www.geodomas.eu
baltic@geodomas.lt

We develop architectural and design projects, residential buildings, based on the geodesic dome, as well as manufacturer of all required elements.

LIVING HOME

75m2 Ø8m F4+ Height 5,8m

Withstands extreme temperature conditions from -40C to +80C degree;

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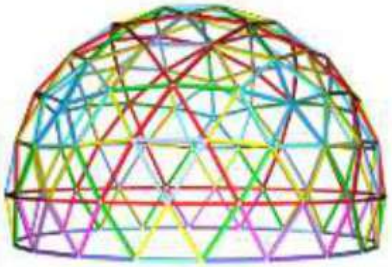
LIVING HOME

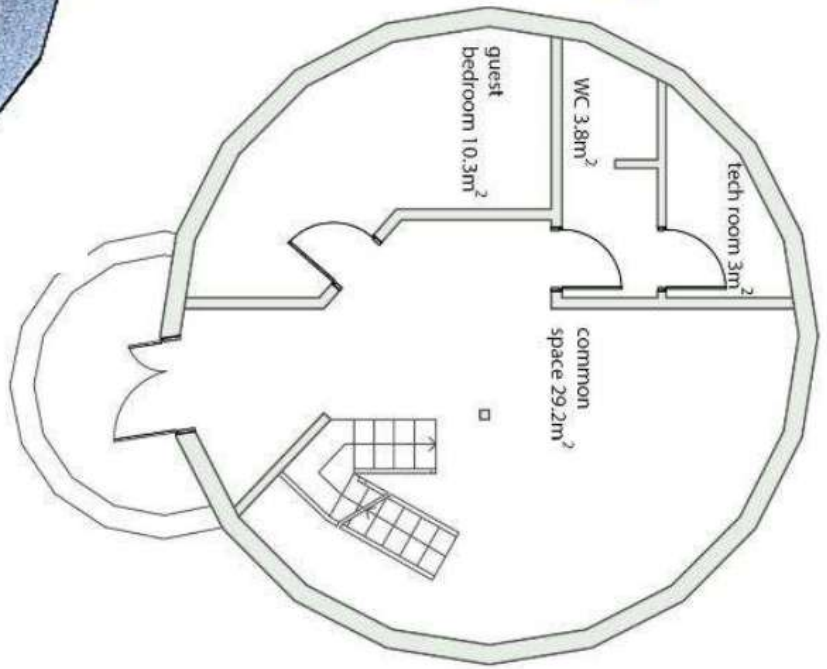
75m2 Ø8m F4+ Height 5,8m

Withstands extreme temperature conditions from -40C to +80C degree;

75m2 LIVING HOME A+ Ø8m

First floor : 50m2
Second floor 25m2
Height 5,8m
Cover area : 155m2





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Short construction time. The construction time of a log house on the construction site lasts up to 3 months. Prefabricated and frame houses are usually manufactured in the factory, so on-site assembly takes up to a week.

LIVING HOME
75m2 Ø8m F4+ Height 5,8m

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Innovative strut and structure design working in full integrity with embedded sealing components, making it easier for everyone to build geodesic domes. Whatever your building purpose is, our kits are designed to maximize your overall geodesic dome experience not only in building stage, but also in using and enjoying for many years to come!

LIVING HOME
75m2 Ø8m F4+ Height 5,8m

75m2 LIVING HOME A+ Ø8m

First floor : 50m2

Second floor 25m2

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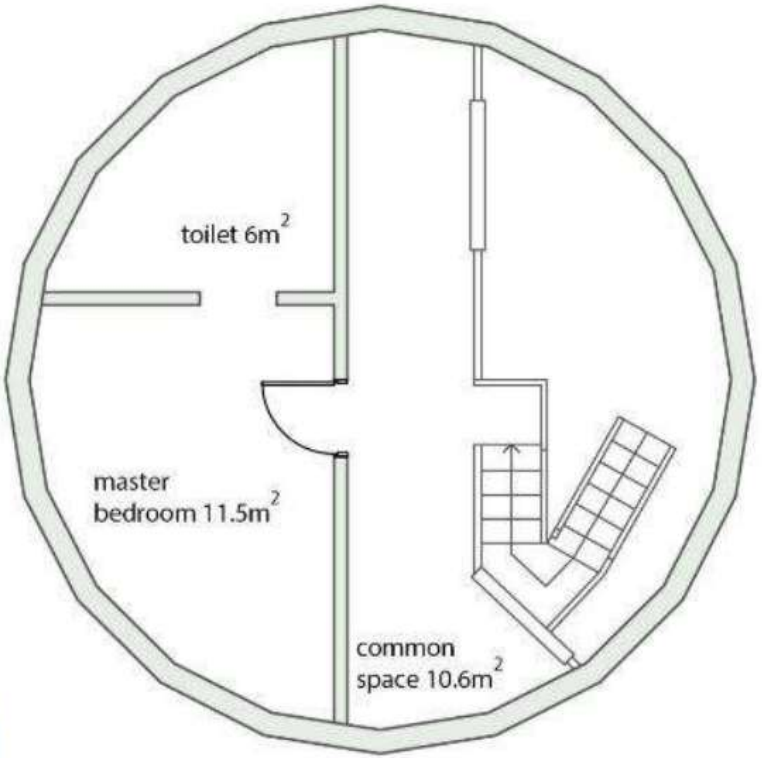

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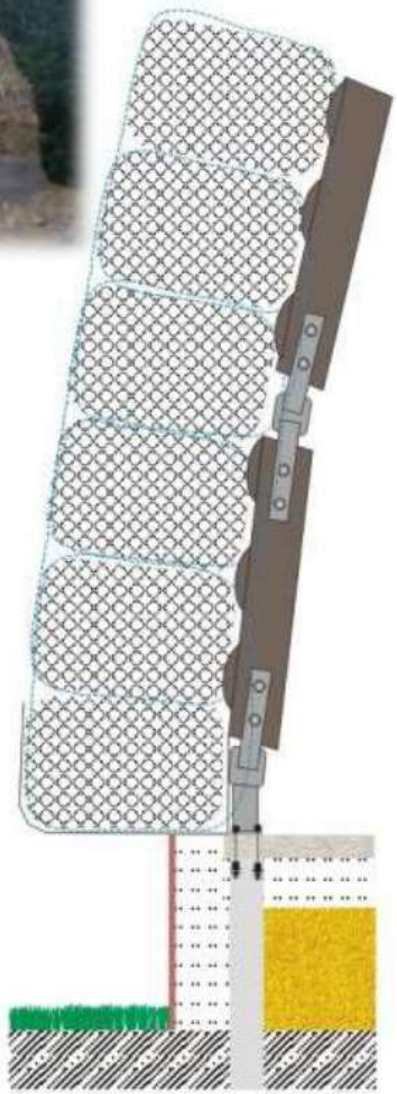
Frame installation - calibrated wood beams C24 classes 45x145mm, and metal intersecting connections.
The wooden frame consists of vertical and horizontal elements.

