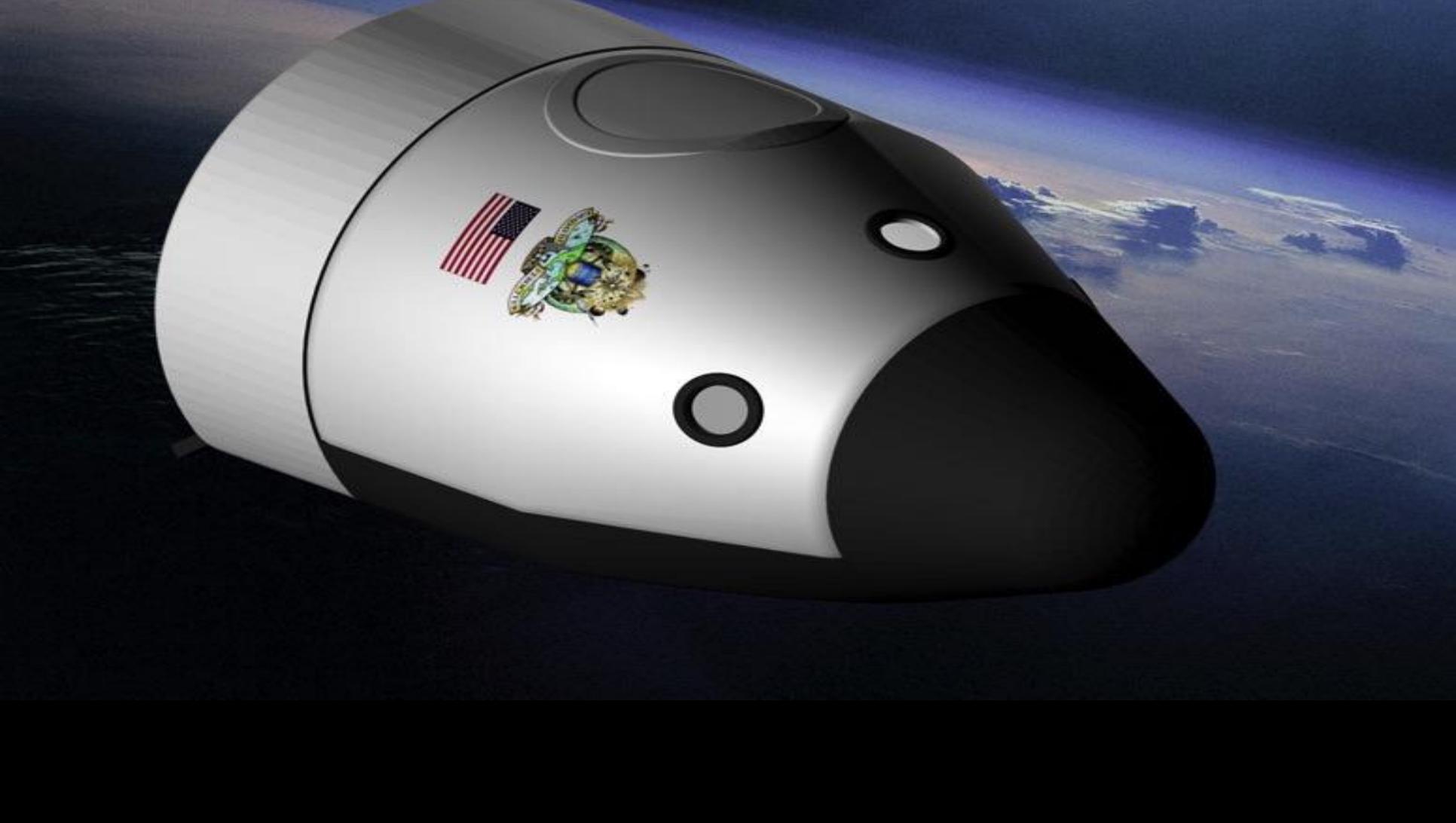


SNC
SPACE SYSTEMS CORPORATION

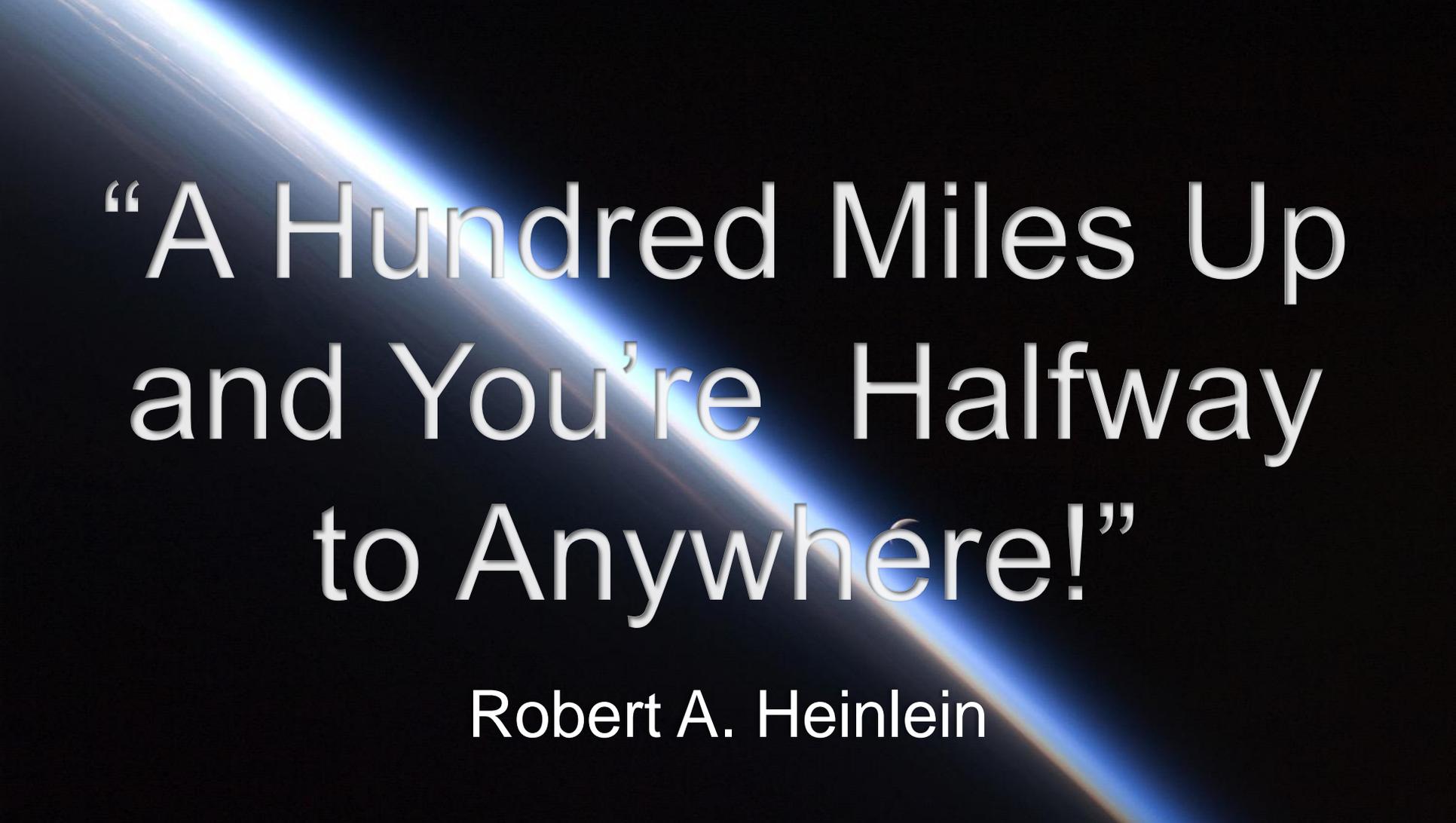


SNC
SPACE SYSTEMS CORPORATION

Dream Chaser







“A Hundred Miles Up
and You’re Halfway
to Anywhére!”

