pacifikoop
PACIFIC GREEN COMMUNITY

South Pacific

GREEN BUBBLE HOUSE©

BUBBLE GREEN - THE FUTURE OF MODULAR CONSTRUCTION IN THE PACIFIC - Anti-seismic (10 on richter magnitude)- High resistance to Cyclones(cat 5)

A construction perfectly adapted to the Pacific islands, the finished project is fully Natural & éco friendly, the impact on the environment is zero, all the renewable energy are available for "Green Bubble House ©" - **Biogas - Solar panels - Solar water pump - Rainwater recuperator** - thus offering a perfect autonomy to this installation of the future with comfort and safety for its occupants.

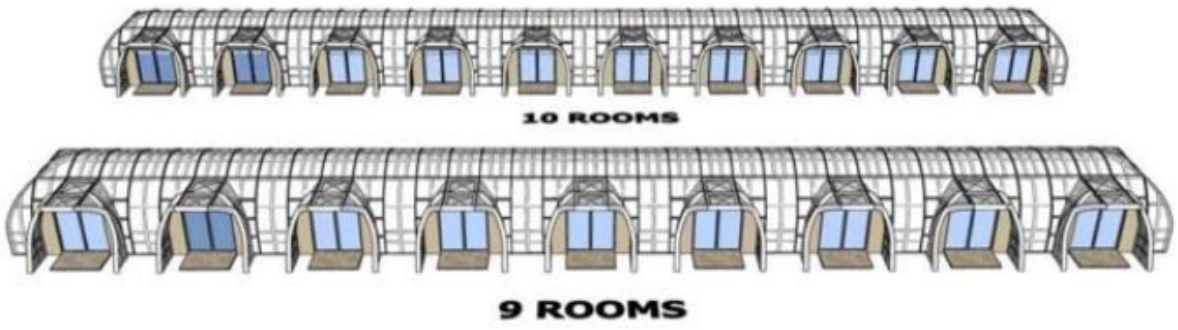
AN ARCHITECTURAL REVOLUTION

A very round construction which does not present angles to the gusts of the winds and being able to resist to pressures of 930 hPa that is to say more than 230 Km H. (average winds on 10 mnts in Km H).

This technological innovation, thanks to its assembly system, also guarantees resistance to seismic tremors up to 10 on the Richter scale. The balance of forces applied globally makes it possible to dimension the general stability of the construction: bracing, lifting, tilting, wind resistance, anchoring to the ground.

Increasingly used in countries at high risk of natural disasters (such as Japan and the Caribbean islands), there is no doubt that Green Bubble House © will find place among the dwellings of the South Pacific region.

It is noted that this type of architecture is similar to the constructions of the "olders" who understood the need to reduce the surface area of wind catchments long before the architects of our time.



Green Bubble House ©

ECOLOGICAL-SUSTAINABLE-ECONOMIC

For several years Pacifikoop (PT.VIVO) has been offering prefabricated construction possibilities. This new concept joins our catalogue of innovative, ecological and autonomous concepts.

INNOVATIVE STRUCTURE

The structure provides a bulwark against heat, and weight can be added to the entire structure to increase its effectiveness against natural elements and severe weather.

Structures are strong enough to easily support large loads such as large amounts of soil to "plant terracing" the structure in part or in whole.

In fact, green roofs provide support and stability to the structure. The result is a gondola that can withstand bad weather, high winds and even earthquakes of 10 on the Richter scale.

Seismic -+/- 10 on the Richter scale.

Cyclone - wind resistance of +/- 230 km h - or +/- 930 Hpa

The panels are made of FRP (Fiber Reinforced Polymer). This improves strength and durability.

The speed of construction varies according to the expertise and scale of the construction.

Builders should note that this three-day construction idea is for the most basic option with the smallest number of components. They can then lay the foundations, lay the ducts and main connections, assemble the panels and install the roof.

Build in three days?

It is this idea of a three day build that it the issue. This seems far too quick by general standards of building and construction.

Naturally, many will worry that this is low-end, flimsy approach with poor materials and fixtures. This is not the case at all.