The wooden frame is hung with boards on the outside and lined with straw blocks. The straw blocks are stapled together and simultaneously fastened to the boards. The voids between the straw blocks are filled and sealed with straw. The most popular sizes of straw blocks are b=40-60 cm. ; h=30-40 cm; l=40-120 cm. At straw as a building material, excellent thermal, sound construction, environmental, biological characteristics. At a density of 80-100 kg per cubic meter coefficient of thermal conductivity - 0.05, four times better than wood! For comparison: brick - 0.7, concrete - 1.8.Plastered straw does not burn or rot. The fire resistance of a plastered straw wall is about 120 minutes. Sound insulation (absorption) of 55 dB.Another plus - durability, the life of such houses - up to 500 years. From straw, by the way, baths are built. Straw "breathes" much better than wood, has excellent vapor barrier properties.For interior decoration, you can use a wooden frame can be equipped with additional fasteners to change the shape of the dome into a bandstand. Translated with www.DeepL.com/Translator (free version)



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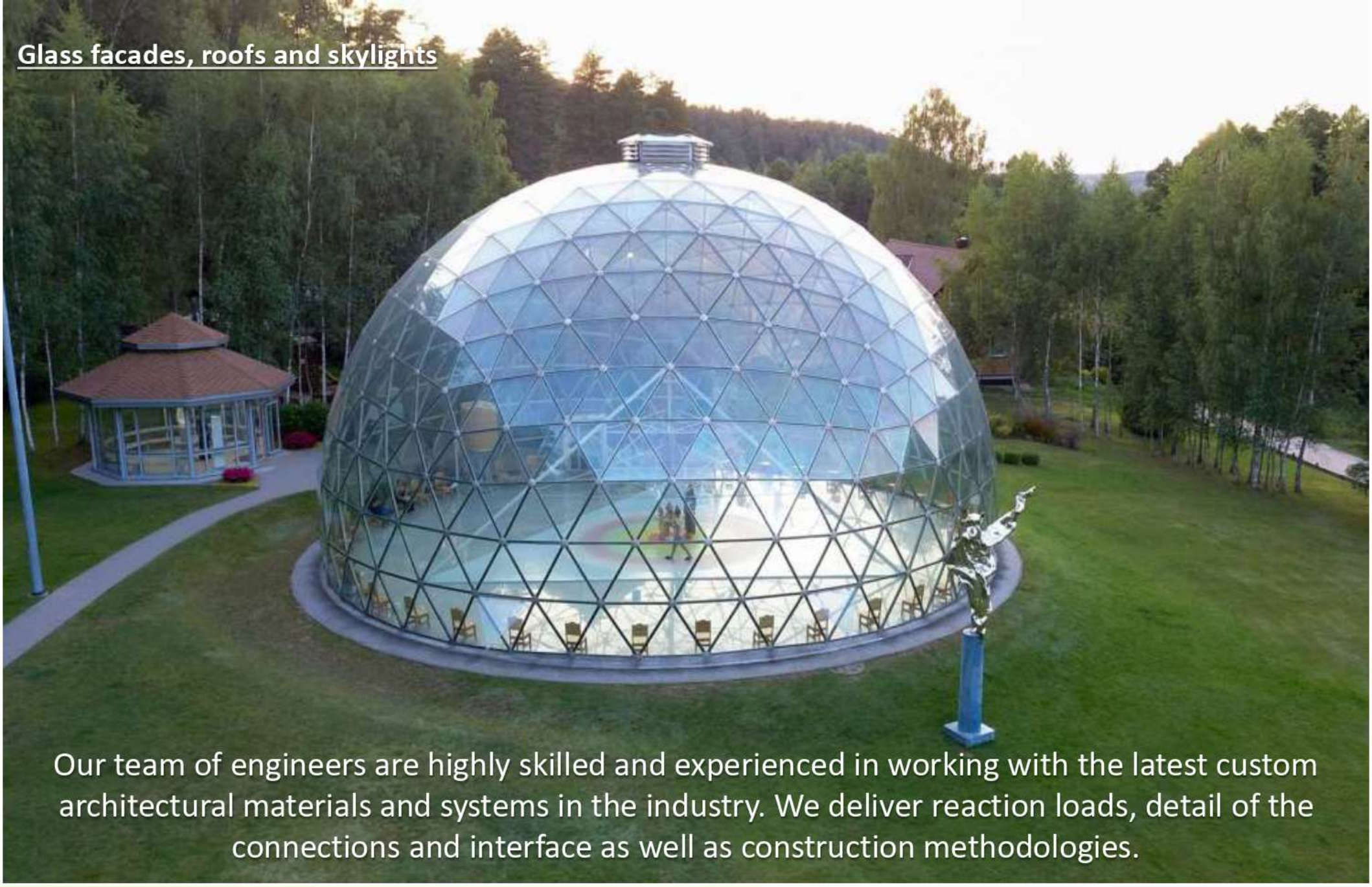
Your vision will come alive as your dome is crafted exclusively for your location offering the perfect view, natural light, and desired privacy.

LIVING HOME
75m2 Ø8m F4+ Height 5,8m

Glass facades, roofs and skylights



Our team of engineers are highly skilled and experienced in working with the latest custom architectural materials and systems in the industry. We deliver reaction loads, detail of the connections and interface as well as construction methodologies.

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baltic@geodomas.lt

DOME MODEL
372m2 Ø22m F8+ H12,4m

FULL GLAZED FAÇADES | ONE LAYER

We manufacture and assemble various types of façades, roofs, structures, buildings and their elements. According to the client's architectural drawings or Technical Plan.

GLASS FAÇADES SYSTEMS
372m2 Geodesic Glass Dome
Ø22m F8 9/16 H13m

Ø15M GLASS DOME 7,5M HEIGHT PROTECTS YOUR III LEVEL HOUSE 317M2

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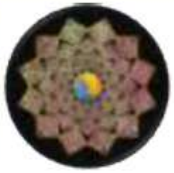
Write for Us

Dome shapes may be adapted for residential construction as well. People who are looking for a natural and harmonious space for life choose dome houses. In such houses, authentic interior solutions are implemented, and the possibilities of using light are unlimited. We can also build residential houses of the highest standard of energy efficiency for people of the northern region, and laconic homes of light structures for people living in the south. We offer a wide selection of constructions and coatings for dome houses.



GLASS COVER FOR LIVING HOME

Ø15m 176m2 F6 Height 7,5m

LIVING HOME 317m2

I-III Levels

LIVING HOME 317m2

First floor : 157m2

Second floor : 83m2 + Terrace 17m2

Loft area : 56m2

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baltic@geodomas.lt

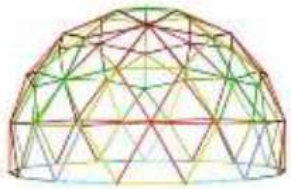
If you are seeking for green investment technology – we can offer investment opportunities for you!

GLASS COVER FOR LIVING HOME
Ø15m 176m2 F6 Height 7,5m
LIVING HOME 317m2
I-III Levels

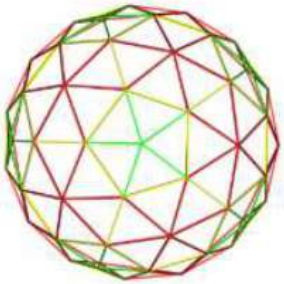
28m2 BIO DOME Ø6m :

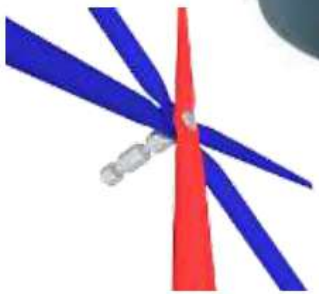
Floor : 28m2
Cover : 56m2
Height : 3,6m

Multilayer wall :: For season extension up to 12 months

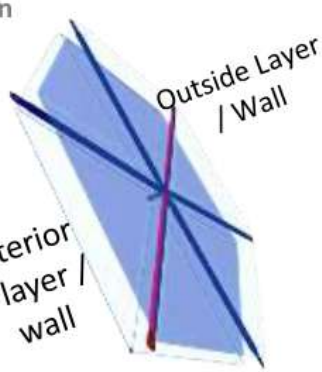


ICODOME F3





Add on multilayer wall installation



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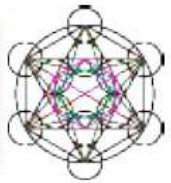
Hoods (domes) have excellent light-harvesting properties. In most cases, it is brighter inside the dome than outside even without internal lighting, due to the reflection of light off the walls and the concentration of light in the centre of the dome. The spherical shape amplifies light, while the rectangular shape concentrates light.



BIODOME

Ø6m 28m2 F3 5/8 H3m

Withstands extreme temperature conditions from -20C to +80C degree;

When growing your own food, your diet is more diverse and healthy, packed with vitamins, minerals and antioxidants. Stay Active. Gardening is a fun way to get outside for some fresh air and physical activity. Get Vitamin D. Save Money. Better for the Environment.

