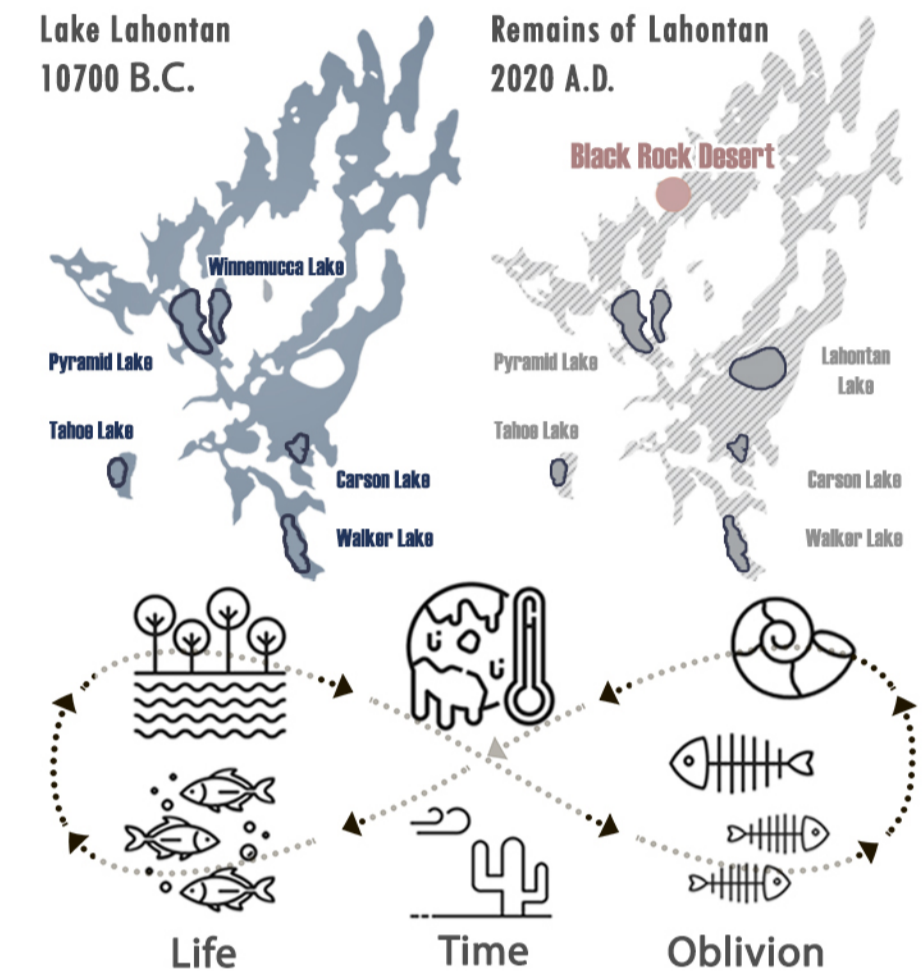


Evolving Community in Oasis - E.C.O.

