Energy Production Method

The Existence Shelter utilizes active design providing a scheme that encourages movements on site that can be used to generate energy. Energy from movement of people circulating the shelter and energy from elements of nature, such as harnessing wind through the layout and planning of the shelter to catch wind currents. Moreover, the process can also educate users on the process of harvesting renewable energy, and create a consciousness for users when using energy in their daily life. The energy generated from the Existence Shelter can be used to provide clean, drinkable water from rainwater collection stored in the Modular Tank System. We will not use the energy in a wasteful manner or in ways that will disturb the environment such as illuminating the shelter which would distract users from the night stars. We aim to provide users with an experience as close to nature as possible.

Piezoelectric cantilever will captures energy from wind force that passes through the Wind Stalk along with the fabric solar panels and movement of users. This will provide 611.34 MWh.