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baltic@geodomas.lt

Write for Us

Hydroponics as "the growing of plants in nutrient solutions with or without an inert medium (such as soil) to provide mechanical support

HYDROPONICS SYSTEMS HP-H#01 FOR FARMING DOMES

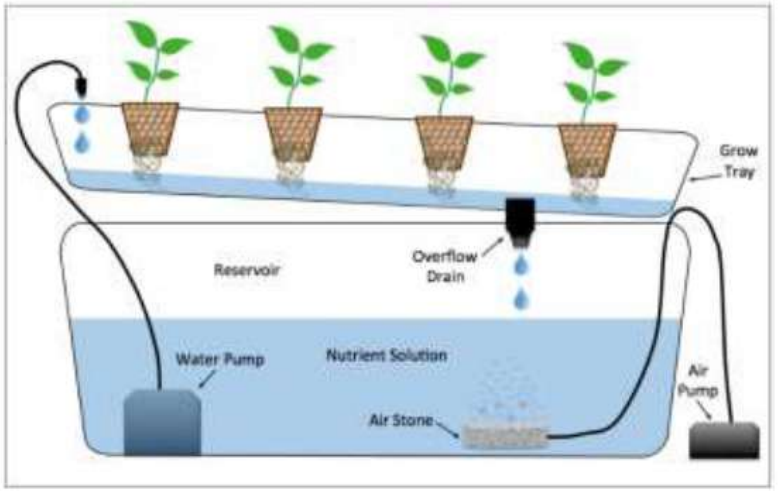
HYDROPONICS SYSTEMS

Hydroponics as "the growing of plants in nutrient solutions with or without an inert medium (such as soil) to provide mechanical support." In layman's terms, it's the process of feeding plants the nutrients they need with a water-based solution instead of naturally through the soil.

- A plant growing in a hydroponic system can grow around 30% faster than a plant grown in traditional soil. This happens because the plant does not need to expend energy in search of nutrients within the soil continuously. Instead, the nutrients are carried right to the plant, and that energy goes to growth.

- A hydroponic system can use as much as 95% less water than traditional soil-based growing methods. Since the system is enclosed, water used in the growing process is not exposed to the outside world, which reduces evaporation.

- Environmental conditions don't play a large role in the success of your crop. Since your plants are growing inside, factors like weather conditions and soil type won't impact the growth of your crops. You have a lot more control over the growing conditions.



HYDROPONICS SYSTEMS

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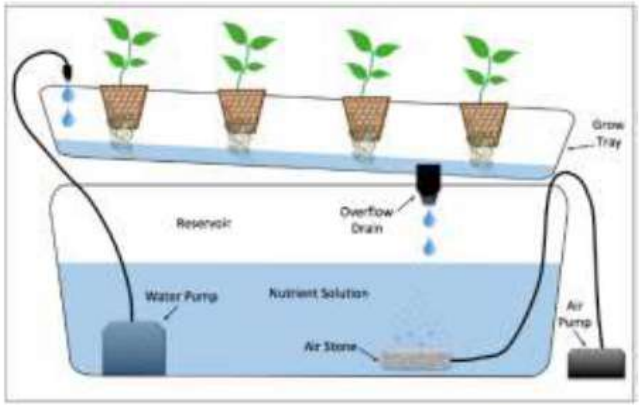


AEROPONICS SYSTEMS AR-T#01 | Agricultural greenhouse rotary aeroponic Tower

The vertical hydroponic tower actually is aeroponic tower growing system, which is supply plant nutrients by atomizing water.

Especially suitable for the building of greenhouse hydroponic systems in high-temperature areas, don't worry about the fact that the plant factory does not have complete control technology. Like the phenomenon of the root rotten, caused by the water temperature is too high due to lack of temperature control system.

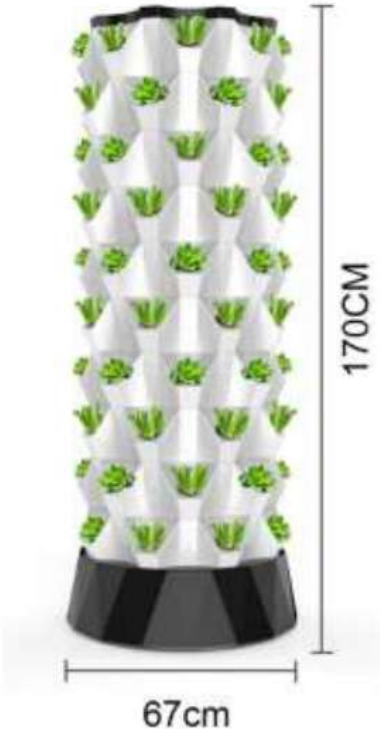
It can be said, the aeroponic tower system solves the problem that the part of the hydroponics crop types hard to plant, this is on the basis of there is not enough money. And I have to mention that, planting plants in aeroponic towers generally grows faster than hydroponic systems, the average growth rate can be increased by 1.5 to 2 times.

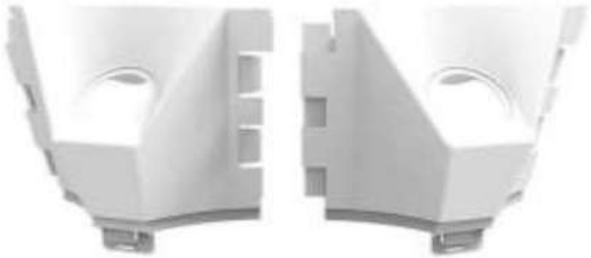
So, before deciding to use other hydroponic systems, you'd better fully understand the charm of vertical hydroponic towers.

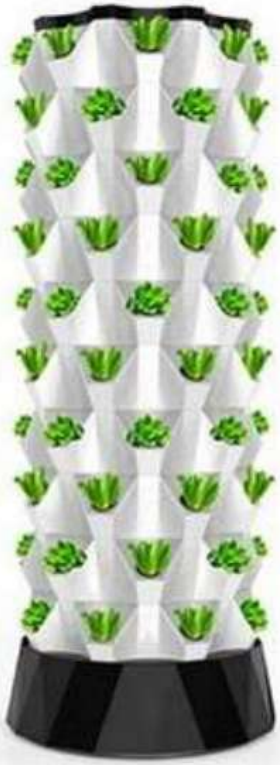
AEROPONICS SYSTEMS AR-T#01 | Agricultural greenhouse rotary aeroponic Tower

Garden - vertical hydroponic system

10 Layers 80 Plants Site DIY Greenhouse Vertical NFT Hydroponic Growing System







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baltic@geodomas.lt

Also, they are able to withstand hurricanes, tornadoes, and other storms with far greater success than a box-shaped home. With the security of your geodesic domes renowned structural integrity, you are free to unleash your imagination.

