The offer of the construction of a “PREMIUM” monolithic dome house made of foamed concrete using Mitra Tech technology.

The construction technology of our buildings is undoubtedly our strongest advantage as it ensures the highest durability and longevity compared to traditional buildings, especially for lightweight, container, or frame buildings.

Buildings constructed with our technology primarily offer:

Durability and Safety - The building is casted entirely from a single material using our casting form and foamed concrete mixer, with no joints. As a result, it is highly resistant to weather conditions and highly durable. This casting method also prevents the possibility of insect or rodent infestations. Unlike multi-layered walls found in lightweight buildings (e.g., mobile homes) that require thermal insulation layers, our buildings have single-layer walls without the need for additional thermal insulation. This prevents moisture accumulation and subsequent corrosion or hidden mold and fungi formation, which can negatively impact human health and building durability. Moreover, the round shape and dome structure provide excellent resistance to earthquakes, fires, and hurricanes, making the monolithic structure the most resilient option. Our buildings can be partially or completely covered with soil or integrated into hillsides.

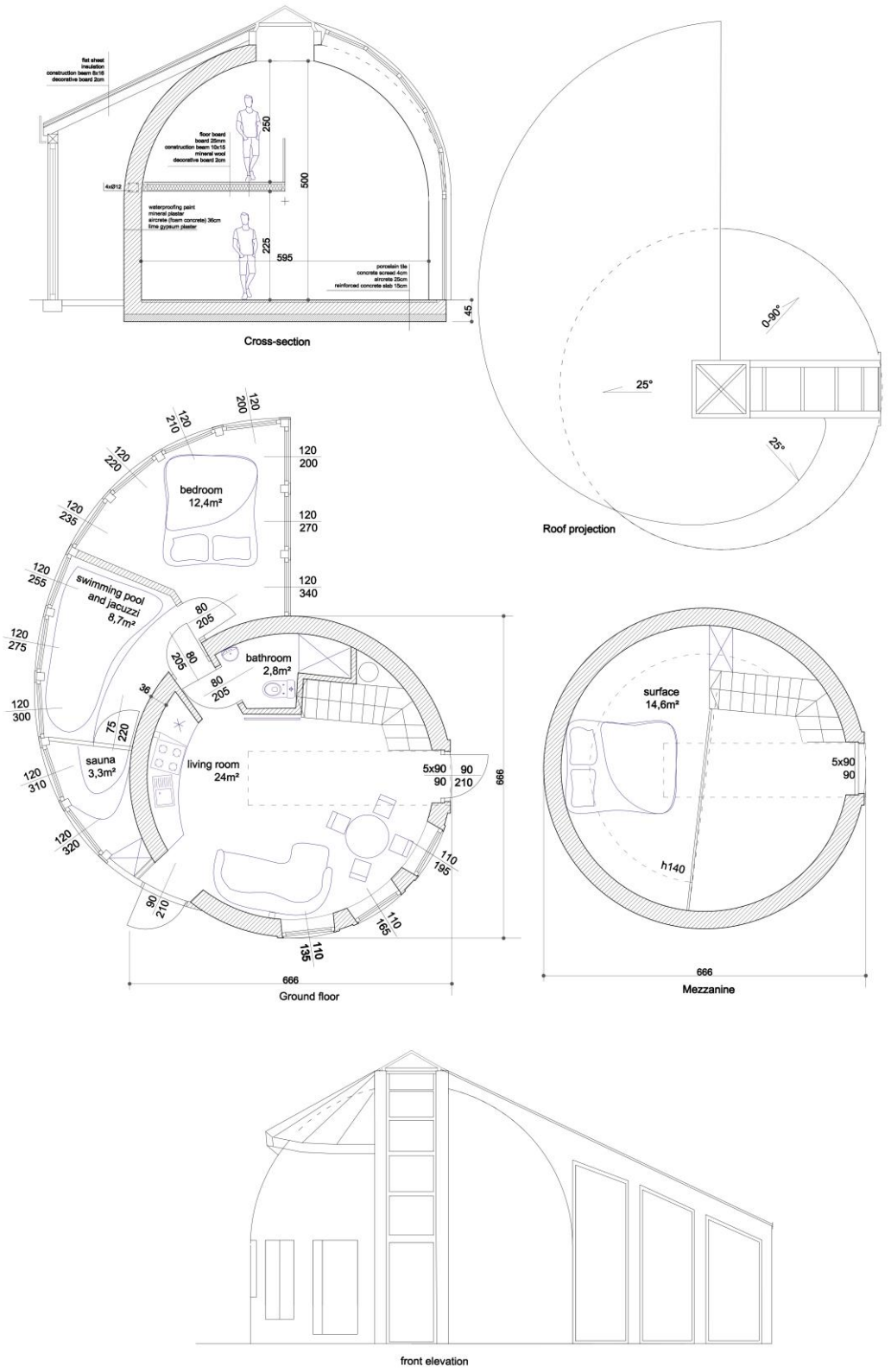
User Comfort - The building is constructed with foamed concrete, that is aerated concrete, which is non-flammable, and non-toxic. The 36cm thick walls offer excellent thermal

