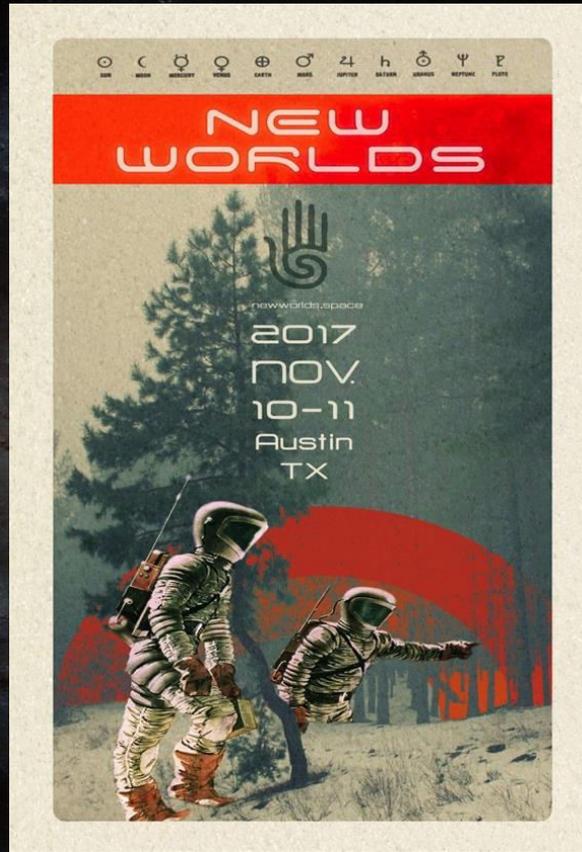




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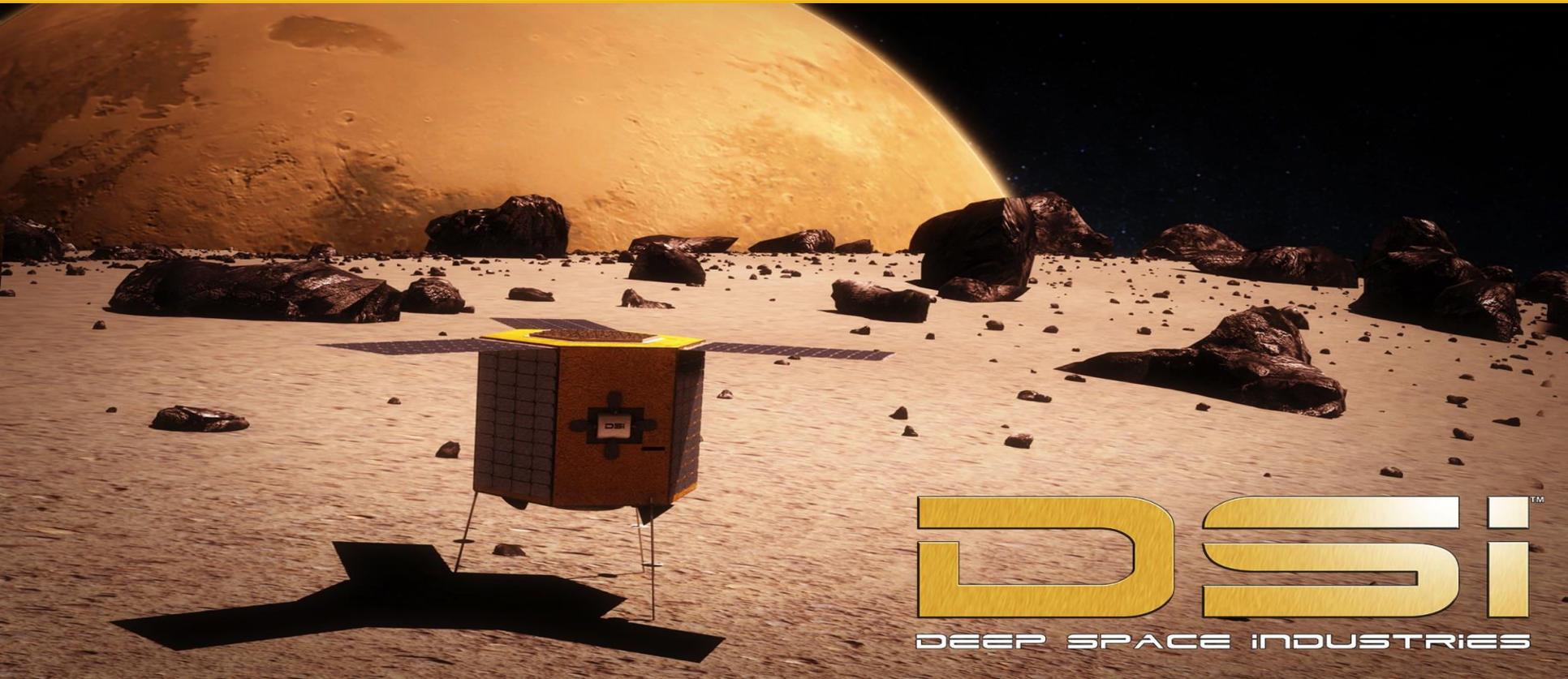
NewWorlds2017.Org

Asteroid Landing 2020

DSI
DEEP SPACE INDUSTRIES



Low Cost Access to Exploration



DSITM
DEEP SPACE INDUSTRIES

US Title IV of CSLA of 2015

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



And you think what we are doing is science fiction?