GLAMPING DOME
28m2 Ø6m F3 Height 3,6m

GLAMPING DOME 35 m2 + LOFT 7m2

Floor : 35m2

Cover : 83m2

Height : 4m

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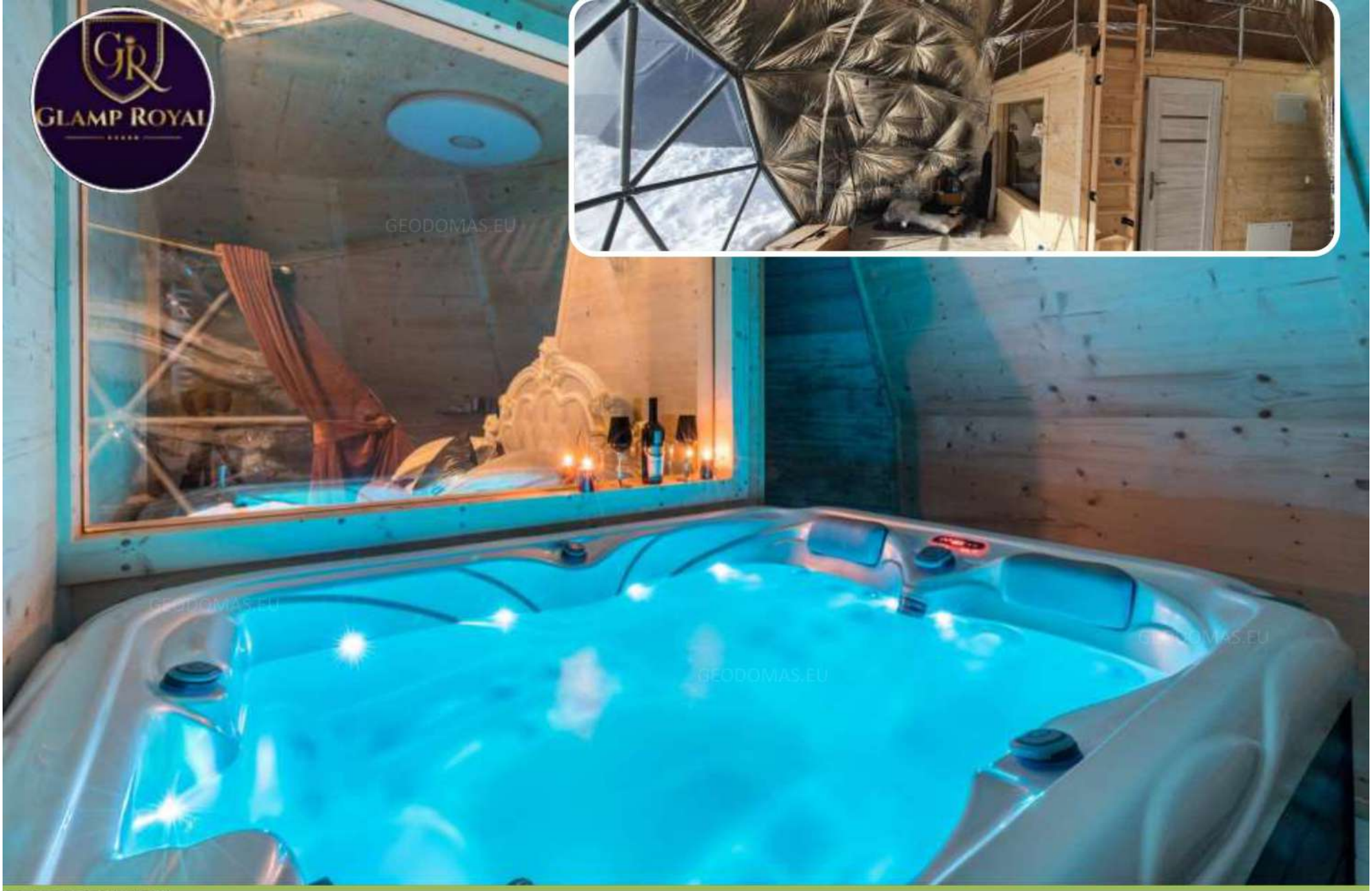
Write for Us

Aside from their natural beauty, domes also have many structural advantages. Geodesic shelters have been built around the world in varied climates and have proven to be the strongest and most efficient human shelter ever conceived.

GLAMPING DOME

Ø6,7m 35m2 F3 Height 4m

Withstands extreme temperature conditions from -40C to +80C degree;



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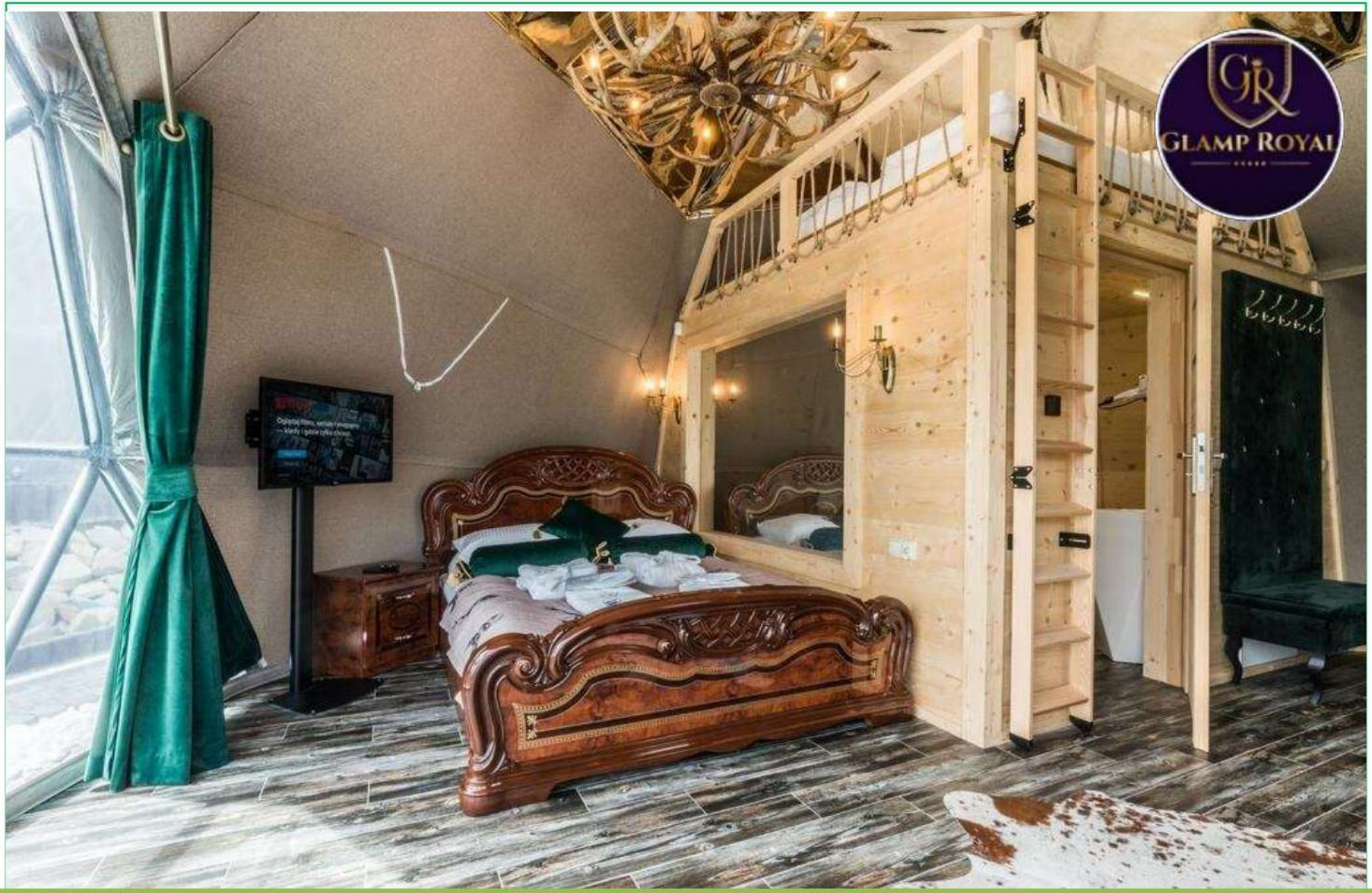
- **Fast assembly – large rolls, simple system, combining consistent levels and flexibility of the material enables efficient assembly of the product in all conditions;**
- **THERMIC.PRO- resistant to chemicals, rodents and other pests, as well as most solvents that are used in construction;**

GLAMPING DOME
Ø6,7m 35m2 F3 Height 4m



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baltic@geodomas.lt

Enjoy your dream Glamping Dome, for a fraction of the time and investment demanded by traditional construction.

GLAMPING DOME
Ø6,7m 35m2 F3 Height 4m

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Write for Us

If you require more sturdy dome base, we provide a complete guide on how to construct one's own wooden decking. Transporting raw materials that can be sourced locally is not economically feasible, that is why we prefer to give our customers step-by-step guidelines to easily build the decking by themselves using tools and materials available at their local DIY store.

GLAMPING DOME
Ø6,7m 35m2 F3 Height 4m

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Windows, skylights, and doors strategically positioned can connect with your surrounding environment and scenery.

