

Proposal for Earthship Construction

- Location: Althea Lakeview Farm, Sparto Kozani, Region of West Macedonia, Greece
- Agritourism, Ecotourism, Agroforestry, Ecological Camp Site



The idea of Earthship* in a Nut Shell

The idea is to construct an Earthship, where the old barn used to be and collapsed due to its bad condition. The area was thoroughly cleared and the old cement bricks were reused as part of a restored warehouse/ storage room for agricultural purposes.

The south facing orientation of the perpendicular old building and the smoothly inclined land, show us that an Earthship is an excellent proposal as a new building where the old barn used to

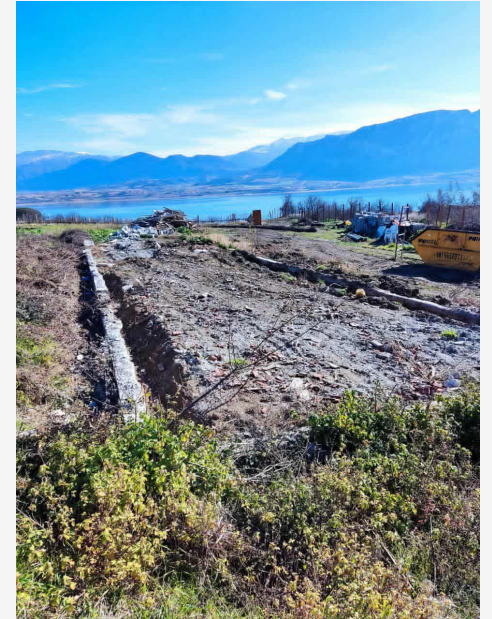
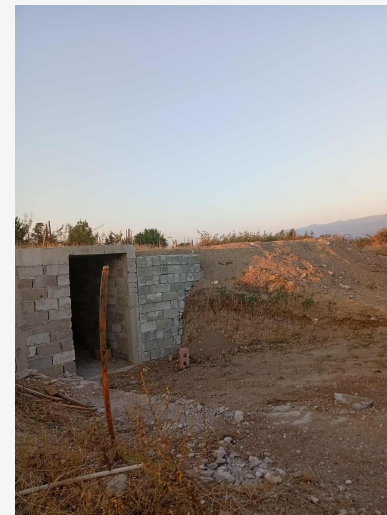


* An Earthship is a Rammed earth home with recycled materials, water catchment and a conventional septic tank.

Next steps for the project

Some of the main steps we followed

- 1 Clearing of the site
- 2 Reconstruction part of the old barn as a warehouse
- 3 Repurposing and reusing the old cement bricks
- 4 Research, draft design, licensing, land use enquiries for Earthship, contact with local municipal Authorities

