

Biosphere.

[Project title]

HAo8_PUUWD

[Office ID]

Project information

Project data

City
Sankt Peterburg

Country
Russia

Type
Mechanical engineering

Status of planning
Under construction

Status of formal permission
Application in preparation

Estimated start of construction
Okt '07

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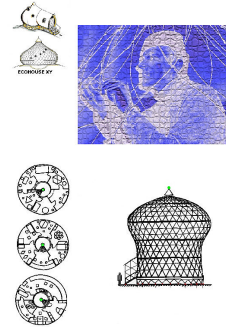
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Prize money distribution statement

Sevnin- 50%; Napalkof 50%

Project description

The step for sustainability. We are in a spiral hoses spiral galaxy. Energy and matter travels around the spiral. It is coded in our nature DNA. Using spiral principle DNA for design of the houses.

The Priority Project-author of the patent in 1991 "Folding frame-based shell netted rotation" the certificate No. 8380, 04 E B1/343. Biosphere is a unique educational ambience for student and displaced persons, refugees from natural disasters. The Biosphere, for production netted shell carcass, can minimize the energy costs and material.

The Diameter of the Project Biosphere. - 5 metres. Membrane Biosphere - consists of steel folding mesh frames, three layers to insulation (polyethylene, carbon, glass filament), blue polymer cement, sheet metal, veneer, fabrics.

Target group; children with genetic alteration, schoolchildren, volunteer, students, displaced persons, refugees from natural disasters. The Project provides the detailed instruction for all, who will be capable to build the house - Biospheres in the field of low prices with maximum conservation of the ambience and energy everywhere.

Novelty project- use local material available; the moss, fabrics 3D polyethylene, sheets of the veneer, and packing frame of the metal of the steel wire was formed on base of the structure gene and DNA. The membrane of the building was going to minus welding and minus drill, no waste. Portable carcass - based like genes, 3-5 metres on length (the chromosomes X Y), bolt (Nucleotide). The Production elements folding mesh frames carcass like analog Machine - ribosome living cell. For resident of the building, have a mobile telephone and Internet. When flooding Biosphere - sailing. The Project can be realized on north or south. The Prices of the Building in area available to save the alive nature, wood. The Syntheses of the genetic knowledge and mechanical engineers the provides of the fantastic variety architecture. The Project tested the mini a project for people with genetic alteration (supported International FUND). The Significant industrial principle for sustainability future - a structure DNA. I am a faith that introduction to spiral technology will help to solve the problems a vein in the world and creation in stable civil society. Everyone will be able to build his home in Siberia or on the shore of the ocean. "If a DNA-RNA genetic code programs roses the design of roses, elephants and bees, we will have to ask ourselves what intellect designed the DNA-RNA code as well as atoms and molecules which implement the coded programs." - R. Buckminster Fuller. Technology spiral for design airship and submarine, can be used (Carbon, nomex, nanotube) for space of the space houses and hothouses.

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Measuring up to the target issues for sustainable construction

Quantum change and transferability

[Self assessment]



The evolution, embodies the draft environmental regulations for construction of houses spring steel wire, a few machine operation speed, with the formation of attachment hinge frame and cover.
 Nerzhaveyuschyaya steel wire curls badly once by automatic machines in the XY elements of the carcass.
 Biosphere invention is based on the spiral of DNA topology and XY genes.
 Using a combination of new information technologies and helical DNA technology to fulfill military zavodh at St. Petersburg, a series of residential bioclimatics, autonomous, compact structures for transportation anywhere in the Earth and beyond its borders.
 Biosphere is a heat pump house.
 The prototype -
 Nizhny Novgorod the Great Exhibition, The Engineer, vol. LXXXII, LONDON, 1896, VII, 10.
 Shukhov V.G.

Ethical standards and social equity

[Self assessment]



They invented, coats, yurt, the dome.
 Biosphere - house fully autonomous and safe. Task Force Project
 people from villages and towns, students, children with disabilities, immigrants, bezhentsy- new nomads into new territory. Houses can float on water and air using helicopters and airships.