Luxembourg



...other new leaders...



Space Policies

- US space resources law (2015)
 - US competitiveness law (in Congress now)
 - Luxembourg national policy
 - UAE national policy
 - Japan?
 - Brazil?
 - Who's next?
-

What Happened

Sputnik surprised
the world and
moved state
activities and
conflict into a new
realm.



Accepting the Challenge

Since the late 1950s the UN and other bodies have been playing catch up.

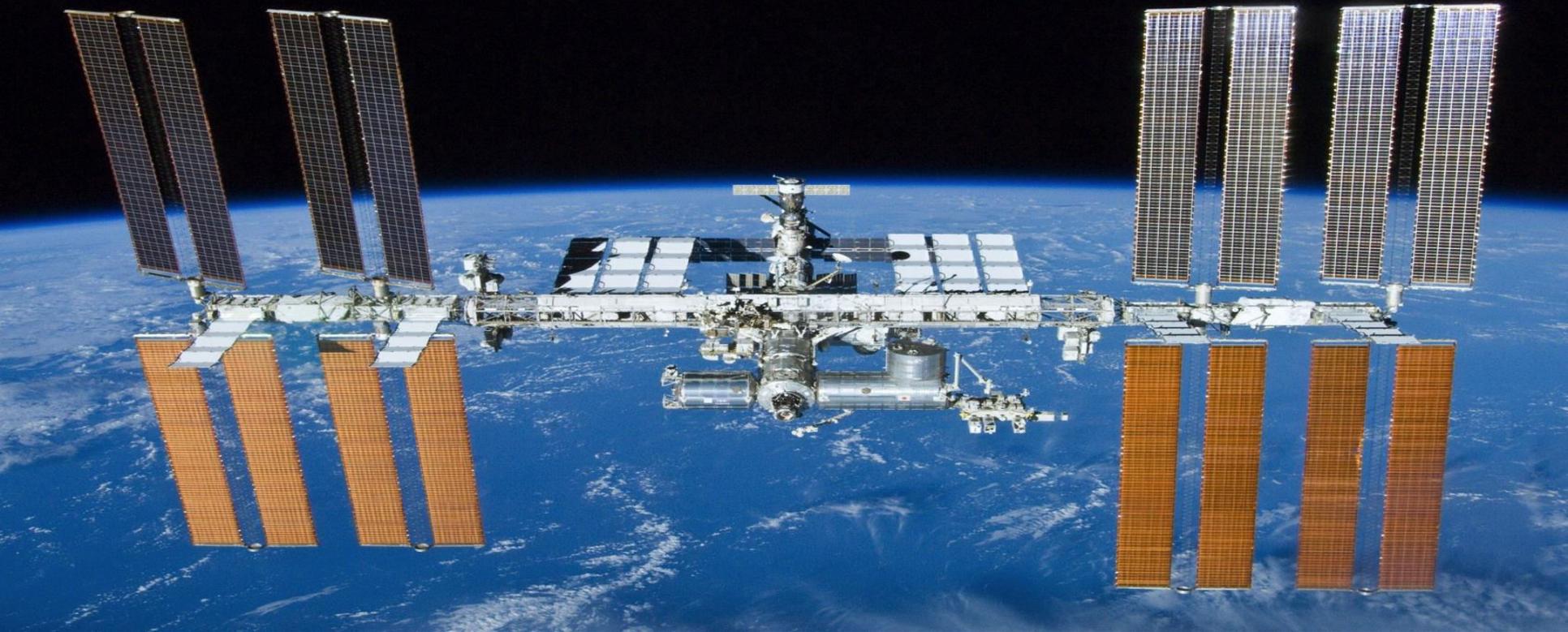




OST - Two Prime Goals

1. To block the possibility of the militarization of space by either of the two “Super Powers”.
 2. To block the possible imperial acquisition of space by either of the two “Super Powers”.
-

It Worked



Five International Treaties

- The Treaty on Principles Governing the Activities of States in the Exploration and Use of Outer Space, including the Moon and Other Celestial Bodies, 1967.
 - The Agreement on the Rescue of Astronauts, the Return of Astronauts and the Return of Objects Launched into Outer Space, 1968.
 - The Convention on International Liability for Damage Caused by Space Objects, 1972.
 - The Convention on Registration of Objects Launched into Outer Space, 1975.
 - The Agreement Governing the Activities of States on the Moon and Other Celestial Bodies, 1979.
-

