Renewable Resources for Self-sustainable Organ

Even though the site is built as a park, it is not a comfortable place to take diverse activities for visitors or residents because of the large amount of solar heat gain. But, the columns spread at 15-meter intervals for flexible site design are designed to respond to the sun and create shade while folding or unfolding like an umbrella. The form of the canopy is inspired by the identity of the site, Abu Dhabi and desert, providing an iconic public brand. It spreads broadly during the day, but at night it folds and changes into lighting, as it looks like flowers are rare in desert.

The art can be used permanently without additional operating costs because the PV panels collect energy and consumes the energy it stored during the day for light at night. A pipe with a smaller diameter was inserted into the hollow steel pipe column to adjust the height. The height can be adjusted to the program of the entire site, sometimes to be elevated as a gate for festivals, or to provide an optimal shading area, thus creating a dynamic space