Robert A. Heinlein





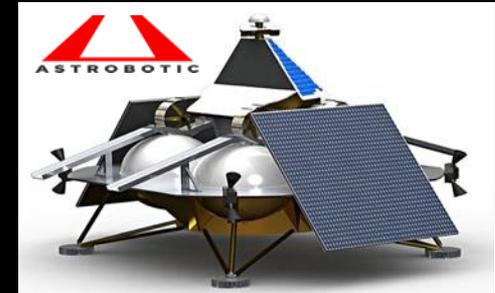
TRAY MEAD

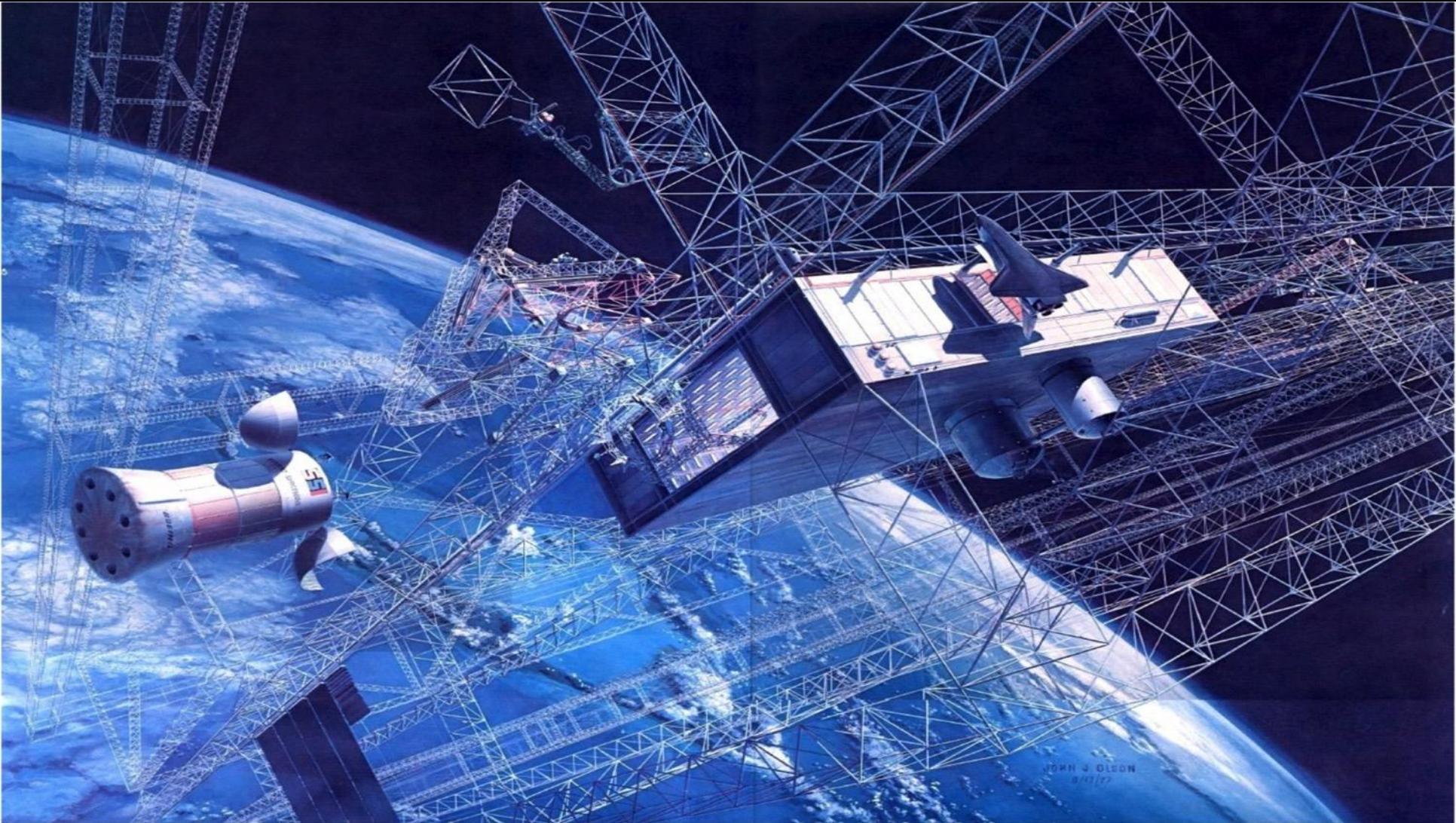


وكالة الإمارات للفضاء
UAE SPACE AGENCY



....lots of smaller non- billionaire shops...





JOHN J. OLEON
8/13/17





The Outer Space Treaty was a Good Idea.



It helped stop this from happening.



...and kept these on Earth.

The Outer Space Treaty Is a Good Idea.

Let the people go!





Requirements For the Frontier

- Regular, reliable and low cost access to and from space for everyone.
- Utilization of the resources of space, wherever they are, for whatever purpose we need – by whomever is willing to do the work.
- Governments that understand and support the idea of an open and expanding human frontier in space, by, of and for the people – so they may live and settle where they want.



Pioneering Space National Summit

FEBRUARY 19-20, 2015 WASHINGTON D.C.



“The long term goal of the human spaceflight and exploration program of the United States is to expand permanent human presence ... in a way that will enable human settlement and a thriving space economy.”

The Space Exploration Development and Settlement Act of 2017?

A BILL

“To require the National Aeronautics and Space Administration to investigate and promote human settlements *and economic development* in space, and for other purposes.”

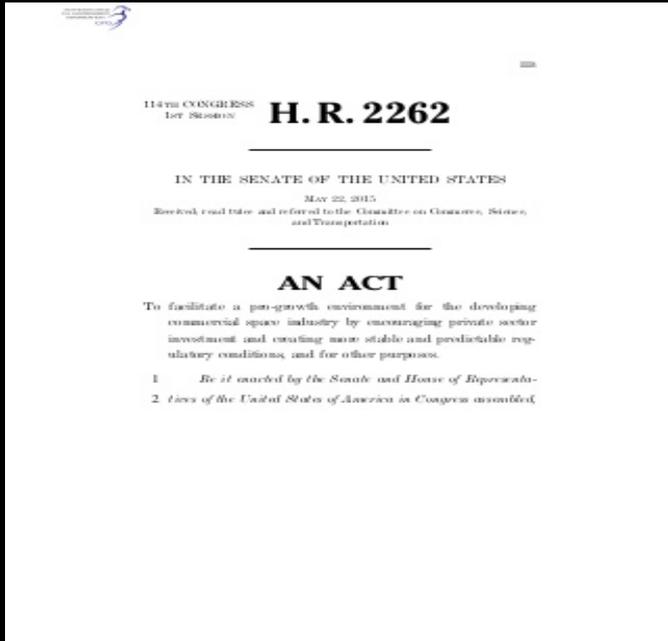


Why Regulations

Need for regulatory certainty

- Int'l – no space resource utilization legal regime
- Domestically - Lack of defined US regulation to comply with Art VI of OST for “non traditional space activity”
- Difficulty in capital formation

Asteroid Act of 2015



Passed by both
the House And
Congress and
signed by the
President into
law.

(and you think what we're doing in space is hard
to believe?)

The Myth

Only “Big Guys”
are allowed to
participate in
opening the
Frontier.



The Myth

Only “Big Guys”
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participate in
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Frontier.



The Myth

“Developing” or smaller nations
go to the ghetto
of Earth observation or being minor
partners.