GLAMPING DOME
Ø6m 28m2 F3 Height 3,6m

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baltic@geodomas.lt

Each geodesic dome structure is designed according to load calculations. This in turn ensures safety and durability. Our structural engineers can calculate the maximum loads of the equipment suspended by the geodesic dome of regional norms.

GLAMPING DOME
Ø6m 28m2 F3 Height 3,6m

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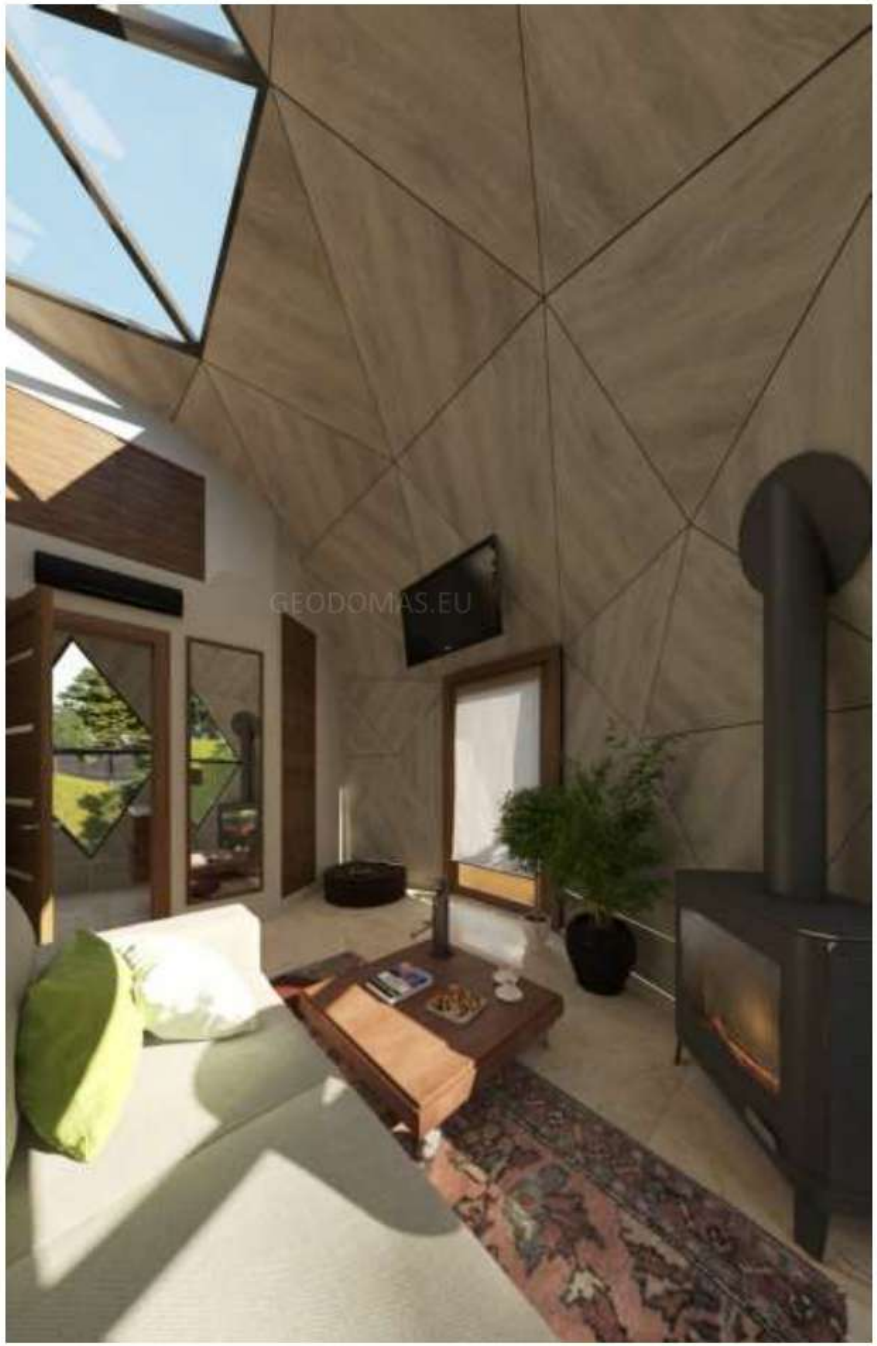
- Thermo Curtains – these curtains feature a thermal coating and help to insulate your home through all seasons by blocking external heat in summer and prevent cool draughts in winter while providing added privacy. Available in a selection of sizes to suit your requirements.
- Stove (Wood/Briquettes) can be connected to roof with tube
- Air – Conditioner – can be sealed on wall or wired to a ceiling. Different power age and different functionalities are available, it is manageable from controller too;

GLAMPING DOME
Ø6m 28m2 F3 Height 3,6m



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GLAMPING DOME
Ø6m 28m2 F3 Height 3,6m

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baltic@geodomas.lt

- Temperature range: from -40 ° C to + 80 ° C;
- Blocks 90% of UV Solar Radiation. Excellent weather ability (High & Low temperatures);
- Easy to clean;
- Enhanced privacy;

GLAMPING DOME
Ø6m 28m2 F3 Height 3,6m

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Write for Us

Aside from their natural beauty, domes also have many structural advantages. Geodesic shelters have been built around the world in varied climates and have proven to be the strongest and most efficient human shelter ever conceived.

GLAMPING DOME
Ø8m 50m2 F4 Height 4m

Withstands extreme temperature conditions from -40C to +80C degree;

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Write for Us

Unlike a traditional home, domes get proportionally stronger as their size increases. This strength makes them able to bear heavy loads in snowy climates.

GLAMPING DOME
Ø8m 50m2 F4 Height 4m

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- Step-by-step wooden decking construction manual
- Recommended tools and materials available in a home depot or a local DIY store
- Based on our designs, your local carpenter can build it in: 2 days
- Manpower: 1-2 people
- No previous technical or construction knowledge required

GLAMPING DOME
Ø8m 50m2 F4 Height 4m

SCHOOL HALLS

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- Bathroom Equipment – we offer different solutions for bath equipment;
- Bio – recycling – we select the most recent technologies of bio – recycling;
- LED UV-C Disinfection System – advanced technology that allows to disinfect the place fast and efficiently from any viruses, parasites and fungi;

GLAMPING DOME
Ø8m 50m2 F4 Height 4m

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baltic@geodomas.lt

GEODOMAS long-life covers come in a variety of colors, and are mold and mildew resistant, UV protected, and fire retardant.

GLAMPING DOME
Ø11m 95m2 F4 Height 5m

www.geodomas.eu
baltic@geodomas.lt

- Temperature range: from -40 ° C to + 80 ° C;
- Blocks 90% of UV Solar Radiation. Excellent weather ability (High & Low temperatures);
- Easy to clean;
- Enhanced privacy;

GLAMPING DOME
Ø11m 95m2 F4 Height 5m

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baltic@geodomas.lt

- The upper part of a cover is fitted with self-ventilated chambers;
- Triangular ZIP windows – windows are fastened with zippers and there is a detachable mesh against insects inside;
- We offer many colors;

