



Inspiration of Folding Paper

The installation is designed to be retractable which is inspired by folding paper. This process not only shows the dynamic process of energy harvesting process but obey the rules of solar-driven hygroscopic water harvesting.

Retraction Mechanism

The retraction of OPV skin and the water harvesting process are designed to be synchronized. When the water collection reaches its biggest volume, the OPV skin will retract to the minimum status which gives a signal to the drone to take off. So, the drone will fly to irrigate crops or other plantations in the park. When the irrigation process finishes, the drone will return back to its original place to charge the battery, the OPV skin will return back to the longest status, waiting for the next day's sunrise.