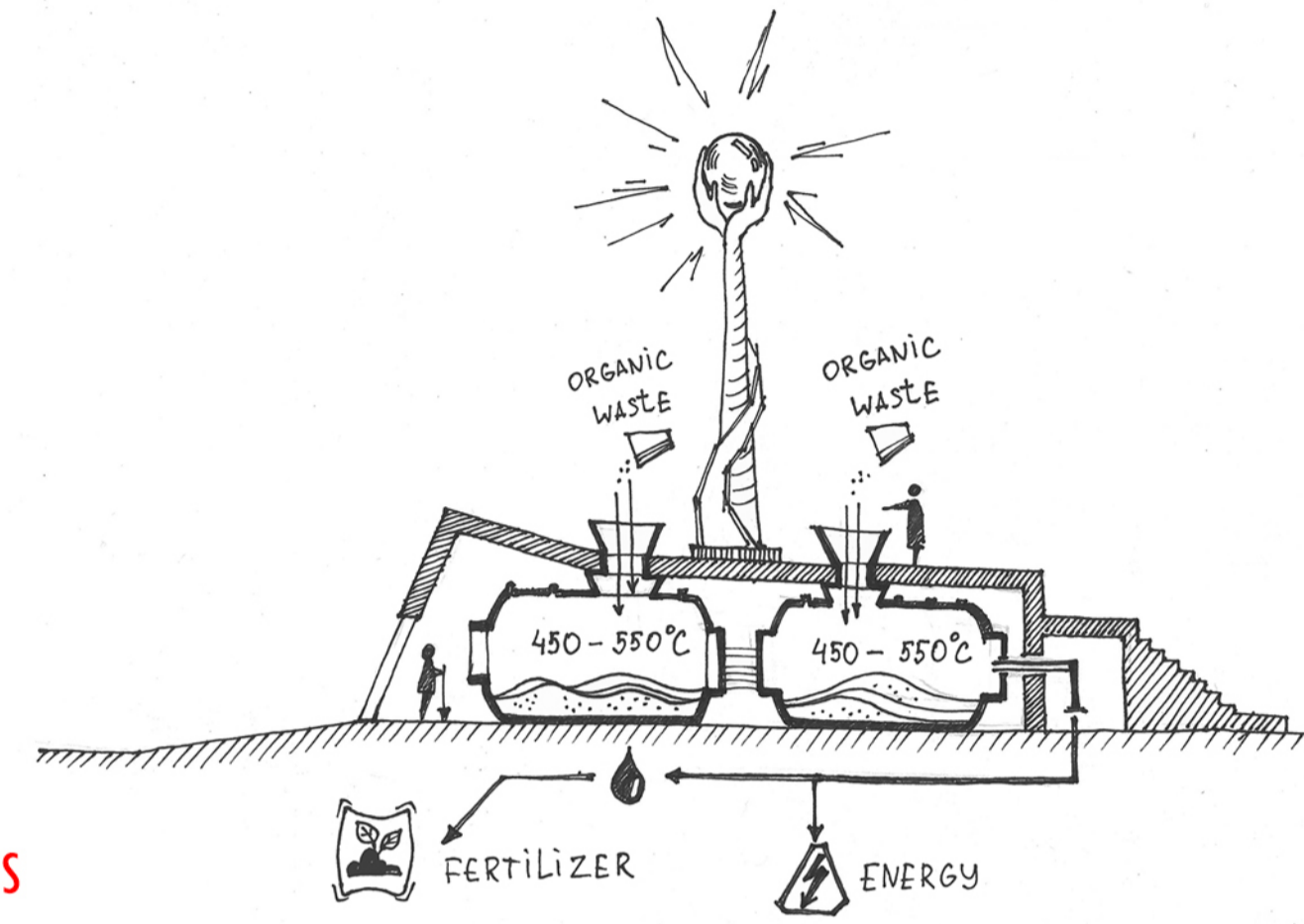
concept

Considering the territory of Fly Ranch, our team of urban planners highlighted the features of the historical significance of this place and the principles laid down by the authors of the competition: Power, Water, Regeneration, Food, Shelter, - on their basis, we put forward the postulate Evolving Community in Oasis (ECO). Our purpose was to create identical spaces subsequently we have projected three volumetric structures: "Nautilus", "Hippocampus", "Jellyfish". Three main structures will provide shelter from sandstorms, rains and wind, creating an "oasis" for a new community. For clarity of observation of the reducing harmful emissions to the climate we propose one sculpture-indicator for each principle. Indicators will show amount of water, energy, food and waste consumption. Observing through the prism of sculptures their own impact on the environment, each resident will see his contribution to the issue of nature conservation and natural biogeocenosis.



hippocampus

Public zone of Fly Ranch is projected in "Hippocampus" volume. The pavilions are protected from the sun by awnings and pergolas. The space under the awnings can be used for sports activities, yoga, dancing or lectures. In the compositional center there is a square with ponds dominated by the one of the five installation. Under the monument, there is a recycling room with low-temperature pyrolysis plants. These closed-cycle plants do not emit combustion products into the atmosphere. However, the fuel obtained in the process useful to supply energy and fertilize the soil. The more garbage is recycled in a day, the brighter the globe on top of the installation will glow at night.



Indicator installations

- SHELTER**

 Tent constructions
 To ensure the comfort of living, the central facility has a dynamic roof that can provide shelter in bad weather and leave an open sky for insolation, stargazing, etc.
- WATER**

 Water condition
 Saturated Reflected
 Colorless Opaque
 Three fishes skeletons will light brighter if the quality of water is in the sufficient limits. The edges will light up to warn about the exceeded amount of water consumed by the settlement.
- FOOD**

 Food quantity
 The mirror ball gives a clear reflection of the crops planted under it. With an over consumption, the glass material, thanks to an electric switch, changes its chemical state and becomes dull, ceasing to reflect the space around.
- POWER**

 Energy generation
 On the pedestal in the center of the pavilion "Hippocampus" there is an allegorical globe in the hands of a person, which lights up like a beacon in the evening.
- REGENERATION**

 Space regeneration
 "Jellyfish" pavilion is sufficient for holding massive exhibitions, lectures, e.t.c. Experimental models of new spaces based on VR technologies will represent easily and "zero"- impact regeneration of an inner space.