Ecological quality and energy conservation

[Self assessment]



Helix Technology, on the basis of the structure of DNA building permit to build a house anywhere in the field of the Earth.
 Biosphere. B. Vernadsky.
 Analogous belka- stainless steel wire, fastening sheets cover using screws actually nucleotide analogue - fastening connection DNA.

Economic performance and compatibility

[Self assessment]



Biosphere, two floors, with the exterior surface 80 m2- \$ 8000
 Floor-1- 6 m2
 Floor-2- 18 m2
 Folding mesh of steel wire frame- \$ 2,000
 Steel sheets rhomboidal- \$ 2,000
 Anyway polyethylene 3D- \$ 1,000
 Polymer cement- \$ 500
 Sheets of plywood- \$ 500
 Textiles- \$ 500
 Fastenings- \$ 300
 Hydro steam isolation of glass and polymer tissue- \$ 500
 Transportation- \$ 200
 Installation of the biosphere- \$ 500

Contextual and aesthetic impact

[Self assessment]



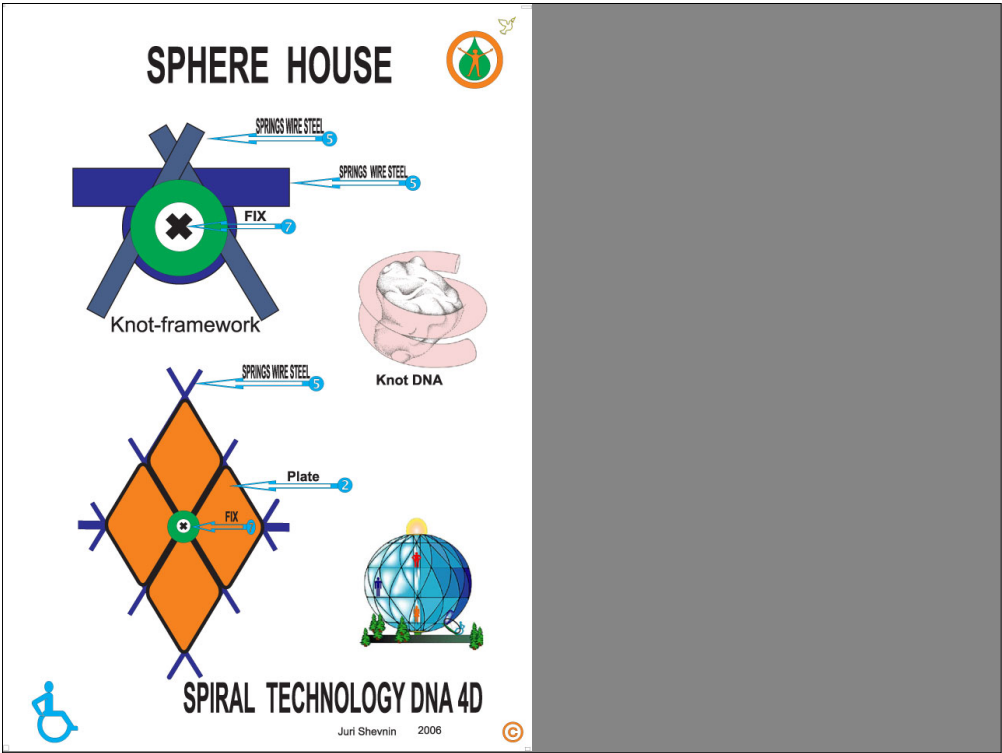
Henry David Thoreau. Walden, or Life in the forest.
 What is a man, not as the mass of wet clay?
 The flesh of our fingers is in the form of frozen drops.
 A. Enshteyn.
 This building would not have been possible without the Euclidean geometry.
 Thus, we can not cover all of our planet one great American city.
 One glance at the globe to convince you of this.

