Net Zero Carbon mobile shelter delivered on demand.

We are hi-tech mobile structure/shelter that can be deployed installed and moved where demand is. It has flexible layout that allows it to be used for more than one use such as spectator space, school, community space, clinic, lab, and many other uses. It is 1600 square foot mobile structure that can be easily be shipped from one destination to another on two trucks. The total size is 29’x56’

Off the Grid and on the open land.

It is self-sustainable from energy to waste management and can be placed socially in distance in desert, mountains, land with minimal infrastructure. It is designed so that the space is part of the environment. It uses passing housing design to manage solar energy and naturally air conditioning the shelter space.

**We are also trying to solve these environmental problems:**

**Changing Climate:** Construction contribute 40% of world’s carbon emissions

**Building for Single use:** Most building function for single or fix uses

**Not adaptable to all weather:** Most buildings are only designed for one environmental zone

**New Terrain:** Most building require site work that damages the eco system and are fixed to the ground

**Industrial Impact:** Building industry cannot scale easily when there is new demand created.

**Our Solution:**

**Clean Energy:** Passive housing design allows us to maximize the solar energy from sun and the planet. It also allows us to use land to condition air for cooling and heating. Floor are built with electrical radiant heat panels to naturally heat up the space.

**Migrate without damaging the planet:** Easily be moved from one site to another.

**Healthy Planet:** No dirt is dug. Hydraulic legs adapt to any terrain within 20% slope.

**Flexible Space:** Space can be divided into 5 zones or made into one zone.

**Easy to Maintain:** incinerator toilet, grey water filters, insulated freshwater tanks, skylights with fans, batteries, and fresh air recovery systems easily accessible from under the trailer and roof.

**Waste:**

Incinerated waste is biodegradable. The filtered grey water can be used for planting and cleaning

**Installation:**

Build in a factory floor and delivered to roadside by a trailer truck. Once next to Fly Ranch a tugger will tow the unit to specific allowable zone. The unit comes with built in hydraulic legs that can level the unit to any terrain less than 10% slope. The wheel hitches are removed, and a breathable skirt is placed around the trailer frame to prevent objects and people entering below the trailer space. The 6” Marriage line gap is filled with 6” seismic seal and toped with 12” steel toe.

Energy Used:

1500 K watts per hour

Material:

Primary material is steel from the skin to the structure. Only the inside face of the walls and floors is plywood. Why plywood, it is easy to add/nail new surfaces (local) and finishes to plywood than a dry wall.

Cost:

$150,000. We will stick to the budget because I am good at bid leveling.