BUT THAT TIME IS OVER



SpaceX Elon Musk



Settlement of Mars



Blue Origin
Jeff Bezos



Space and Moon settlements



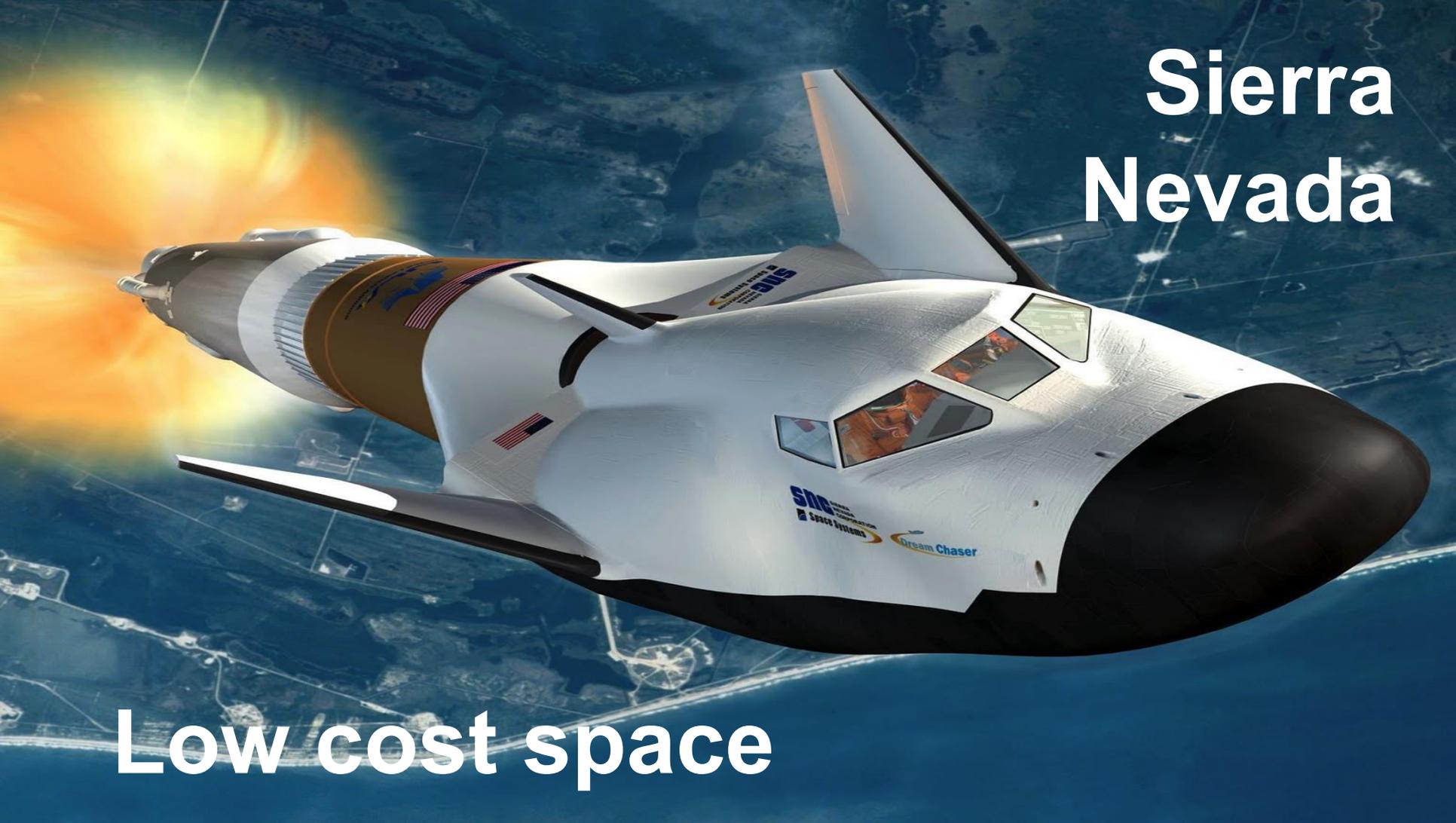
Stratolaunch Systems

Paul Allen



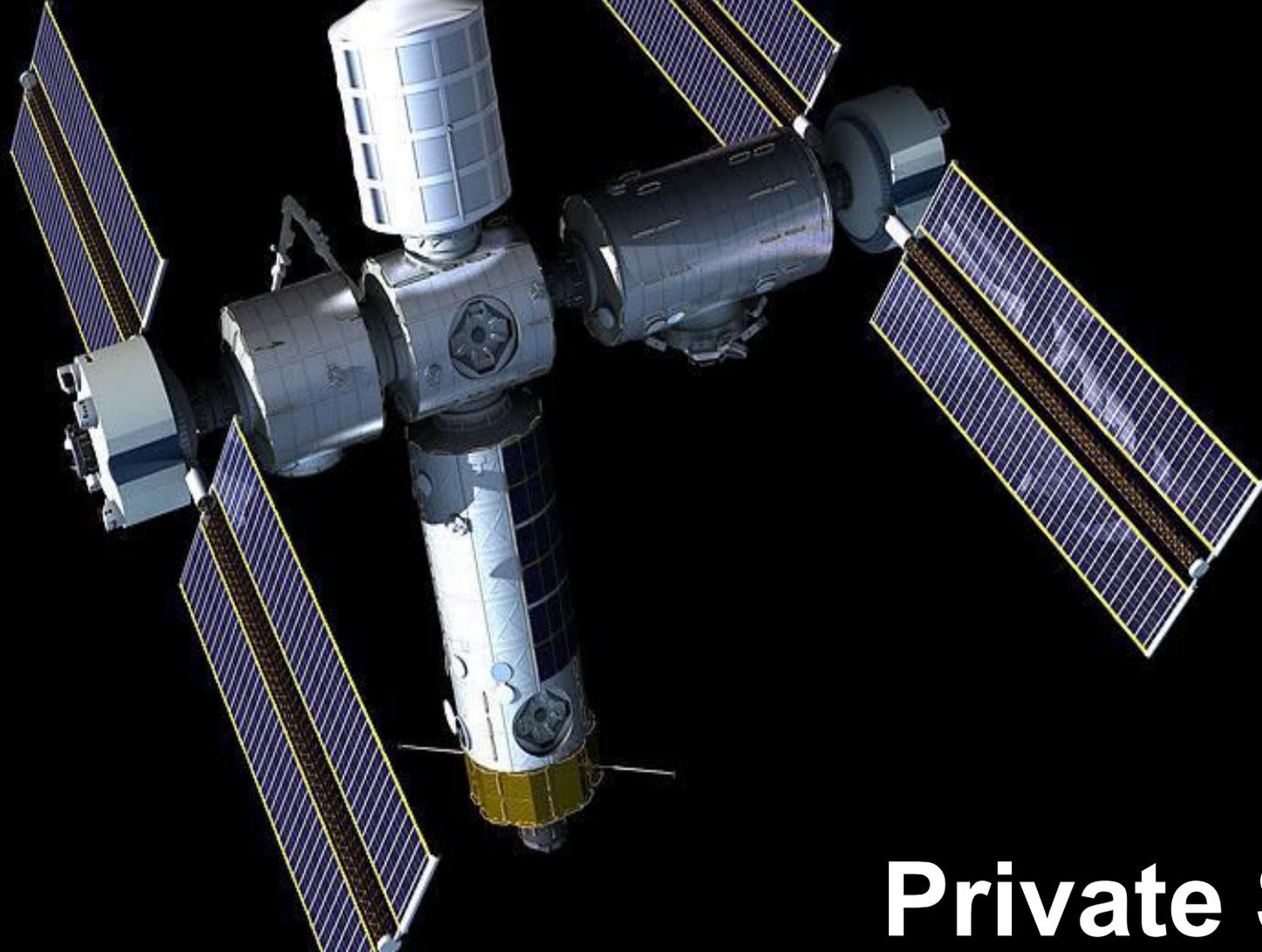
Industrial



A detailed rendering of the Sierra Nevada Dream Chaser reusable rocket in space. The rocket is white with a black nose cone and a brown and white engine section. It features a large, delta-shaped wing and a vertical stabilizer. The cockpit windows show two