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 set forward the project (Evolving Community in Oasis - E.C.O.). Our purpose was to create identical spaces subsequently we have projected three volumetric structures: "Nest", "Hippocampus", "Jellyfish". These main structures will provide shelter to sandstones, 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 use his contribution to the issue of nature conservation and natural regeneration.

**Indicator Installations**

To ensure the comfort of living, the central facility has a domed roof that can provide shelter in bad weather and leave an open sky for observation, changing etc.

Three fishes skeletons will light brighter if the quality of water is within the sufficient limits. The edges will light up to warn about the exceeded amount of water consumed by the settlement.

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, ensuing to reflect the space around.

On the pedestal in the center of the place "Hippocampus" there is an allegorical globe in the hands of a person, which lights up like a beacon in the evening.

"Jellyfish" position is sufficient for holding massive exhibits, lectures, e.t.c. Experimental models of new spaces based on VR technologies will represent exactly and "real" impact regeneration of an inner space.

**Hippocampus**

Public area 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 constructional center there is a square with ponds dominated by the use of the low plants. Under the monument, there is a recycling room with low temperature greenhouse 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 waste garbage is recycled in a day, the brighter the globe on top of the installation will glow at night.