

Big Picture:

Planetary Leap Frog with carbon dioxide and other materials?

Warren Buffet, you wanna pick up a side hustle?

Each planet could be considered an Index Fund. With different elements as businesses.

Finance people could transform the elements into cryptos.

The elements could be distributed at pumps.

-[https://en.wikipedia.org/wiki/Terraforming\\_of\\_Venus#:~:text=Venus%20could%20also%20be%20cooled.balloons%20would%20necessarily%20be%20great](https://en.wikipedia.org/wiki/Terraforming_of_Venus#:~:text=Venus%20could%20also%20be%20cooled.balloons%20would%20necessarily%20be%20great).

-<https://www.nasa.gov/audience/forstudents/5-8/features/nasa-knows/what-is-the-iss-58.html>

-I imagine that Venus will continue to accumulate high levels of carbon dioxide, so there would need to be a constant flow of exports.

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Questions:

-Is it possible to artificially construct and reengineer elements on earth, and then allocate them where needed, to make all areas of the universe inhabitable?

-Could we engineer robots and machines that are capable of extracting the carbon dioxide from the atmosphere, at extreme differences?

-Can we have descaled giga stations that individuals can go to, similar to grocery stores, that allow them to buy energy.

-If not/also, could we engineer our bodies/ a thin layer of clothing to meet the difference? I imagine attempting the problem from multiple angles will be the way the solution is met.

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Order of Operations:

**\*\*Gigastations ubiquitously are needed\*\***

Then, costs will decrease as we can harvest elements and continuously apply global economies of scale. This will also focus attention, and also allow more leisure for whatever individuals want.

1. Grow the amount of space stations, and have them function as gas/fuel stations for space.
  - a. Space Station Engineers could progressively work on clearing the path for future stations. Clearing out asteroids and improving efficiency.
2. Engineer a planet's global environment as close as possible to Earth.
  - a. KNN for planets.
    - i. Earth → Moon
    - ii. Venus → Earth
    - iii. Earth → Moon

iv. Moon —> Mars

1. Done. Maintain the flow and then the next planets. This will allow us to inhabit Mars, Moon, Earth, and Venus
2. Engineer our bodies, a thin layer of suits that allow renewable and liveable access on each given planet.
3. Engineer homes, they can then transform this energy how they choose. Packages can be constructed from engineers (and then visible through the equivalent of metalens) where people can choose what to buy with their energy. Individuals can have their own garden spaces, or choose anywhere to deposit the energy to meet their needs.

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How to get the funds:

1. Keep older generations alive longer (renewable bodies). They have most of the money.
2. Focus on essentials, rewire the collegiate curriculum.
3. Apply engineering findings quicker, drive down costs. Collaboration everywhere.
4. Energy will be a huge form of currency. Learning how to harvest energy efficiently and transform that into any desired goods will be the next way to basically evolve the market.
5. Cut out nonessentials. If markets don't evolve, that is their fault.

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Keeping the balance/interconnecting nodes/ensuring safety:

1. Open Quantum System  
([https://learning.edx.org/course/course-v1:University\\_of\\_TorontoX+UTQML101x+2T2019/block-v1:University\\_of\\_TorontoX+UTQML101x+2T2019+type@sequential+block@8022840dfd7a438981ea6aa15501a0e5/block-v1:University\\_of\\_TorontoX+UTQML101x+2T2019+type@vertical+block@98ee8580d4d34a0d858d59a178c92d49](https://learning.edx.org/course/course-v1:University_of_TorontoX+UTQML101x+2T2019/block-v1:University_of_TorontoX+UTQML101x+2T2019+type@sequential+block@8022840dfd7a438981ea6aa15501a0e5/block-v1:University_of_TorontoX+UTQML101x+2T2019+type@vertical+block@98ee8580d4d34a0d858d59a178c92d49)) \*\*infinite energy limit\*\*
  - a. Can efficiently allocate energy across the nodes, continuously. Also accounts for shifts in demand in global variability (dependent on day time/ zone), as well as individual variability.
2. Quantum Many-Body Physics  
([https://learning.edx.org/course/course-v1:University\\_of\\_TorontoX+UTQML101x+2T2019/block-v1:University\\_of\\_TorontoX+UTQML101x+2T2019+type@sequential+block@b40b2b1cbc0f4034b9cf0ff67057cd8c/block-v1:University\\_of\\_TorontoX+UTQML101x+2T2019+type@vertical+block@3669358ee61b460e90b3d3e13f7700aa](https://learning.edx.org/course/course-v1:University_of_TorontoX+UTQML101x+2T2019/block-v1:University_of_TorontoX+UTQML101x+2T2019+type@sequential+block@b40b2b1cbc0f4034b9cf0ff67057cd8c/block-v1:University_of_TorontoX+UTQML101x+2T2019+type@vertical+block@3669358ee61b460e90b3d3e13f7700aa))
  - a. Scaling with respect to: renewable energy, nodes, education... very efficient.
    - i. Can give precise time estimates of certain goals, as well as ways to optimize the time competition of tasks that should be prioritized.
3. ...

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How to capture diversities of energy at scale within a planet (apply the Ising model for pivoting):

1. Multiple vehicles that can store energy (equivalent to planes or semis), with the ability to link up and store a central device that is massive to harvest the given energy (stored in separate vehicles, then reconfigured).
  - a. Planes/Space stations can even capture cosmic rays , which will lead to the discovery and allocation of various forms of elements and energy.
2. Transportable across the continent that will allow analytic tools to accurately and efficiently capture energy, and then allocate to a location for distribution (diagonalization?).
3. Can we apply transformer neural networks in juxtaposition with: robotics DNA + metalens in order to manufacture materials that are renewable/reconfigurable to the user? This would save tons of resources.  
[https://learning.edx.org/course/course-v1:University\\_of\\_TorontoX+UTQML101x+2T2019/block-v1:University\\_of\\_TorontoX+UTQML101x+2T2019+type@sequential+block@b40b2b1cbc0f4034b9cf0ff67057cd8c/block-v1:University\\_of\\_TorontoX+UTQML101x+2T2019+type@vertical+block@49224add55b3492385a7e935aa9aa0bd](https://learning.edx.org/course/course-v1:University_of_TorontoX+UTQML101x+2T2019/block-v1:University_of_TorontoX+UTQML101x+2T2019+type@sequential+block@b40b2b1cbc0f4034b9cf0ff67057cd8c/block-v1:University_of_TorontoX+UTQML101x+2T2019+type@vertical+block@49224add55b3492385a7e935aa9aa0bd)
  - a. Apply various types of machine learning to vision:
    - i. Supervised = offer recommendations for outcomes (in the form of existing packages).
    - ii. Unsupervised = user constructs what they would like (creative, user creates their own library package).
    - iii. Reinforcement Learning = fixing mistakes, aiding users in both their supervised and unsupervised learning methods.

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How to efficiently allocate energy cross-planetary sustainably:  
COMING SOON