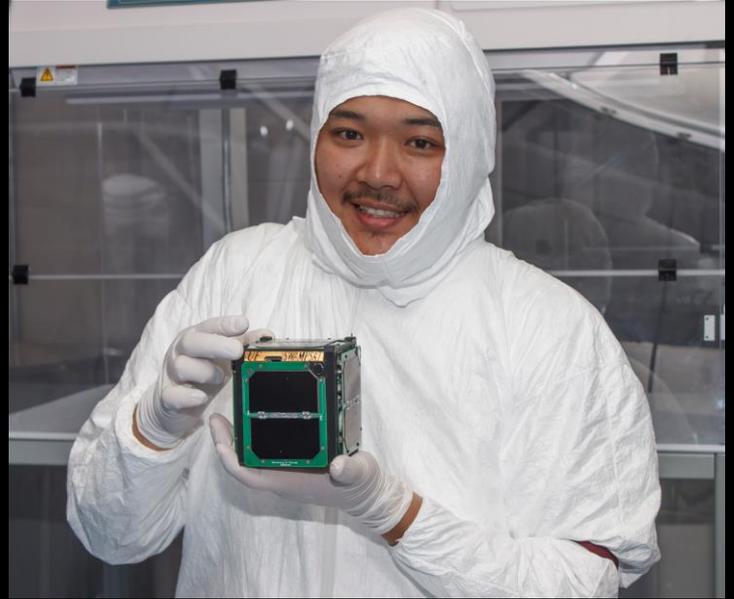
New Space Reality

Everyone
can
participate.



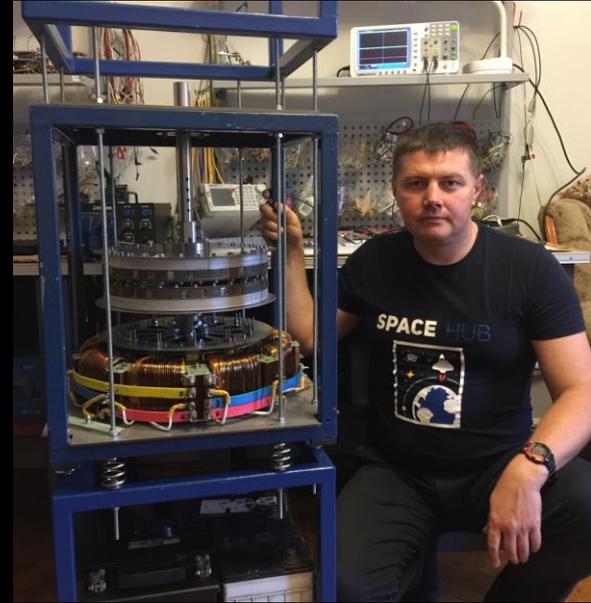
New Space Reality

Everyone
can
play



Let the People Grow

Support new ideas, advanced concepts. Reward leadership and disruption.



Pass your own “Space Act”

Enact responsible
pro-enterprise
legislation.



Build Your Own Space Industry

Create incentives:
Tax relief
Infrastructure
Education





Support Transformation

Let the garden grow.

(Avoid the temptation to eat the seed.)



It is time for a change...



Time for a new conversation.

The Old Paradigm

Expansion of
Civilization

=

Destruction of
the domain of life



What makes sense for this...



A composite image of a galaxy with Earth and the Sun. The galaxy is a large, spiral structure with a bright central core and numerous stars scattered throughout. The Earth is shown as a small blue and white sphere, and the Sun is a bright yellow star, both positioned within the galaxy's structure. The text "Makes NO Sense for this." is overlaid at the top in white, and "In fact it is the opposite." is overlaid at the bottom in white.

Makes NO Sense for this.

In fact it is the opposite.

We were limited.



Old Conversation:

How do we *protect and preserve* this precious but limited planet?