This is a modular home with a difference.

Green Bubble House ©

The speed of construction is the result of the design and structure of the panels used. These panels are assembled to form basic modules that manufacturers configure according to the design they have chosen. These prefabricated panels are designed for perfect resistance and guaranteed for 30 years!

Environmentally friendly?

Temperature control is one of the main focuses in the sales claims here. The structure of these domes allows for regulated heating in the winter, while strong ventilation keeps it cool in the summer. This is as straightforward as it gets when it comes to energy conservation in a green home.

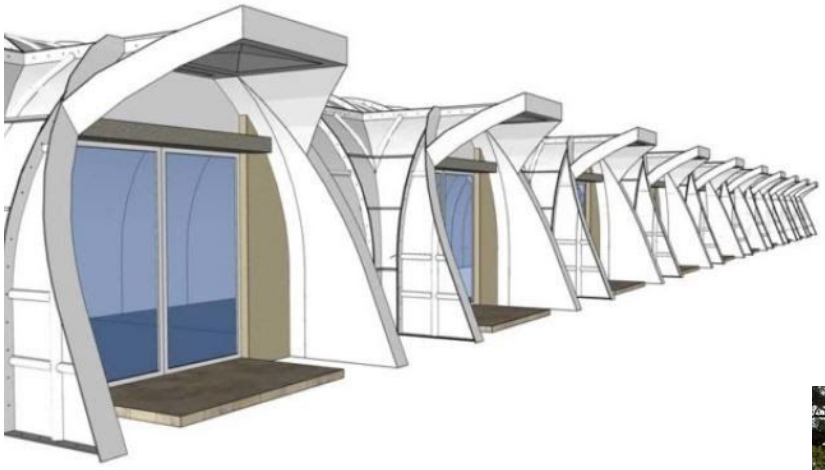
Universities and experts have been studying green roofs for a while now. Their impact on heating and cooling systems is impressive. This use of a full turf roof over a small dome, with the addition design features, increases this potential.

Of course, there is more to this green roof than insulation.

Ecological and built in three days!

(for the 24 m2 model.)

Green Bubble House © offers a solution that is an attractive alternative with impressive advantages. The form of construction is efficient and combines traditional ideals and modern approaches.



The shape and materials of the panels make these eco-friendly homes easy to build in a variety of configurations. The use of the roof and the clear climate control offer ecological benefits on a larger scale.

This house is the antithesis of large-scale construction projects that destroy green land and provide a few homes in a few months. The potential for homeowners and ecotourism projects means that this idea is sure to gain popularity.

ADVANTAGES INCLUDE

- Interiors with high ceilings, tall windows, and expansive spaces.
- Continues ambient airflow inside the unit, with no stagnant corners, requiring less energy to circulate air and maintain even temperatures.

High energy efficiency

The FRP panels combined with the integrated insulation make the structures very energy efficient by minimizing heat transfer to maintain a constant and stable temperature inside, independent of the external fluctuations.

Water and corrosion resistant

Water accounts for 25% of all homeowners insurance claims. Our water and corrosion resistant structures are shielded with two layers of waterproofing elements to prevent infiltration and prolong the life of the units.

Natural Environment

The Green Bubble House © technology is designed to be covered by lush vegetation allowing integration with any natural environment. Enjoy an environment of flowers, fruits and greens around your house and feel nature like never before.

Modular construction

Our modular framing system reduces material at the construction site by 60% and can reduce building time up to 80% when compared to traditional construction. Layouts are easily personalized and can easily adapt to the local environment and available resources to streamline the construction process.

Works with traditional construction

All internal layouts are designed to be built with traditional construction systems. Compatibility with traditional construction provides the best of both worlds: ample spaces and advanced technology with the cost benefits of traditional systems including plumbing, electric, mechanical, etc.

High technology

Organic shaped spaces with high ceilings built with modular elements made of FRP with high technology manufacturing. Options include bio based resins (25% soy based) or Food Grade panels manufactured with resins that meet the requirements of FDA (Food & Drug Administration) Title 21 CFR177.2420.

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