



Galaxy Catcher

Conceptual Vision:

At the heart of Fijian architecture, a dynamic spiral structure emerges, symbolizing the coexistence of humans, nature and technology, showcasing the dance of light and water. This artistic and functional work combines the aesthetics of origami, the cosmic spiral movement, and the principles of indigenous Fijian architecture (the Vanua concept). By reviving the traditions of aqueduct construction and drawing inspiration from sponge city designs, the Source of Light & Life brings together the water and energy cycles in a sustainable closed loop.

Photovoltaic Spiral Design:

400 square meters of Glass–Glass Bifacial PV: A structure with a durability of more than 25 years and complete resistance to moisture and coastal environments.

Spiral arrangement with variable slope and mushroom-shaped surface: The angle of the flakes is adjusted throughout the day from sunrise to sunset according to the path of the sun. In the morning and evening, when the light is low-angle and soft, the back of the panels also benefit from the light and its reflection on the water surface at their angle with a higher efficiency.

Bifaciality Factor 80–90%: With the help of the reflection pond and side mirror mosaics, annual energy production increases by 20–25%.

