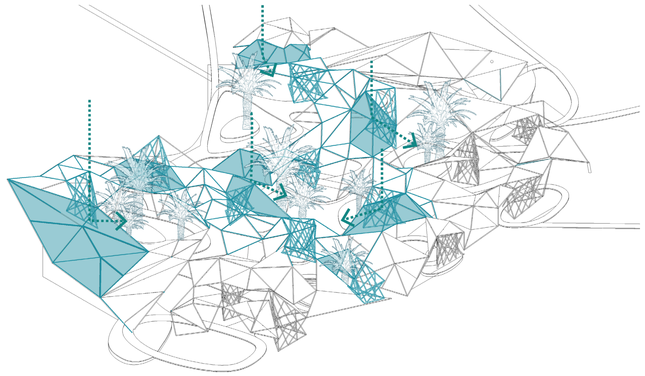
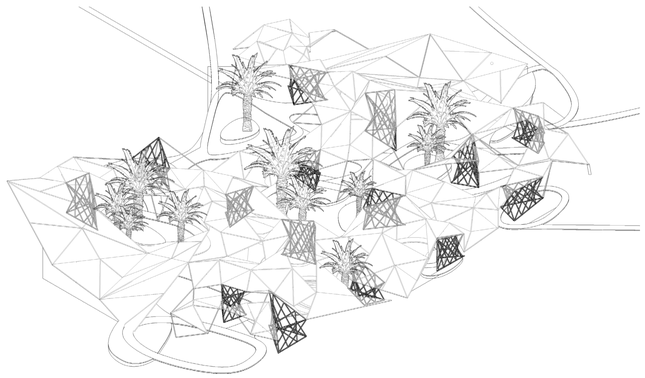
Water collection system



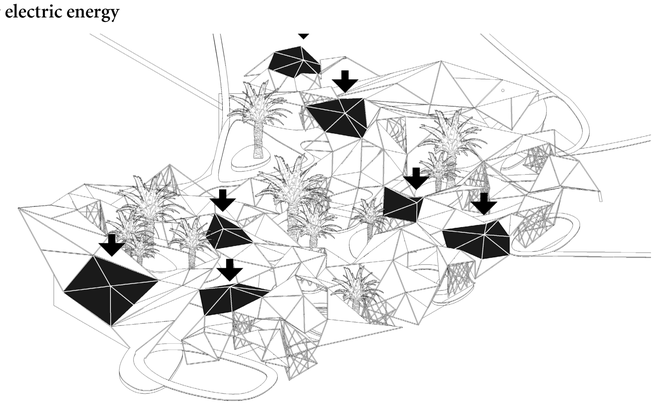
The rainwater is collected through a series of gutters and drainage channels integrated into the architectural forms.