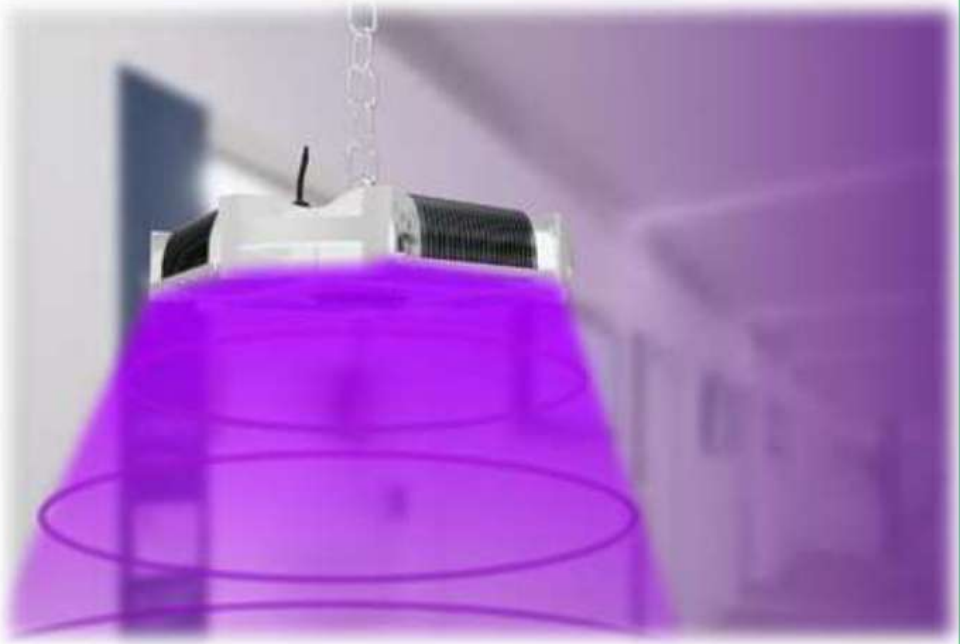
GLAMPING DOME
Ø11m 95m2 F4 Height 5m

www.geodomas.eu
baltic@geodomas.lt

Energy efficient, low-energy consuming Geodesic domes are sustainable, which is about to responsibly managing the resources.

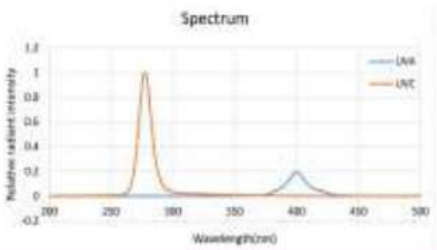
GLAMPING DOME
254m2 Ø18m F6 HEIGHT 6,4m

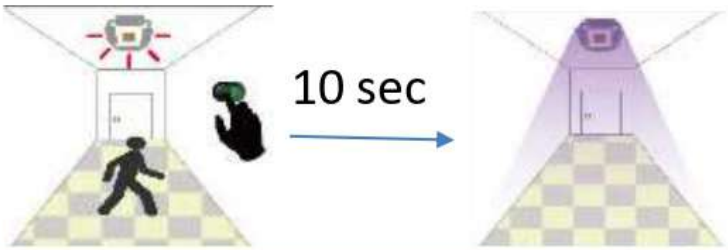
Certification: CE, SGS, ETL Listed

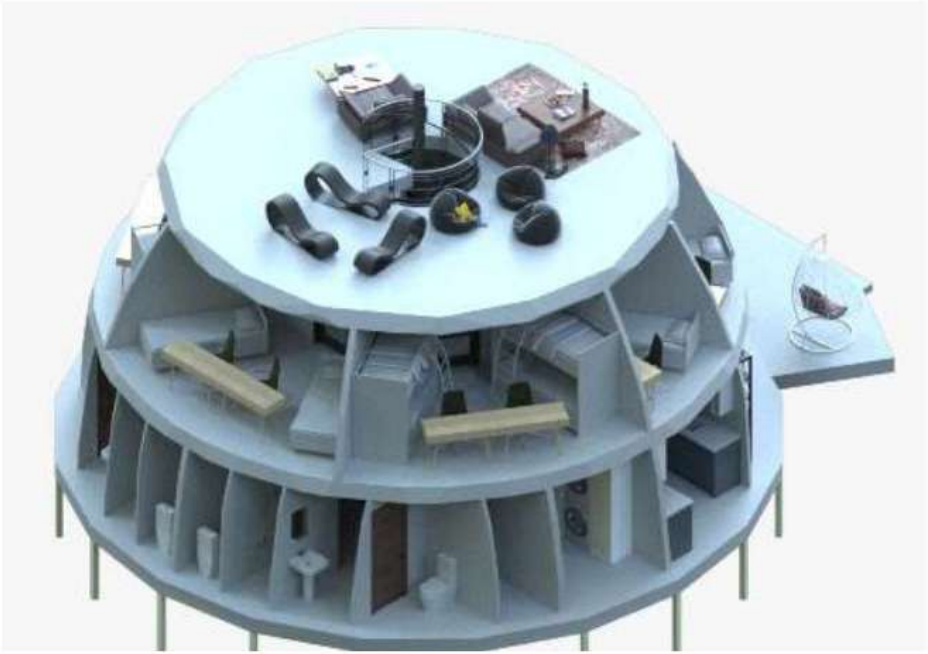


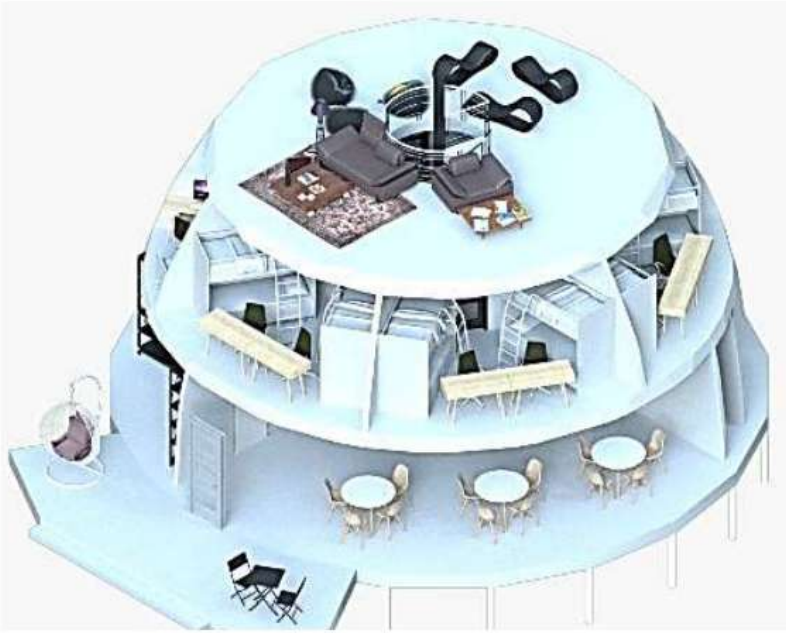
LED UV-C disinfection system is available in 50W – 200W configurations, suitable for any size indoor space. Rotatable LED UV-C modules focuses disinfecting light on targeted surfaces with accuracy while saving energy vs quartz based UV-C pressurized gas tubes. Long life with advanced features such as 360 degree motion sensors, remote control via any web connected device and automatic shutoff provides a safety and ease of use. **No harmful mercury or ozone.**

- Instant, invisible bacteria exterminator
- Anti-microbial disinfection 99.9% effective
- Inherent timer controls with buzzer alarm
- Motion detector with automatic shutoff
- Easy to transport and store
- No mercury or ozone