orange seats. The rocket is flying over a blue and white Earth surface. A bright orange and yellow glow is visible on the left side of the image.

**Sierra
Nevada**

Low cost space



Private Space

...and some others...



“Let a thousand rockets fly!”



It Begins: A City on Mars - 2017

“Our aim is that the UAE will spearhead international efforts to make this dream a reality,”

Shaikh Mohammad Bin
Rashid.



The Vision

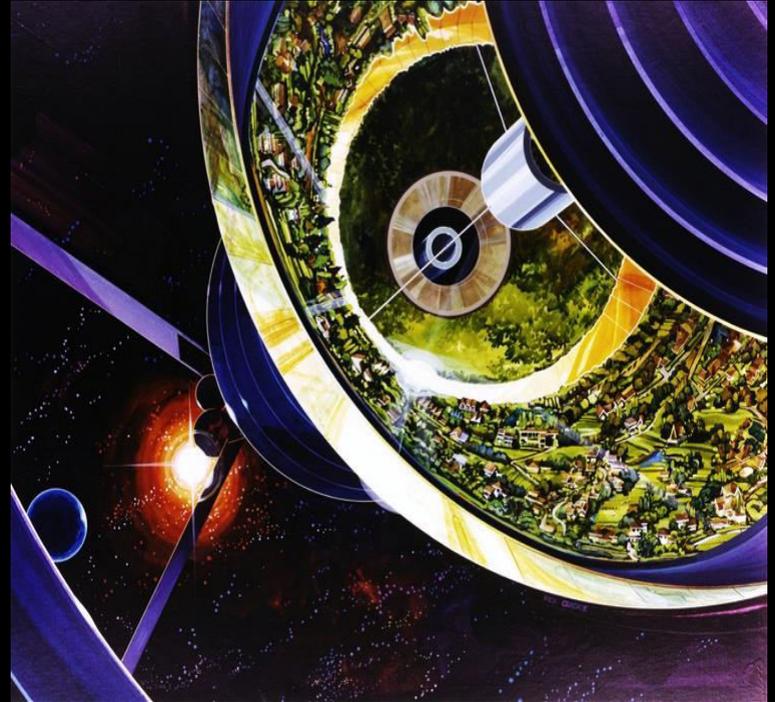
UAE is going to
build a city on Mars.