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Project visualization

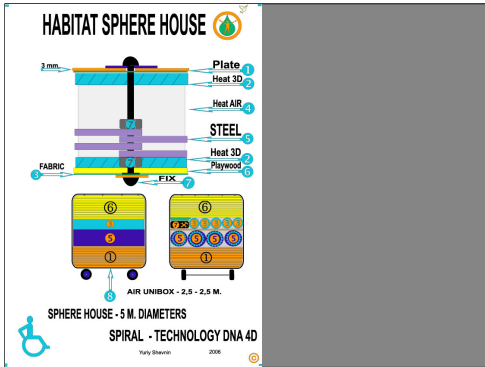


biosphere house

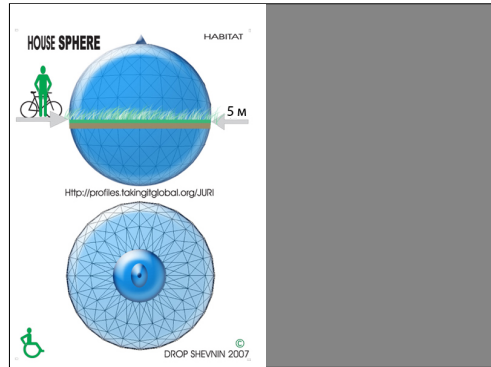


Knotted and cover the carcass home

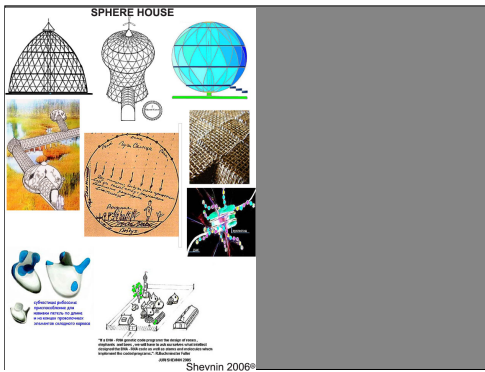
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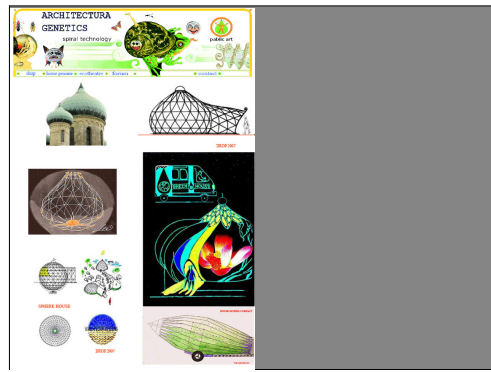
knot cover homes



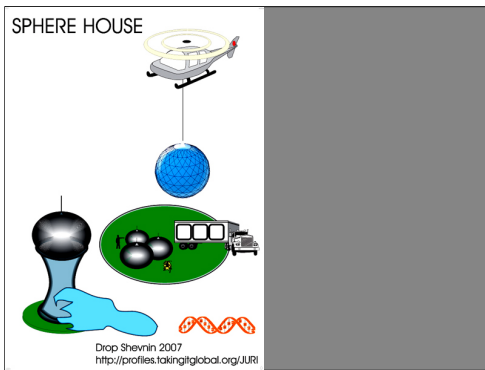
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similar options



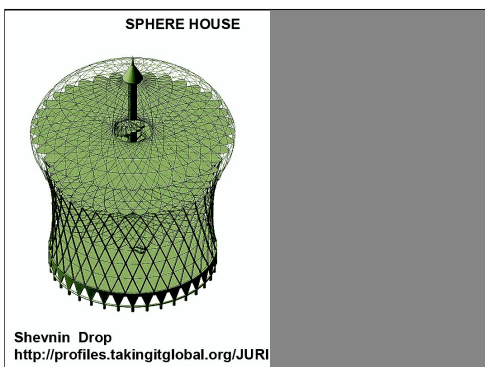
similar options



biosphere flooding in Siberia.



amphibians on the water.



biosphere 2



options and author

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Ethical standards and social equity continued

Economic performance and compatibility continued

The load on the foundation of the building spherical- 6 g/sm²

The author is planning the construction of an experimental biosphere at the personal plot of land.