

PROJECT INFORMATION

The proposal for a thematic “EFFIX” pavilion”, shows a space organization in some attractive spaces within the borders of the Sea Garden. Each of them is connected with the main walking alley nets. In the context of the environment, the commercial pavilions stay as independent structures and each of them has its unique shape. Created that way they suit the whole space without limiting it, and can even contribute to the place's uniqueness.

▪ CHOICE OF THE SITE

Based upon a detailed research and analysis of the existing alley and park environment, an example proposal for the situation of the “effix” pavilion has been made. It is situated alongside one of the main alleys , the “Vazrozhdenzi” one. At the moment there is an existing commercial pavilion on the chosen place, but it is obsolete and unpractical. The new solution removes these issues and contributes to the park space with its modern and plastic vision.

▪ IDEA

The idea for a commercial pavilion in the Sea garden was born from the idea of the sea and its fauna. The conception of the sea and its extracted seafood on the beach sand are the base of the initial idea. In particular, the structure of the Rapana has been analyzed. Subsequently this structure emerges in a shape, which determines the overall conception for the modern design of the “efix” commercial pavilion, the symbol of Varna.

▪ ARCHITECTURE. INFLUENCE OF THE SEASIDE CLIMATE

The influence of the Black Sea determines the mild winter and cold summer, while the autumn is long and warm. The breeze helps for the summer heats to be stood easily, and the winds prevent cloud clustering.

These factors eventually influence the design of the pavilion, as it is projected, to be partially opened towards towards the open space during the warm months. During the cold ones, it is designed to be closed with additional constructional elements and glass, with the intention for easy mounting or de-mounting. The enclosing of the space does not break the original idea, but it additionally enriches it.

▪ FASADE ELEMENTS

The structure of the single panels is defined using parametric software, which allows full control on their shape. It is fully inspired of the structure of the bubbles, which the seawater produces during strong waves. Additionally in the bigger cells, photovoltaic panels have been added, which define a more futuristic face of the architecture.

- **LIGHTING**

The resulting lighting composition of lighting sources – lighting wells, enriches the whole exterior during the night. All the lighting sources were meant to be energy-saving, diode, with a prolonged life. A solar electric system is planned in the form of little spherical solar panels, operating in a network. They generate a constant stream of pv-energy, needed for the interior lamp and cell phones. For this purpose, on the outer surface on one of the facades, a power outlet will be mounted which will be used for smart phones recharging only. The design of the pavilion determines that the power outlet will be hidden in the panel using a lid. If needed it could be opened and used. The exterior lighting is meant to be active during the night.

- **CONSTRUCTION**

The construction of the pavilion is from steel rods. It is consisted of metal rods with round cut and different length. On the places where they intersect, they are connected with a strong hard links – a metal junction and additional supporting elements. To the main steel construction, in the form of equilateral triangles, the “effix” panels are mounted. They are connected to the main skeleton. The construction implies fast and easy implementation.