It Begins: Colonies in Free Space

“Our vision is
millions of people
living and working
in space”

Jeff Bezos



It Begins: A Village on the Moon

“...there is nothing on the Moon visible [yet], but there will be something visible very soon, because several of these entities are planning to go to the Moon rather soon.”

Johann-Dietrich Wörner,
Director-general - ESA



The Challenge

The ships will be ready in 20 years to carry humanity to the New Worlds of Space...



The Challenge

The ships will be ready in 5-10 years to carry humanity to the New Worlds of Space...



A complete change in the game..

The BFR.
Hundreds of people
will be able to fly on
a single ship within
a decade.



The Challenge

Within 10 years we will have fleets of spaceships able to carry hundreds of people to the New Worlds of space.



The New Reality

The Space Frontier will be opened by
people.

With the support of - or in spite of
governments.

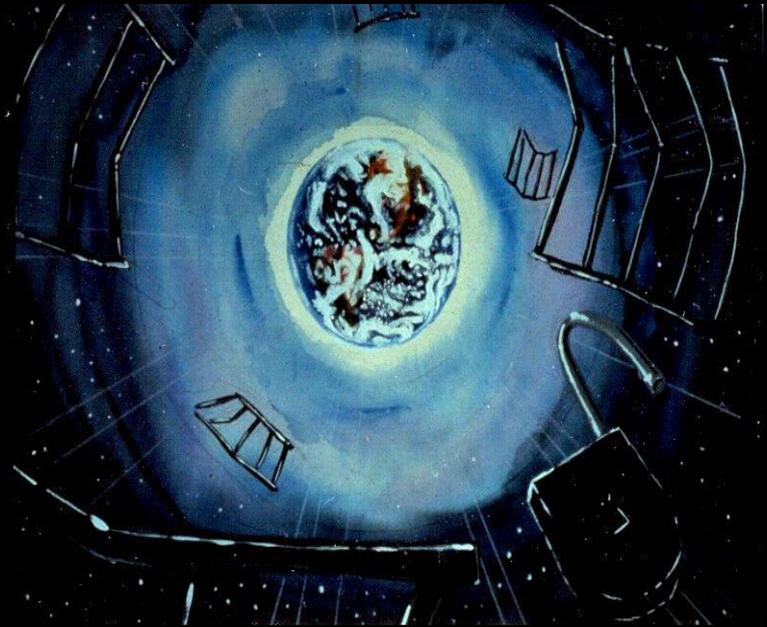
The Challenge

Will the UN and other bodies be seen as trying to stop this new reality?



The Challenge

Or will You get
ahead of the
curve...and help
lead the human
breakout into
space?



What is about to happen..

True access to the
frontier for the
people.
It has happened
before...



It is no longer about states

How do we prepare
the way for those
who will go...



The Universal Declaration of Human Rights

Article 17

(1) Everyone has the right to own property alone as well as in association with others.

(2) No one shall be arbitrarily deprived of his (her) property.

Adopted by the United Nations
Dec. 10, 1948 (parenthesis by author)

The Declaration

It is the right of the people of the Earth to go to, explore, utilize and make their home anywhere in the universe – that is not already the home of someone else.

The Declaration

...so long as their presence does not threaten or harm indigenous life, infringe upon the rights of others, nor create the potential for imminent threat or danger to others.

The Declaration

The only exceptions to this right are those places deemed to be of historic, cultural, aesthetic biological importance,
And...

Areas Off Limits

Historic sites
(*World/Universal* Heritage
Sites)