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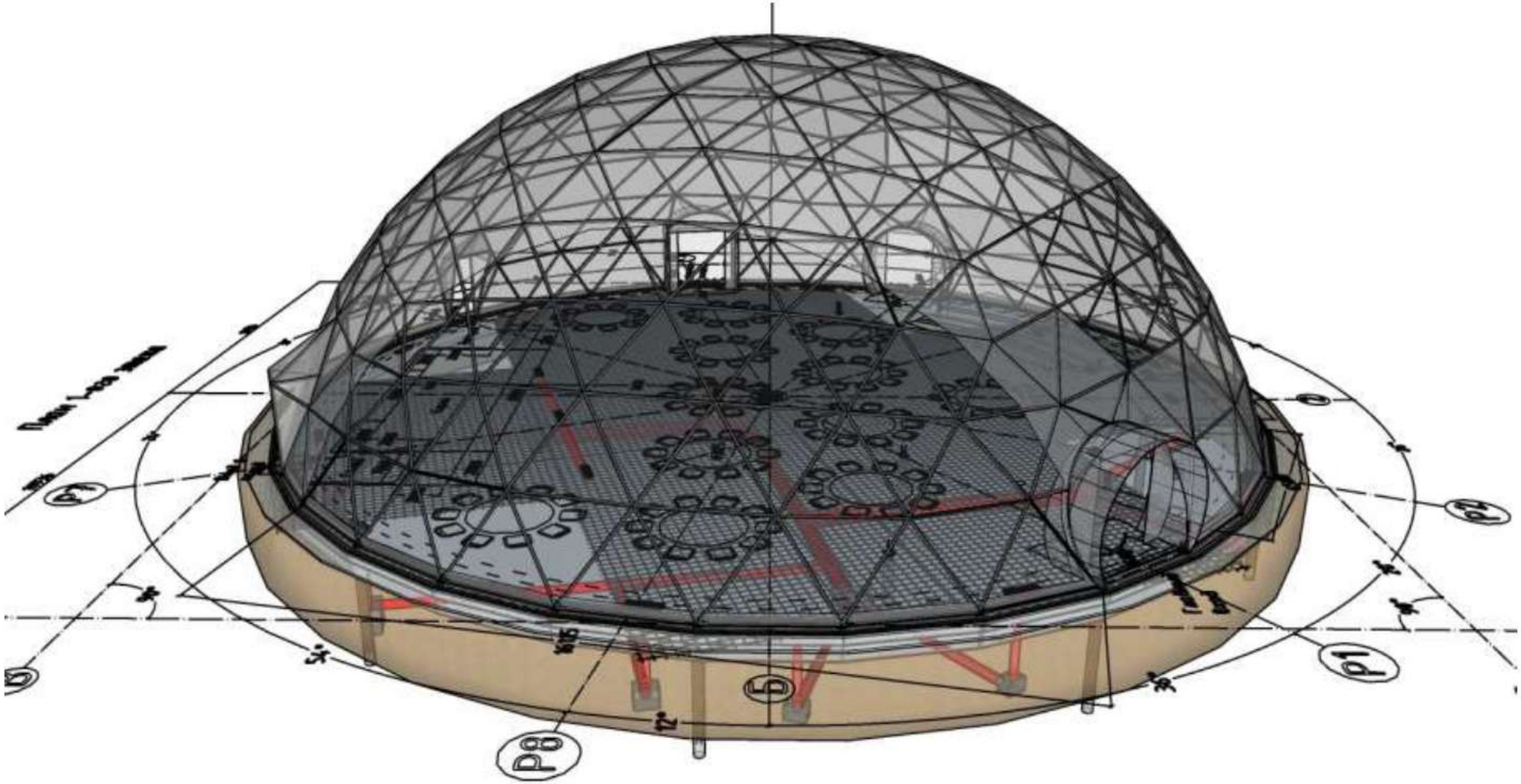
GLAMPING DOME
Ø11m 95m2 F4 Height 8m

378m2 GLAMPING DOME Ø22m :

Floor : 378m2

Cover : 580m2

Height : 8m



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Write for Us

Glamping Domes do not require any columns, load walls or columns inside to allow the customers to use the maximum available area. By using steel structural elements structure becomes sustainable in terms of weather factors and loads.

EVENT CENTRUM 1000M2

907m2 Ø34m F10 HEIGHT 11m
113m2 Ø12m F4 HEIGHT 6m
50m2 Ø8m F4 HEIGHT 4m

POLAND, BORYSEW

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The geodesic dome method allows you to create a light, well protected and very stable space. The main advantage of geodesic domes is the even distribution of stresses in all frame nodes.

EVENT CENTRUM 1000M2

907m2 Ø34m F10 HEIGHT 11m
113m2 Ø12m F4 HEIGHT 6m
50m2 Ø8m F4 HEIGHT 4m

POLAND, BORYSEW

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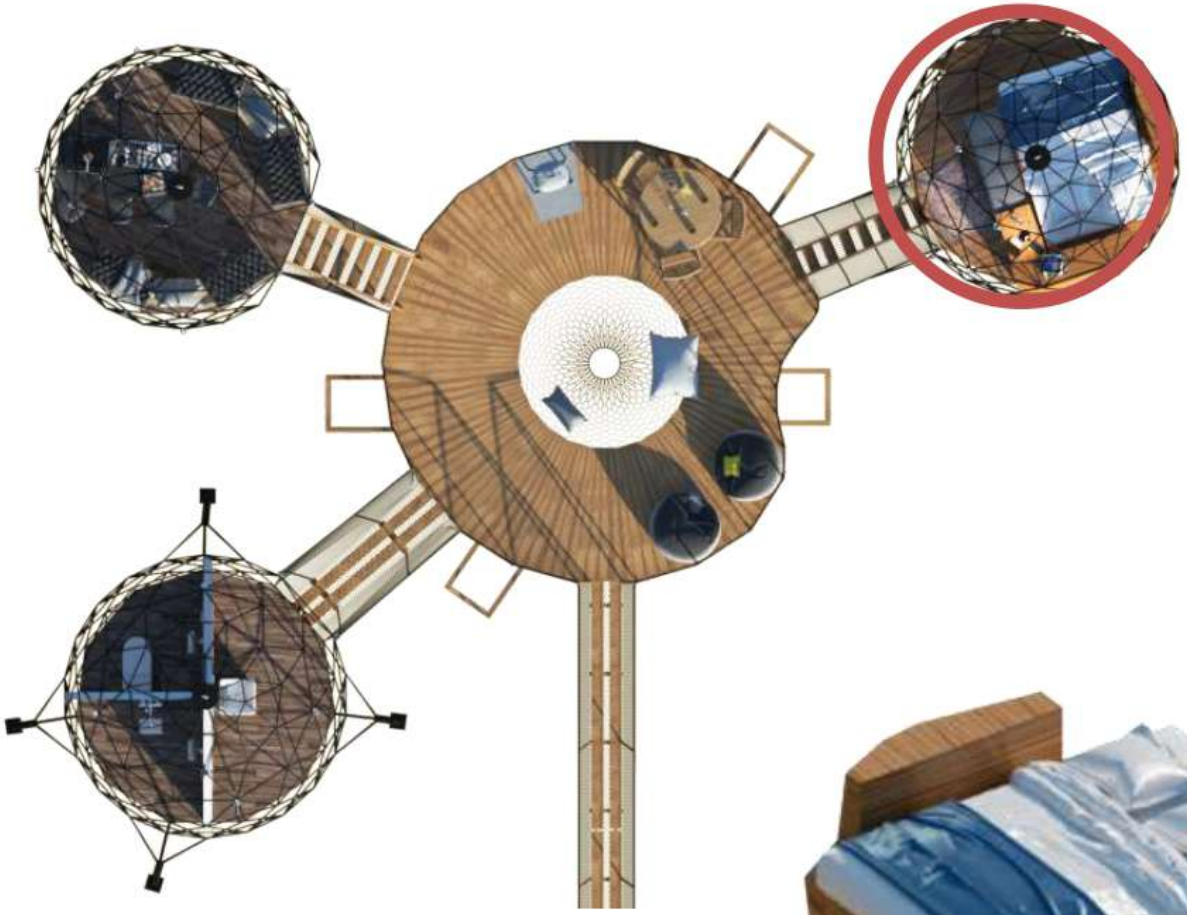
baltic@geodomas.lt

Stove (Wood/Briquettes) can be connected to roof with tube.