The New Paradigm

Expansion of
Civilization
=
Expansion of the
domain of life



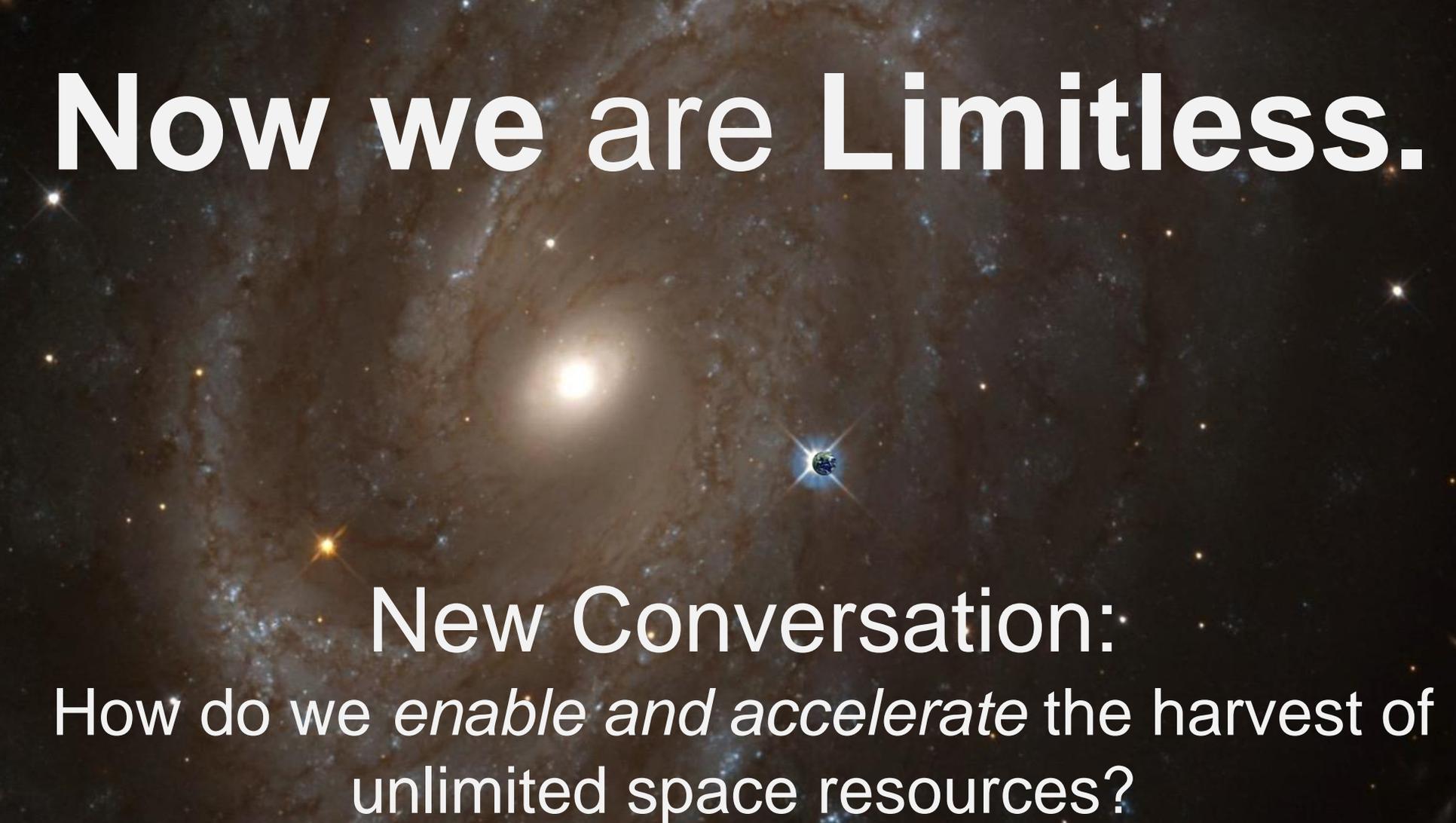
New Organizing Principles

Acquisition/Use of
Space Resources

=

Survival
Wealth Creation
Inspiration





Now we are Limitless.

New Conversation:

How do we *enable and accelerate* the harvest of unlimited space resources?

By harvesting this....



We preserve this...



...and this time



...it's for everyone!

What We Don't Need



Papal Bull 1493

What We Don't Need



Antarctica Treaty 1961

What we Do Need

A common sense policy environment that is simple, stable and is designed to enhance and accelerate the use of space resources for the benefit of humanity.

Enterprise Works



Cooperation Works



Environmental Ethos

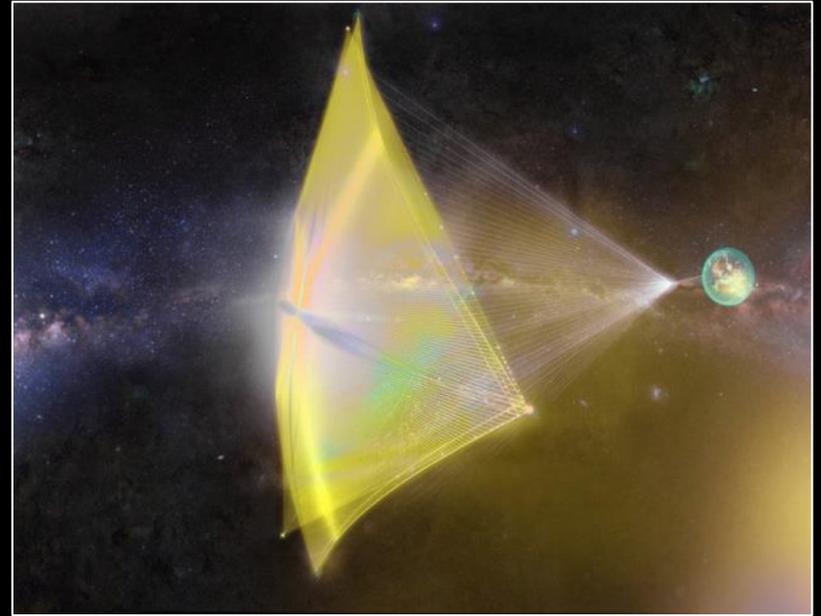


“There is probably no one more environmentally aware than a person sealed in a can floating above the Earth, re-breathing their own air and re-using their own waste.”

RNT

New Organizing Principles

Acquisition of
Knowledge



New Organizing Principles

Expression of
Self





We are engaged in an Act of Creation.

Support Transformation

A pair of hands is shown from a top-down perspective, cupping a small amount of dark soil. In the center of the soil sits a small, young green plant with four leaves. The background is a dark, starry space, suggesting a connection between nature and the universe. The lighting is soft, highlighting the texture of the skin and the vibrant green of the plant.