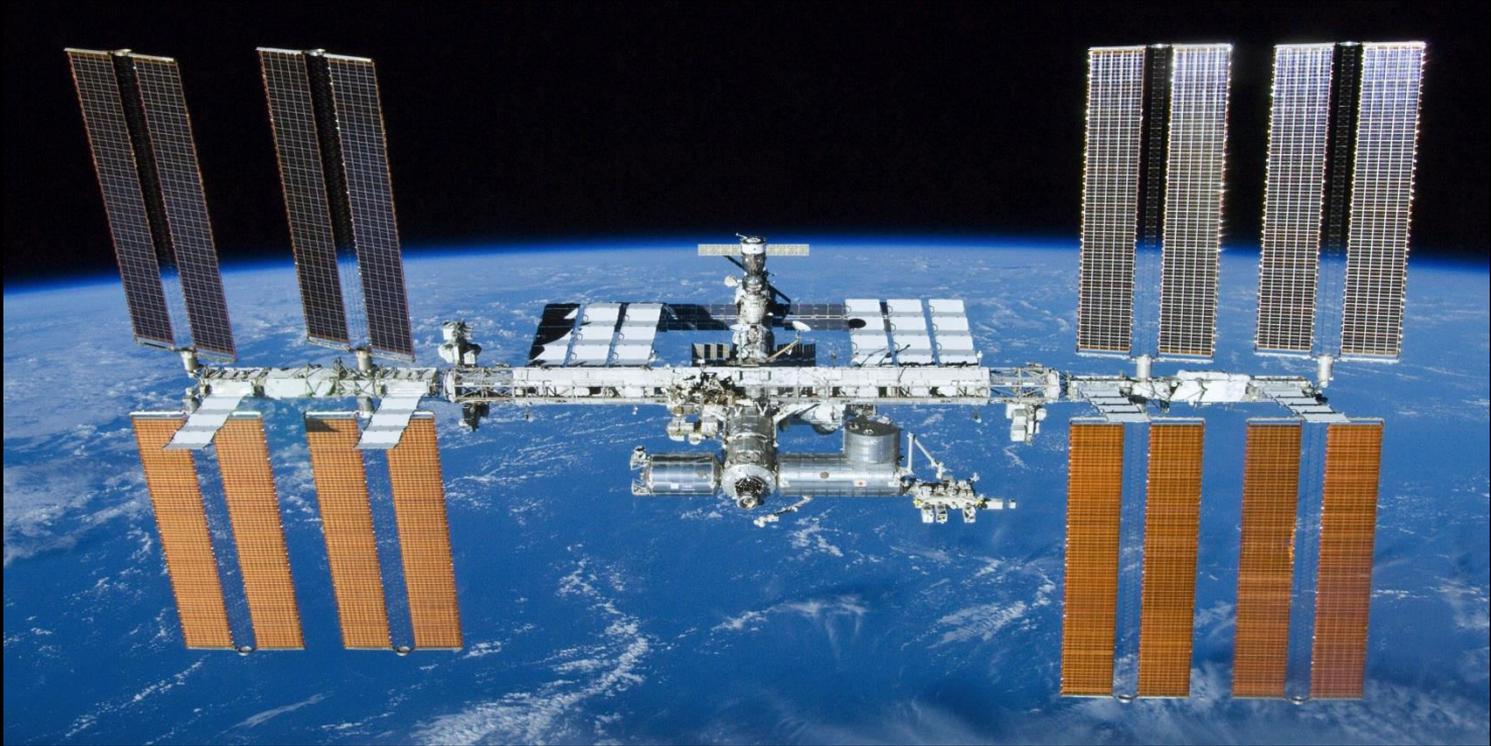


Areas Off Limits

Biologically
sensitive sites
(certain areas on
Mars? Other living
worlds...)



Don't Let Freedom Fall!