EVENT CENTRUM 1000M2

907m2 Ø34m F10 HEIGHT 11m
113m2 Ø12m F4 HEIGHT 6m
50m2 Ø8m F4 HEIGHT 4m

POLAND, BORYSEW

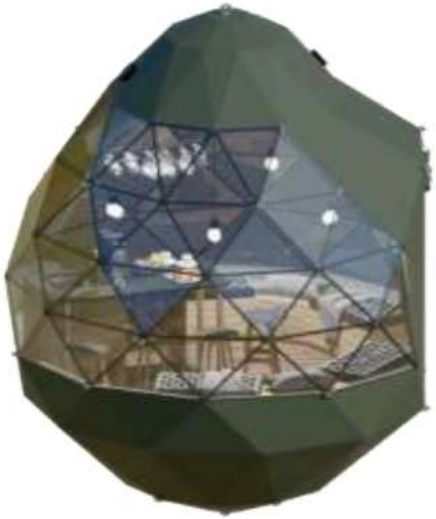


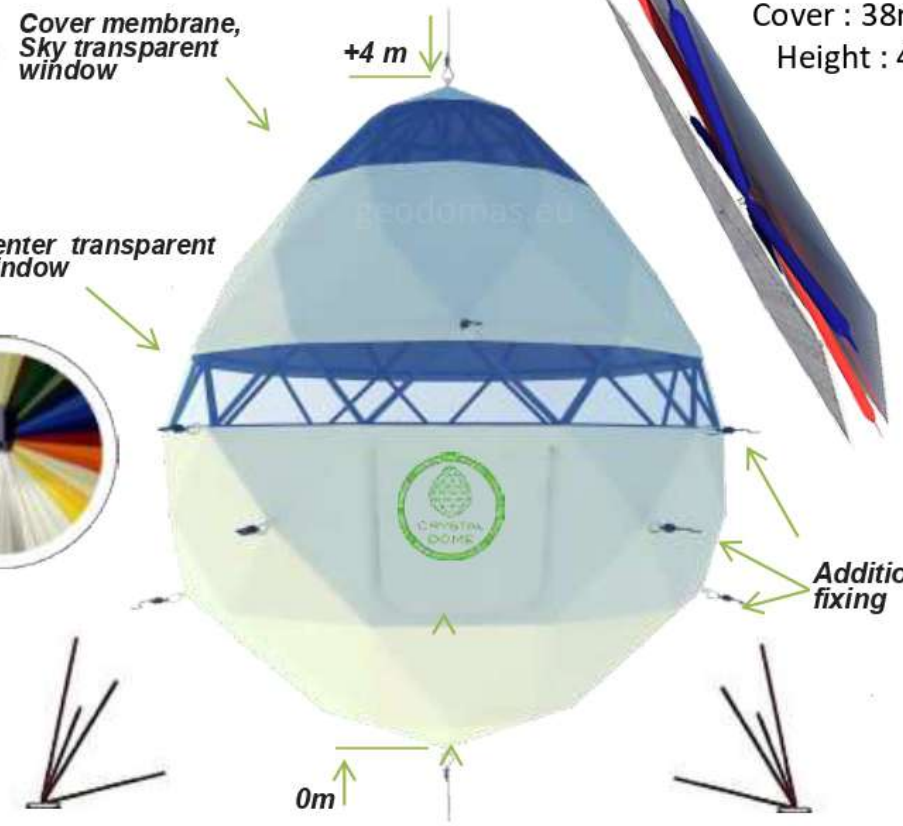
TREE VILLAGE

CRYSTAL BEDROOM

7m2 CRYSTAL DOME Ø3m :

Floor : 7m2
Cover : 38m2
Height : 4m





ALL-SEASON -30°C TO +80°C | MULTILAYER WALL

www.geodomas.eu
baltic@geodomas.lt

MODEL
7m2 ø3m H4m CRYSTAL Dome Geometry

Our proposal for the site, which faces forest beyond, includes 3 Tree-Hotels standing amongst the trees for a high-end holiday resort. Accessed via a meandering timber walkway, the Tree-Hotels are elevated to maximise the beautiful panoramic views of the lake.

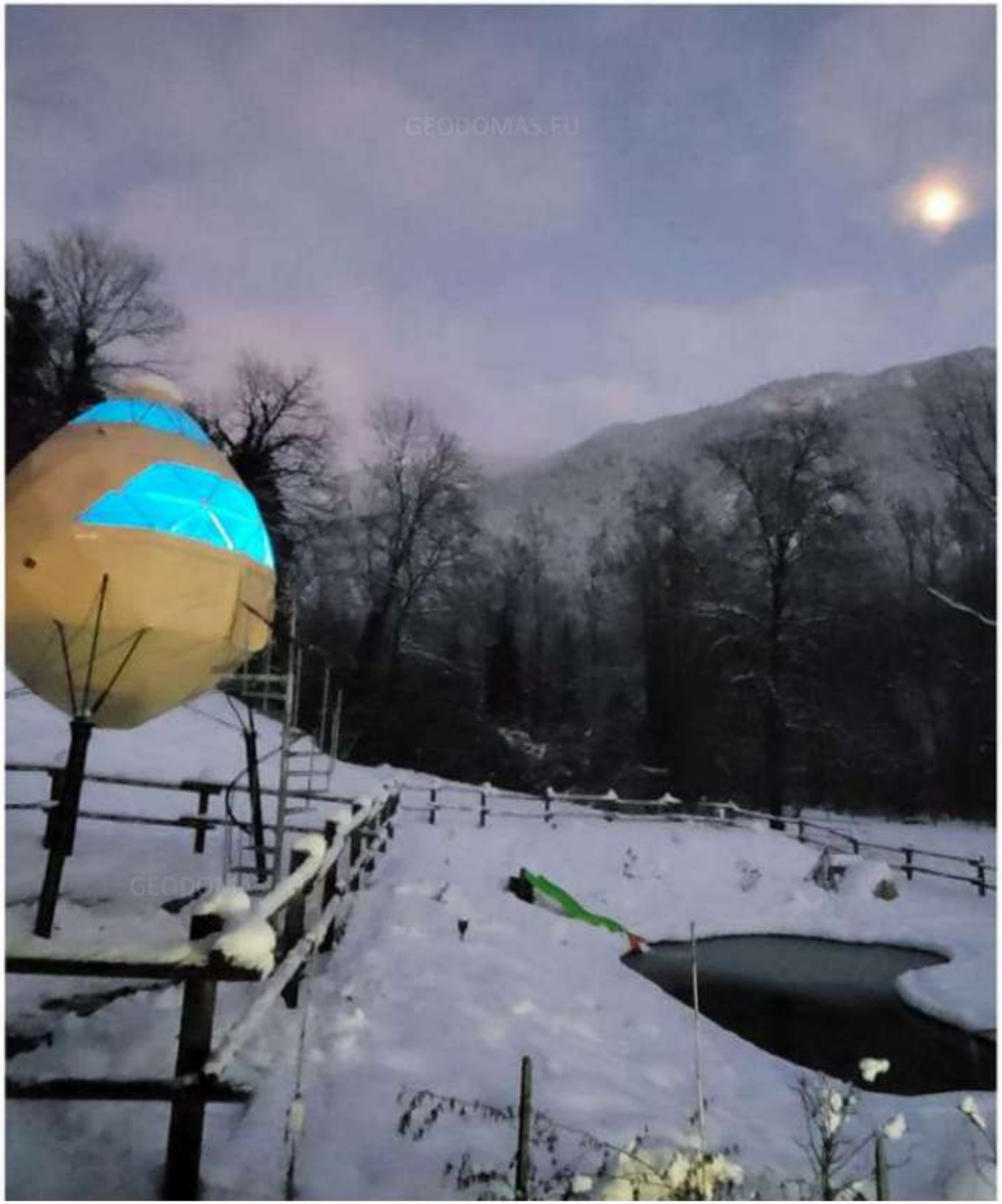
LOUGH TREE VILLAGE
Crystal Dome for Wild Nature

www.geodomas.eu
baltic@geodomas.lt

MODEL
7m2 ⌀3m H4m CRYSTAL
Dome Geometry

Your vision will come alive as your dome is crafted exclusively for your location offering the perfect view, natural light, and desired privacy.

LOUGH TREE VILLAGE
Crystal Dome for
Wild Nature



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MODEL
7m2 ø3m H4m CRYSTAL Dome Geometry

Tree hotels standing among the trees for a high end holiday resort. Accessed via a meandering timber walkway, the Tree-Hotels are elevated to maximise the beautiful panoramic views of the lake.

LOUGH TREE VILLAGE
Crystal Dome for Wild Nature

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MODEL
7m2 ⌀3m H4m CRYSTAL Dome Geometry

Windows, skylights, and doors strategically positioned can connect with your surrounding environment and scenery.

LOUGH TREE VILLAGE
Crystal Dome for Wild Nature