Supports - hyperboloids



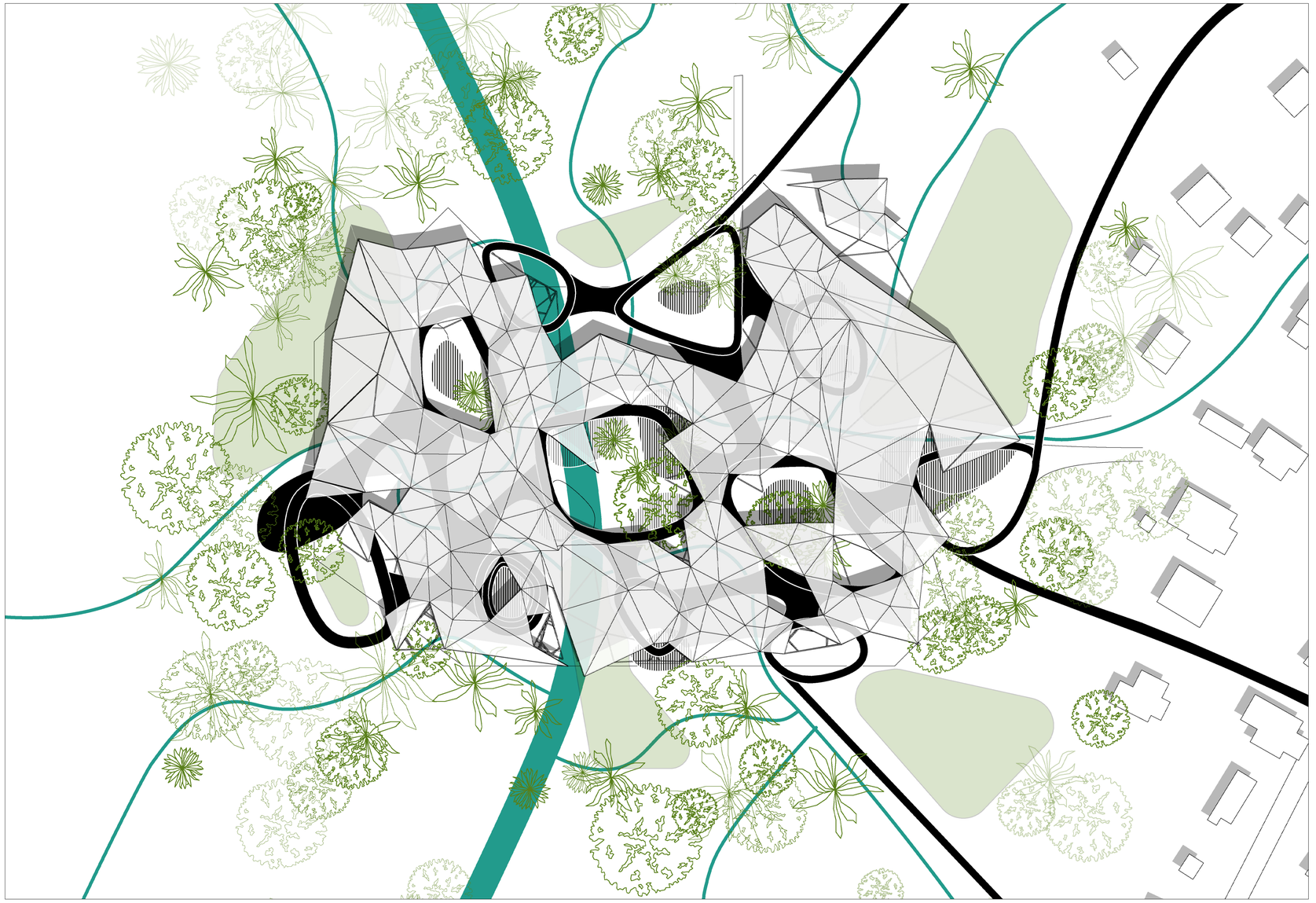
The hyperboloid supports, consisting of tubes, provide strength and stability to the pavilion, but also serve as collectors of stored energy.

Solar electric energy

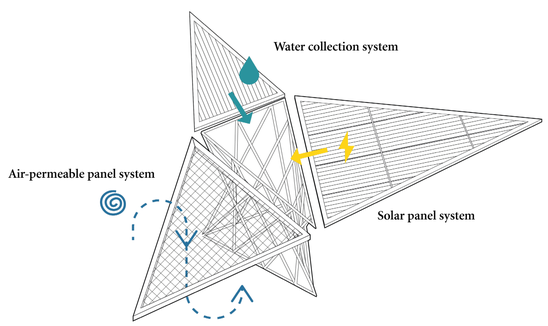


Some parts of the roof structure appear to be «tents» assembled from segments that receive sunlight from all sides.

The masterplan scheme

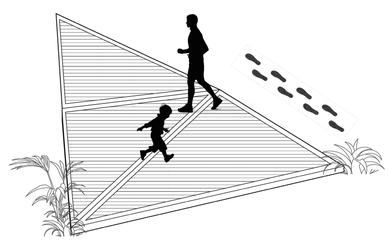


A variety of panels



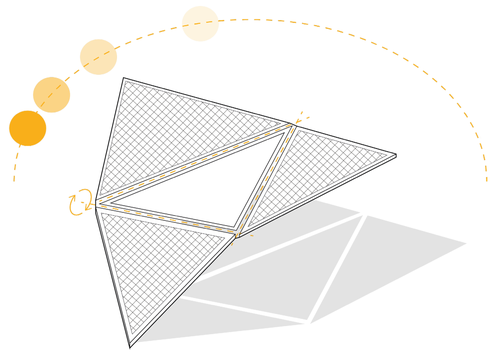
The pavilion features three types of panels: solar panels that generate electricity, water-harvesting panels that collect and channel rainwater, and ventilated panels designed to allow wind to pass through for natural cooling and airflow.

Piezoelectric tiles



The sloped structure of the pavilion incorporates piezoelectric tiles along its walking surfaces, allowing each step taken by visitors to generate electricity.

Shading panels



The panels not only collect energy, but also provide protection from the sun by providing shading.