



Lifepod

A strategic global recovery tool

Off grid sustainable communities are the future, but current technologies are expensive. Is it possible to remove most of the complexity and cost from sustainable community design?

More importantly, is there a sustainable solution for modifying existing homes and communities, since this is where the vast majority of humanity lives?

What if any home could be converted to provide all basic energy, food and water needs indefinitely, becoming fully sustainable, off grid.

What about a hurricane, tsunami, earthquake, eruption, economic disaster? How do you still protect your family if you have to leave your home?

Could all of this be achieved at no cost?

These are the questions that led to the Lifepod solution.

The Lifepod is designed to provide sustainable off grid conversion of existing homes and communities, at a global level, at no cost.

Building an off grid sustainable home using wind or solar energy is expensive. Energy use must be balanced carefully. Efficiency is critical. Extreme climates make this task even more difficult. Yet the essence of a sustainable home or community is simple – to produce all energy, food and fresh water needs on site. It is the current level of technology that makes this task complex and expensive.

By reducing these key issues down to a single portable system, design of both sustainable communities and conversion of existing communities becomes far simpler. This is not possible with traditional technologies.

The Lifepod solution

The Lifepod integrates advanced breakthroughs in energy, automated superorganic food growth and water extraction technologies into a single portable modular system. The Lifepod can produce all power, food and drinking water needs for a family home indefinitely from a small 7' x 12' trailer. This decentralized approach can provide security in any location or climate. More importantly, it can be deployed at no cost, since the monthly savings in food and energy are greater than the monthly cost of purchase.

Simple solution

With a Lifepod attached to a home, super-organic food is grown automatically in an enclosed climate controlled space – a living pantry. Insulation and an advanced LED grow light system provides optimal growth conditions in any climate. This allows a fully insulated enclosure without need for sunlight. All fresh drinking water requirements are extracted from the air indefinitely even in a desert climate. Power is provided by a fuelless Zero Point generator that provides all electrical needs for the home.

In many areas, the Lifepod would not only cost nothing, but a considerable income could be generated by selling energy back to the grid. The average home in the US only uses 25th of the rated line capacity which means that, at 10 cents/kwh, a Lifepod would earn over \$2,500/month in energy income alone.

Advantages

True family security comes down to self reliance. In affluent cultures, a centralized economy is far too vulnerable to a variety of potential threats while in the third world, lack of basic resources cause significant stress and hardship. Even from a day to day perspective for the average American family, the stress of earning enough to pay for basic needs is considerable. If a family can automatically provide its own survival needs, then oil shortages, drought, food shortages, terrorist attacks, hurricanes, pandemics, earthquakes or economic issues create far less threat or stress.

Portability may be the most important capability of this system, providing self reliance in any location, even if a home must be abandoned. Capable of being towed behind a small car, a self powered climate controlled Lifepod can provide all basic needs in any location or climate.

Sustainable economics.

We now know that several critical mistakes in science are primary contributors to current global crises. These involve basic misunderstandings of both energy and nature. We have believed that nature is competitive dominant and that energy is a limited resource that must be stored and moved around. These beliefs have created havoc at a global level. Our business and economic models have been based on the same concepts of competitive aggression and lack. We compete to the detriment of our future survival, while the concept of fuel has polluted our entire ecosystem, creating economic slavery and poverty for the majority.

Neither concept is correct. Nature is cooperation dominant and abundant energy is available anywhere using zero point technologies and physics. The inevitable emergence of this knowledge will impact every area of human experience and it has already begun. However, we are now faced with an urgent and critical transition from a failing system based on the concept of fuel, to an abundance based economy, understanding that the very concept of fuel is insane. Why transport what is already everywhere?

Free, abundant energy inevitably leads to an abundance based economic system.

Transition strategy

Since shifting from a competitive fuel based economy to a sustainable fuelless economy obsoletes and decentralizes many basic infrastructures, significant job loss and job shifts are inevitable. However this is already happening in our failing economic system. Transition strategy is critical. The Lifepod is designed to minimize the complexity, damage and duration of that transition by enabling a family to survive with no outside assistance. At the same time, the Lifepod quietly introduces the primary elements of a sustainable economy based on corrected physics of energy and food abundance.

The Lifepod is specifically designed to enable economic transition with minimum disruption in any climate, economy or culture. By protecting the family unit at no cost, it also provides the basis for a decentralized, cooperative dominant culture and economy to emerge.

Integration and deployment strategy

The Lifepod integrates existing breakthrough technologies in the areas of superorganic food growth, advanced water access and structuring, energy generation, heating, cooling, lighting, automation and advanced healthcare.

There are many levels to the Lifepod deployment strategy. Each breakthrough employed in the Lifepod can also create a domino effect of potential markets, from transportation to healthcare. The technology behind the energy generators obsoletes all other sources of energy at any scale with far less cost and use of resources. Advanced food and water technologies revolutionize all areas of agriculture, health and water use. The heating and cooling technologies apply to all markets requiring temperature manipulation or filtration. Advanced health technologies can be integrated into food production, water extraction, lighting, air treatment and even construction materials. Waste recovery technologies have applications in mining, sewage treatment, landfill recapture and material science.

By justifying and integrating all these potentials into a single scalable, modular approach, various capabilities can emerge naturally in various markets, rather than trying to compete directly in areas that may be highly resistant to change. Portable food production does not appear to pose an immediate threat to the energy or transportation industry for example.

Separately justifying and funding dozens of technologies with as many business plans would be complex, both financial and logistically. Since global recovery is synergistic, integration of technologies is as important as individual capabilities.

From a financial justification perspective, investing in a single project not only enables urgent individual technologies to emerge as a far larger secondary effect, it simplifies the process into a single management task and focuses integration of cutting edge breakthroughs towards the most important issue; protecting families from the widest range of potential threats during a critical economic and environmental transition process.

Micro sustainability

The future capability of the Lifepod approach comes from miniaturization. A small bottle can constantly extract and purify water from air so that it always provides life support. This is possible in even the driest climate and removes nothing that is not returned to the environment. The principle is similar to a dehumidifier. The same bottle can also process and program the water for health and even grow enough algae based nutrients using advanced lighting for an individual to survive. This life saving personal device could be airlifted and dropped by the millions in disaster and refugee situations.

Conclusion

Removing scarcity helps eliminate poverty and reduce violence. Consuming food and water that benefits from the latest health technologies can dramatically reduce risk and cost of illness and suffering in any culture. Reducing the need to work for basic survival removes many of the expenses of living in any economy or culture. The Lifepod addresses all these issues with a simple direct approach. As a concept, it is not tied to any particular size or approach, as a trailer, closet, backpack, raft or airdropped self inflating building. It is a concept of decentralized portable survivability that can adapt to the needs of each situation using mass produced modular components.

The Lifepod approach can help resolve disasters, poverty, starvation, healthcare, drought, domestic and community survival, family security, economic stability and environmental recovery. It's primary function is to enable sustainable transition and personal security at no cost. Combining this capability with other strategic breakthroughs creates a powerful combination of solutions for sustainable economic and environmental recovery at any scale.

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