

Objective:

By 2025 live within a solar budget.

Problem:

Solar energy collection systems (sun, wind, tides) destabilized the centralized "single-machine" design of the electrical grid. IEEE limits inputs to 15% because they behave like leaves or web servers.

Solution:

Self-reliance is local. Mimic nature, make and distribute synthetic natural gas in chemical distribution networks. Nature stores and distributes energy via chemistry (food, wood, oil, coal, natural gas).

Create Warm Blooded Buildings™ by generating electricity at the point-of-use; waste heat accomplishes economic work; water, space.

Execution:

Self-reliance is local: Focus on small systems with less than 8 year paybacks.

Market Niche: Self-reliant clean energy systems of 1-250 kw. Economic lifeboats, durable against oil prices.

Funding: Construction privately financed.

Emissions: Zero.

Power Sources: Solar and wind have Net Energy of greater than 20:1 (Useful energy relative to energy spent to get energy).

Off-peak electricity, fossil natural gas and agricultural wastes are options.

Jobs: Re-tooling power generation will create manufacturing and construction jobs. Re-tooling communication created millions of jobs.

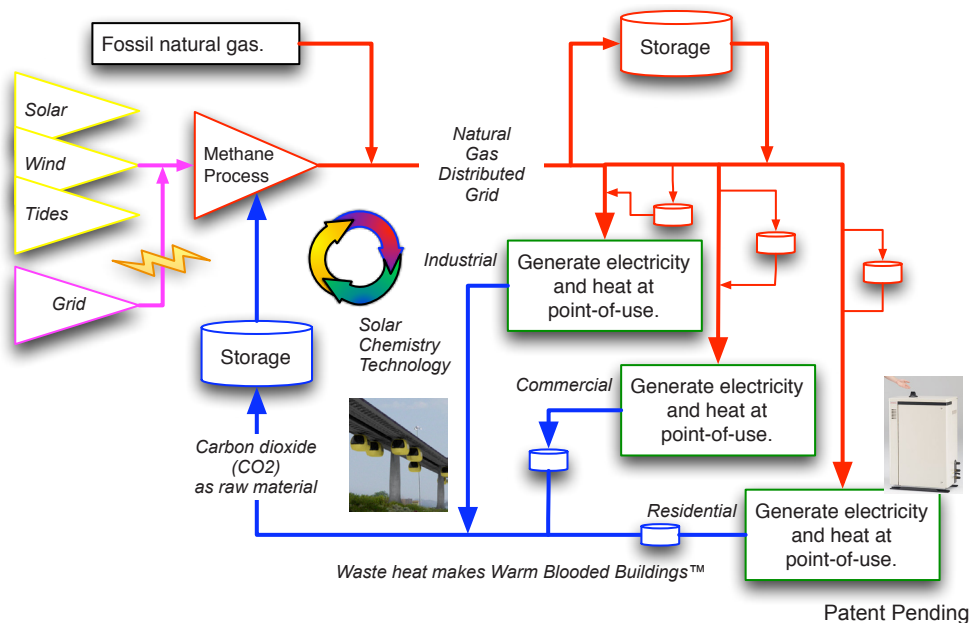
Exporting system to developing nations creates US jobs.

Transportation: Applied to JPods networks, urban transportation operates within a solar budget.

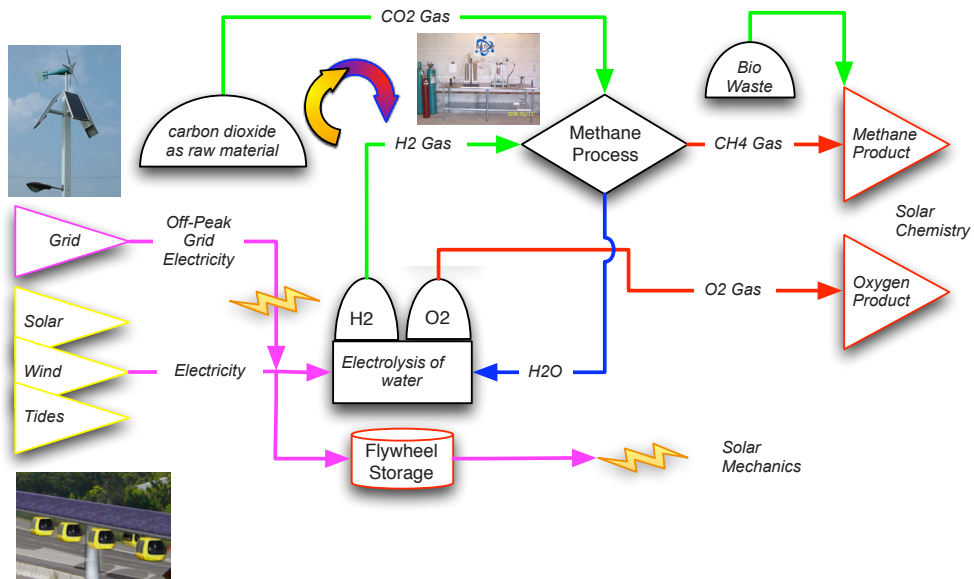
Action:

Contact us to build your economic lifeboat today. Self-reliance is local.

Distributed Grid, the Internet for energy.



Energy Server™: Solar to Methane Process



Wisdom of Thomas Edison:

"Some day some fellow will invent a way of concentrating and storing up sunshine to use instead of this old, absurd Prometheus scheme of fire. I'll do the trick myself if some one else doesn't get at it.

Sunshine is spread out thin and so is electricity. Perhaps they are the same.

When we learn how to store electricity, we will cease being apes ourselves; until then we are tailless orangutans. You see, we should utilize natural forces and thus get all of our power. Sunshine is a form of energy, and the winds and the tides are manifestations of energy.

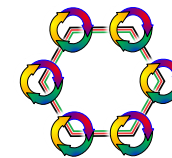
Do we use them? Oh, no! We burn up wood and coal, as renters burn up the front fence for fuel. We live like squatters, not as if we owned the property.

There must surely come a time when heat and power will be stored in unlimited quantities in every community, all gathered by natural forces. Electricity ought to be as cheap as oxygen..."

(Little Journeys to the Homes of the Great, 1910)

"I'd put my money on the sun and solar energy. What a source of power! I hope we don't have to wait 'til oil and coal run out before we tackle that."

(Conversation with Henry Ford and Harvey Firestone, March 1931)



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