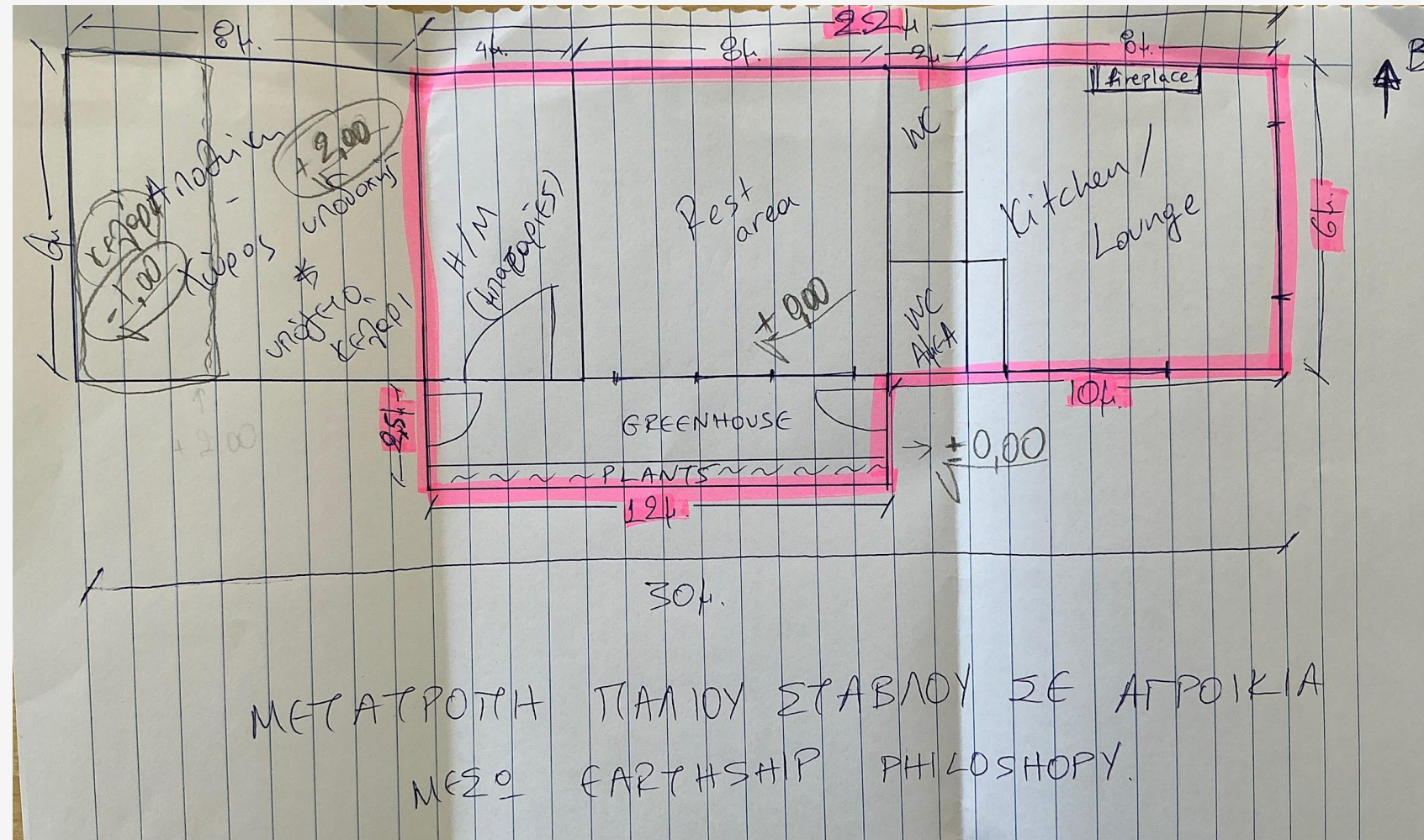


The design

In collaboration with Mario Roriz*, CEO of 'Earthship Experience'* company in Portugal, we discussed about the design, licensing and construction of the Earthship.

Some sketches and drafts: Approximately. 230 sq. meters of private and common areas and a greenhouse for food production.

* www.earthship-experience.com



Construction system based on 6 fundamental principles

- 1 Construction with natural / recycled materials
- 2 Passive thermal and solar heating and cooling
- 3 Use of solar and wind energy for electricity generation
- 4 Water uptake through rain
- 5 Food production
- 6 Sewage treatment

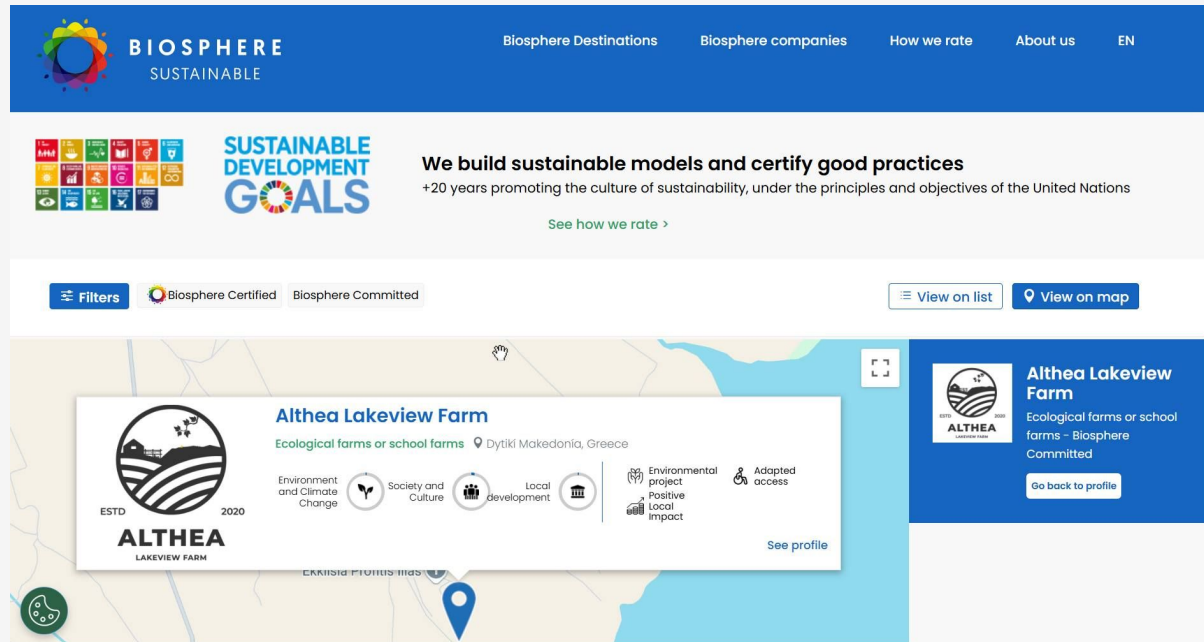


Key words: off grid, passive house,
recycling, upcycling, circular economy

The farm



Our Sustainability efforts



1

In 2025 we got the Biosphere commitment as an Ecological farm of School farm

2

We participated in the European project Ecotours for circular and sustainable tourism

Be part of our project and help us make it happen!

Thanks!!!



Got an idea? Don't hesitate to contact us:



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