insulation, enhancing user comfort not only during cold periods but also in hot weather by blocking external heat and maintaining a stable internal temperature. The dome shape and circular design have the best ratio of external surface area to internal space, reducing energy exchange with the environment. This significantly improves user comfort and the cost-effectiveness of maintaining our buildings. Another undisputable asset of our buildings is the mass of them (which is significantly higher in comparison to other competitive solutions) which also contributes to comfort as it helps maintain a steady temperature, thanks to the building's high thermal capacity. Additionally, our buildings exhibit hygroscopic properties, meaning they can absorb and regulate moisture inside the building safely. This is a significant advantage over frame buildings, where walls cannot absorb excess moisture, leading to moisture penetration into the insulation layer and the consequent deterioration of the building. Our buildings do not suffer from this issue. Foamed concrete acts like a sponge, absorbing any excess moisture in the building and releasing it when the moisture levels decrease. This feature not only enhances user comfort but also promotes the health and well-being of the occupants.

Ecology - Our buildings are constructed from 100% biodegradable mineral material (foamed concrete) without any chemical additives, all produced on-site. The minimal variety and quantity of materials used in the construction and the optimization of the construction process (fast casting process) directly reduce waste during construction and significantly lower the carbon footprint, positively impacting the environment. We place great importance on the building components and refrain from using toxic materials such as polystyrene or foils that are commonly found in other highly synthetic buildings.

Design - Our building is an example of organic architecture, a current of modern architecture based on the idea that architecture should be shaped analogously to nature. Hence, the central element of the structure is the dome, a shape commonly found in nature, which not only has remarkable acoustic properties but also leaves an unforgettable impression on its users. The design incorporates the ancient concept of the golden ratio, used by ancient Greeks in the construction of the Pantheon, and the Fibonacci sequence frequently observed in nature. Each proportion has been meticulously chosen to introduce harmony into the building, having a positive impact on individuals. As architects, we are passionate about the newly explored science of shape radiation and biogeometry developed by Professor Ibrahim Karim, an esteemed figure in Switzerland. We can propose site planning, taking into account not only the values mentioned above but also ground radiesthetic effects since we are aware that water veins can significantly influence the well-being of the building's occupants. Upon request, we can create a personalized project comprising two or more domes tailoring the building directly to the needs of our clients not only in terms of the building’s ergonomy but also by also by utilizing Feng Shui consultants, increasingly recognized worldwide.

Basic Technical Drawings:



building area overview: living room with kitchenette 24m^2 bathroom 2,7 m^2 mezzanine 14,7 m^2 bedroom 12,4 m^2 swimming pool and jacuzzi 8,7 m^2 sauna 3,3 m^2 <u>total area 65,7 m^2</u>

Visualizations, and Examples of Realizations :

Scope and Details of the Offer:

1) Execution of the Raw Open State:

- Ground preparation for building
- Construction of the foundation slab
- Installation of utility exits
- Casting of the entire building with foamed concrete, including floors, walls, and roof
- Cutting of window and door openings according to the design
- Construction of the foundation for the wing section
- Construction of the structure for the wing section

Price from: 56000 Euro

2) Execution of the Developer State:

External Elements:

- Includes the scope of raw open state construction
- Installation of triple-glazed aluminum windows and doors
- Installation of triple-glazed aluminum entrance facade
- Installation of electronically controlled skylights
- Installation of granite windowsills
- Installation of external architecture, such as window finishes, and aluminum sheet parapets painted in wood imitation
- Construction of roofing with aluminum sheet parapets painted in wood imitation
- Finishing of the dome's exterior surface with plasterwork, Noxan Elastoflex 4x paint

Internal Elements:

- Cement-lime plaster with an industrial texture
- Flooring - 4cm cement screed
- Water and sewage installation - kitchenette, toilet, pool
- Electrical installation
- Partition walls
- Concrete pool basin and technical section
- Ceiling in the wing section with insulation layers
- Sauna system
- Tempered glass enclosure for the sauna room
- Infrared heating for the pool section
- Mezzanine (14 m2)
- Wooden-steel stairs - sectional (according to the attachment)
- Ventilation system - decentralized recuperator
- Heating/cooling system - 5.2 KW Gree air conditioner

Price from : 195000 Euro

For more information, please visit our website: www.mitratech.pl