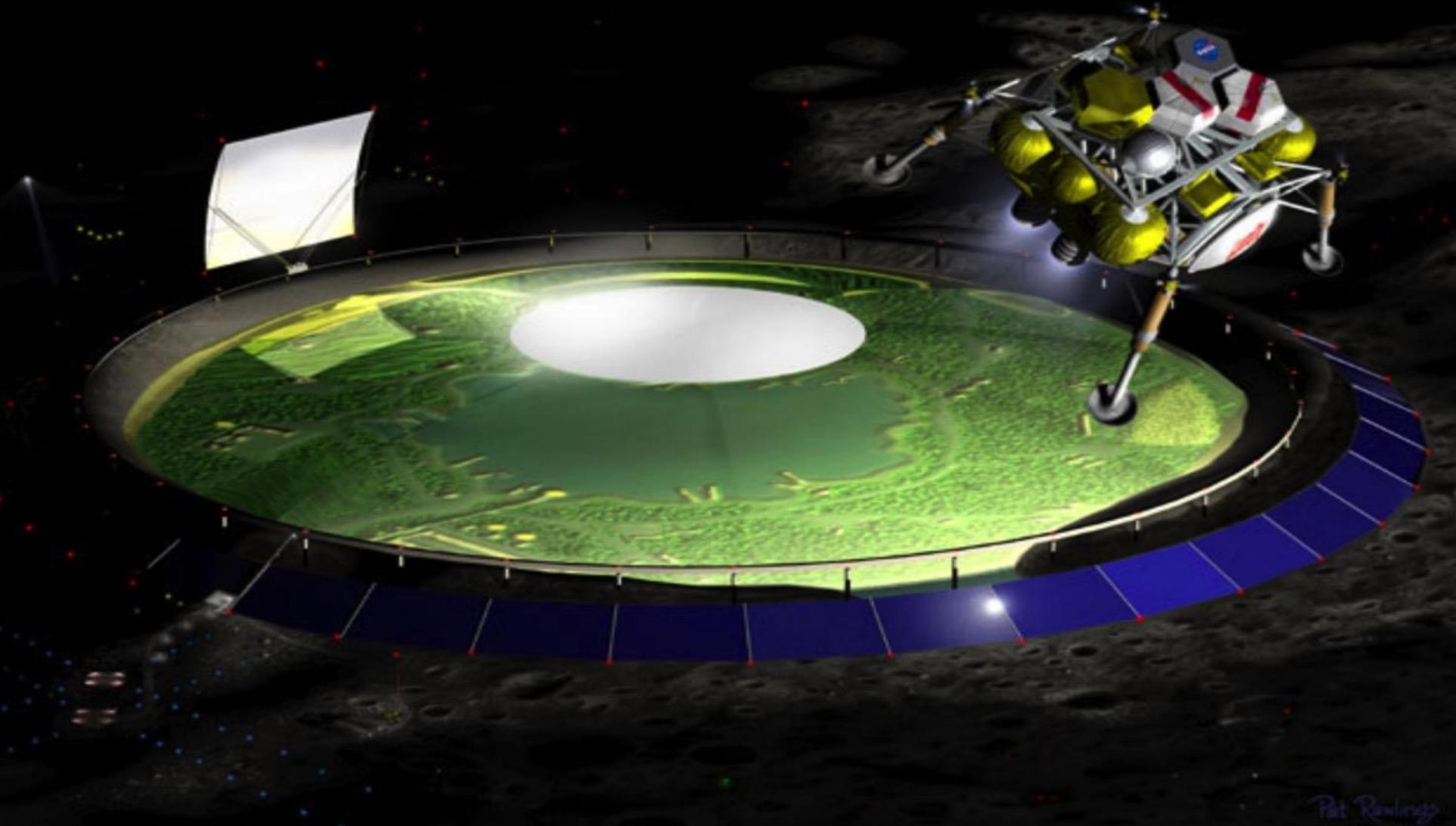
Let the garden grow.