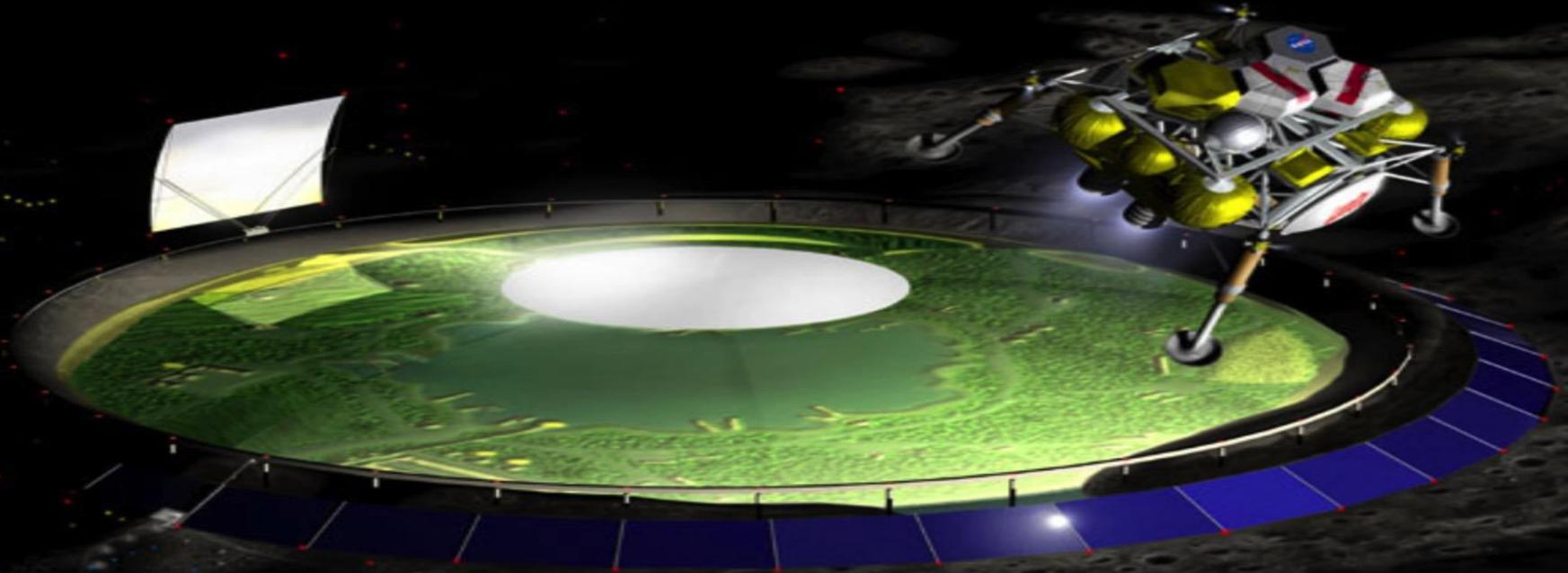


Areas of Aesthetic Limitation

Near side of the
Moon, LEO



It is a Human Right



To spread humanity and life to places now
dead.

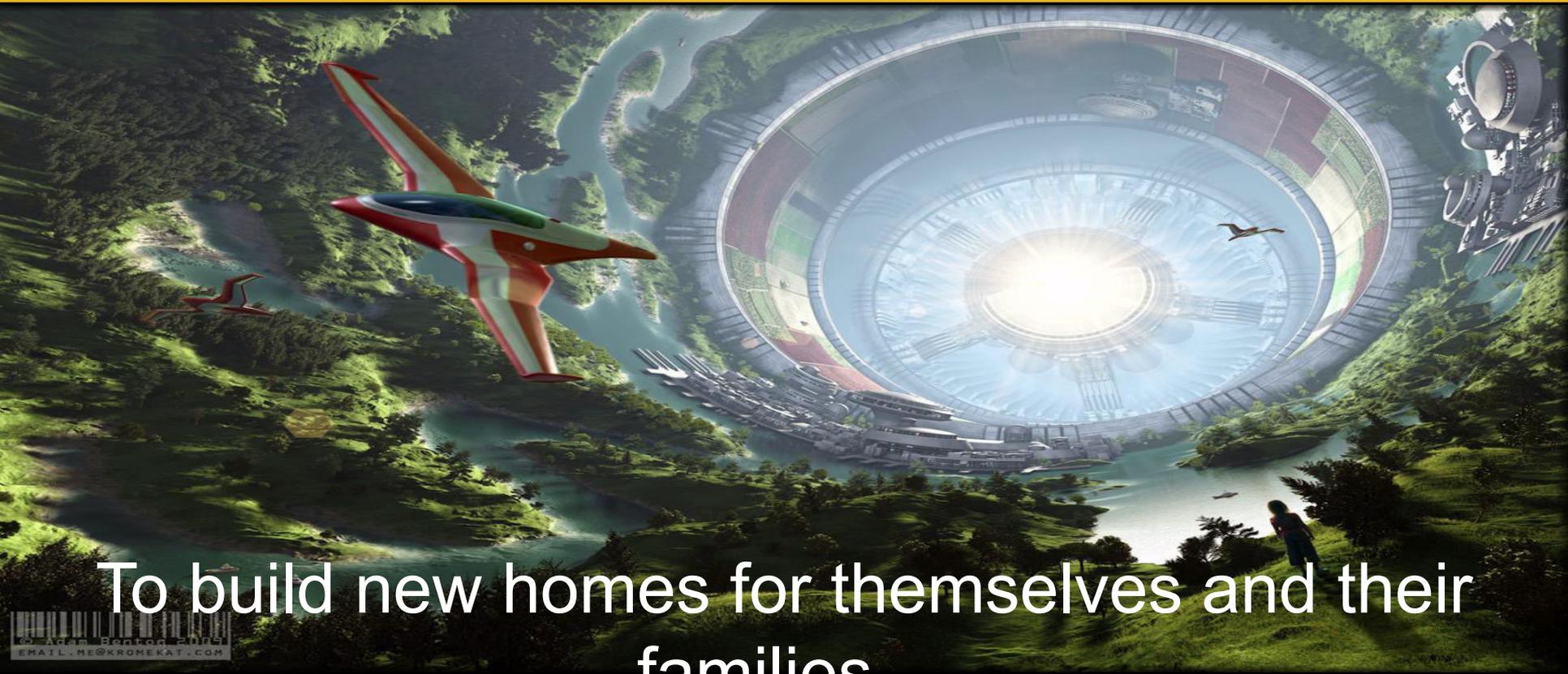
Pat Rawlings

It is a Human Right



To go anywhere and utilize the resources they
find...

It is a Human Right



To build new homes for themselves and their families...





We are engaged in an Act of Creation.