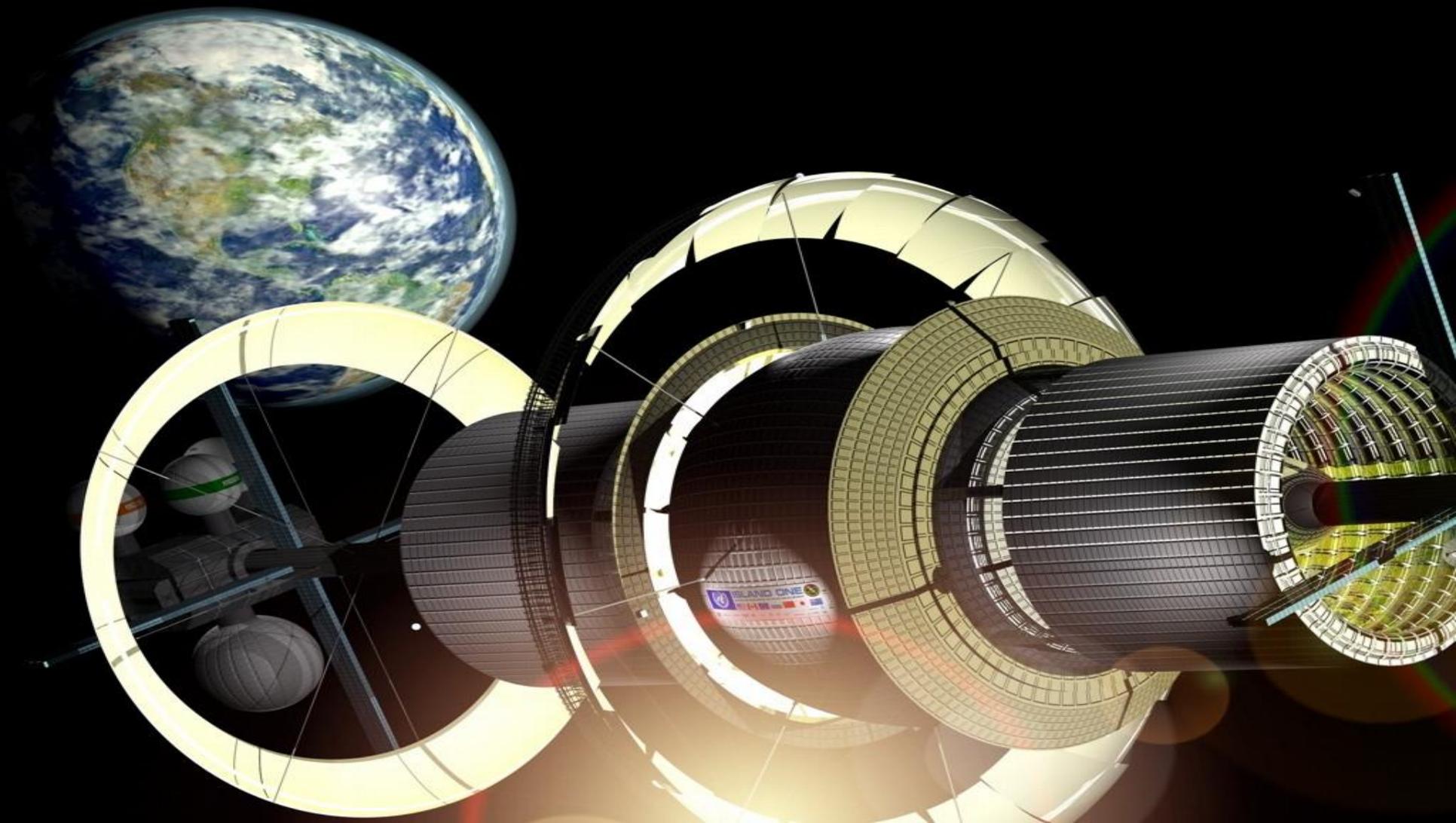
A close-up photograph of a pair of hands, likely belonging to a person of African descent, cupping a small, vibrant green seedling with four leaves. The seedling is growing out of a mound of dark, rich soil. The background is a deep, dark blue or black, speckled with small white and blue particles, giving it a cosmic or ethereal feel. The lighting is soft, highlighting the texture of the skin and the freshness of the plant.

Support the People

DO NOT eat the seeds.



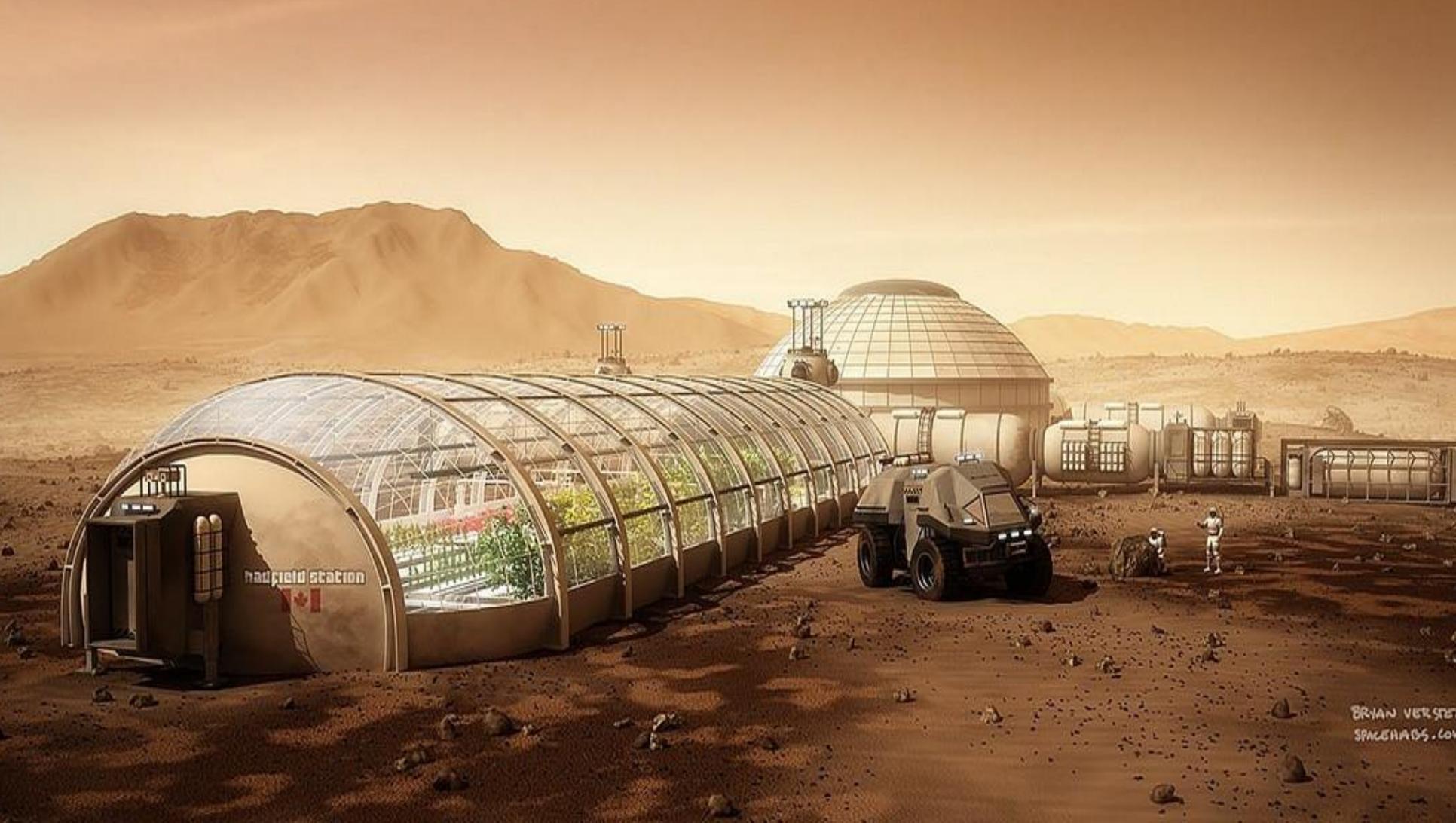






Of course there's always that one guy...





hadfield station

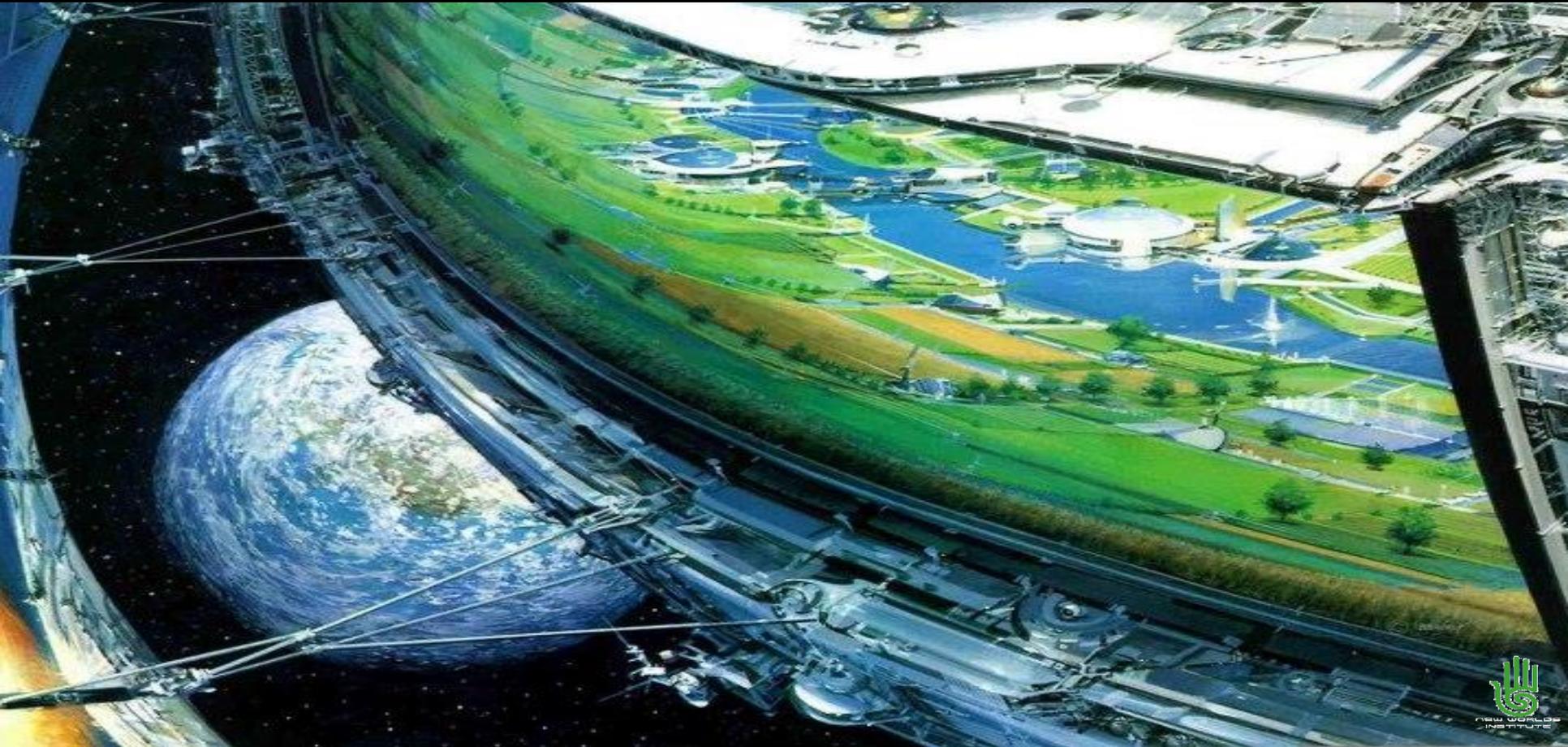


BRYAN VERSTEEG
SPACEHABS.COM

This time we can all go together



This time we take it from no one





We are here...



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SPACE FOR LIFE™**
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To Go There!



NEW WORLDS

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