Our Real Consituents

It is their
future.
Not ours.
Do we build
barriers?



Our Real Job

A wooden suspension bridge with ropes on either side stretches across a vast, colorful galaxy. The galaxy is filled with stars and nebulae in shades of purple, pink, and blue. The bridge leads towards a bright light at the far end, suggesting a path to a limitless future.

Or help them build a bridge to a limitless tomorrow?

This time we go together



It is time for a change...



Time for a new conversation.

What makes sense for this:



The background of the image is a deep space photograph of a galaxy. It features a bright, yellowish-white central core surrounded by a complex, multi-colored structure of dust and gas. The colors range from dark brown and black to vibrant blue and purple. Several individual stars are visible, including a prominent bright blue star with a four-pointed diffraction pattern in the lower right quadrant and a bright yellow star near the center. The overall scene is set against a dark, star-filled background.

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?



Now we are Limit-less

New Conversation:

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

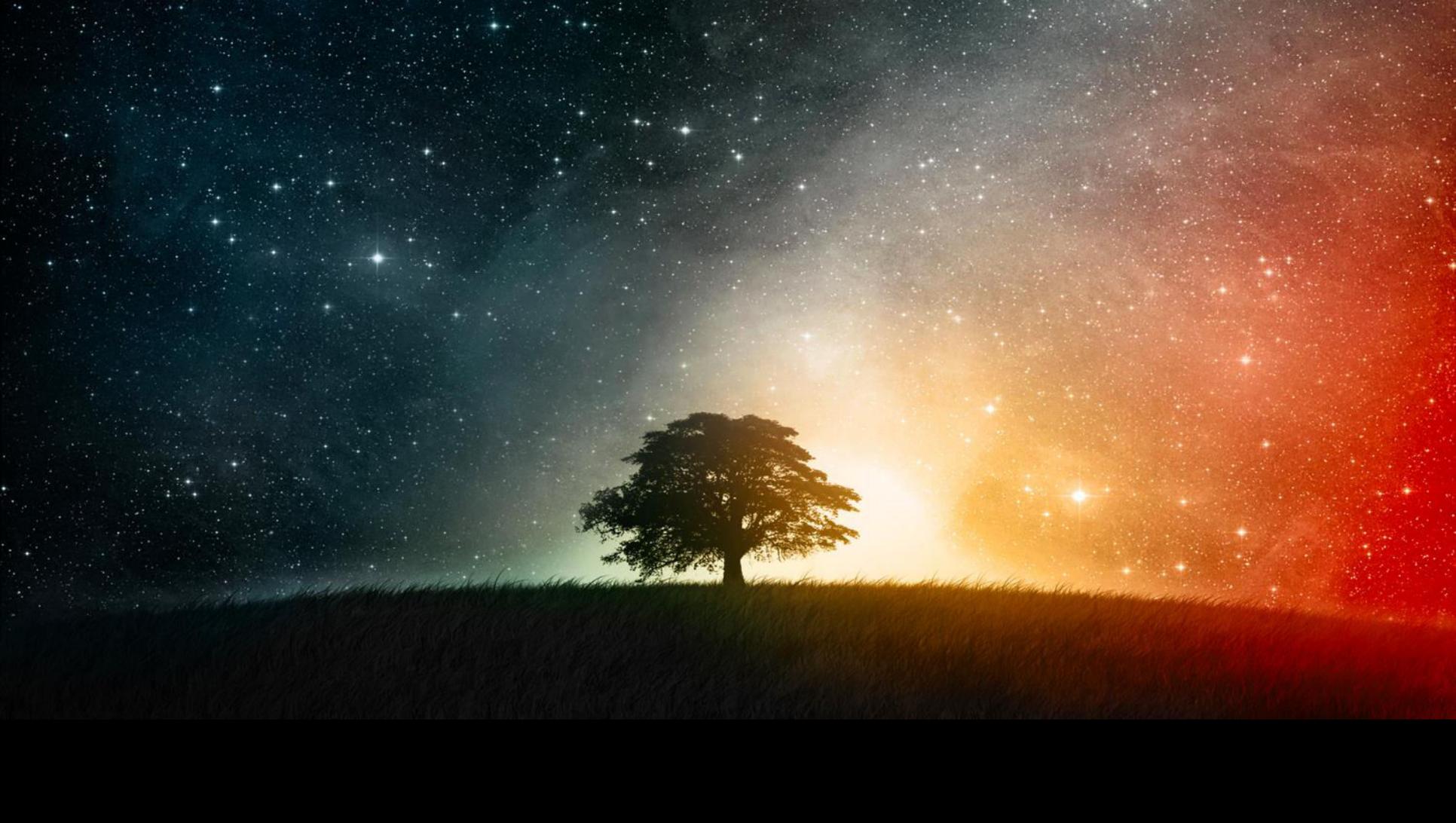
**By Harvesting the resources
of this...**



We preserve and protect this:



...and this time it's for everyone!
(...if we do it right!)





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