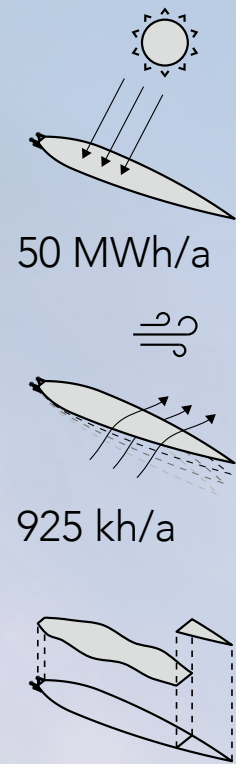


# DANCING LEAVES

In the way a palm tree harvests sun energy through its leaves, the sculpture also is designed with the leaves as the core part of the concept. They are responsible for converting the renewable resources sun and wind energy into electricity. Following the palm tree as inspiration, the leaves are shaking in the wind to make the invisible power tangible and let the sculpture come alive. The image of the dancing leaves is further pursued retracting them at night and allowing interaction during day.

## ENERGY

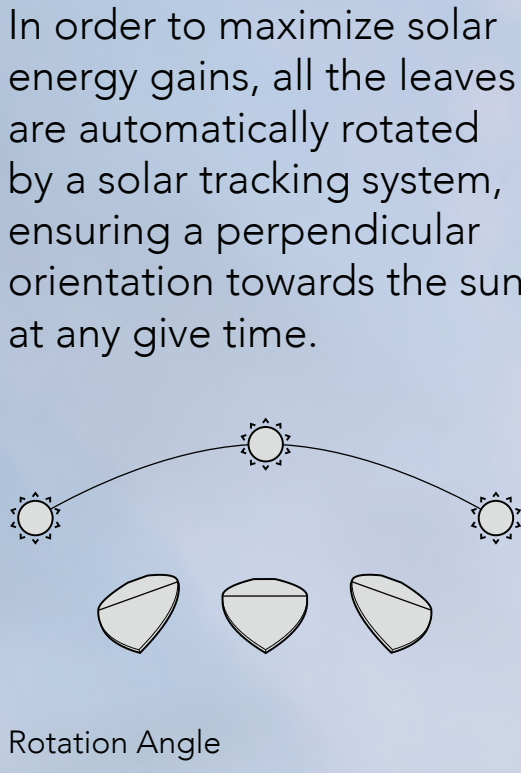


Material: CIGS thin Film Photovoltaic. 5/6 length of the leaf. Information per sculpture: Solar energy power generation 50.22MWh/a Cost:2100 USD.

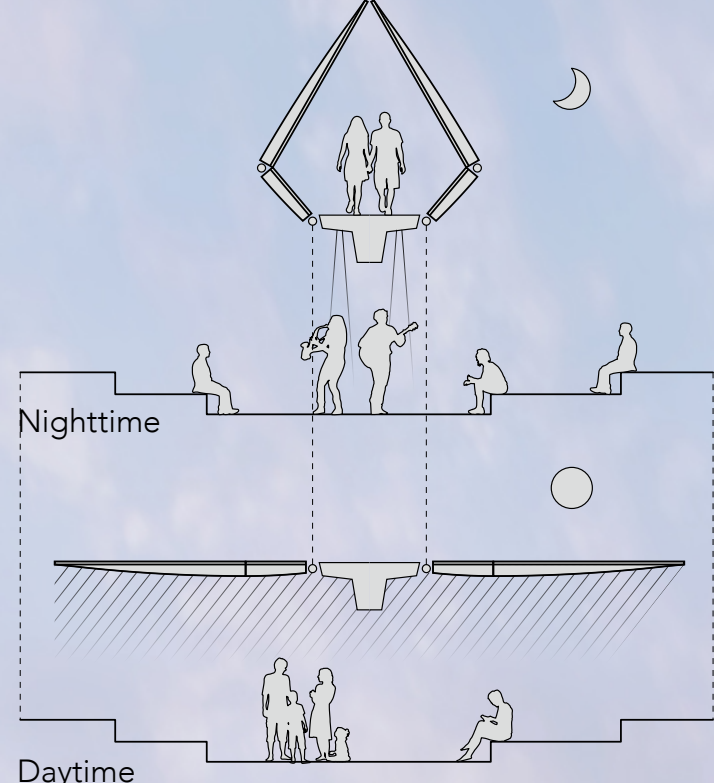
Material: carbon fiber composite. 1/6 length of the leaf. Wind power generation 924.13 kWh/a Cost:379 USD

Total generation:51.14MWh/a Cost:2516 USD

Average:3.3 USD/W



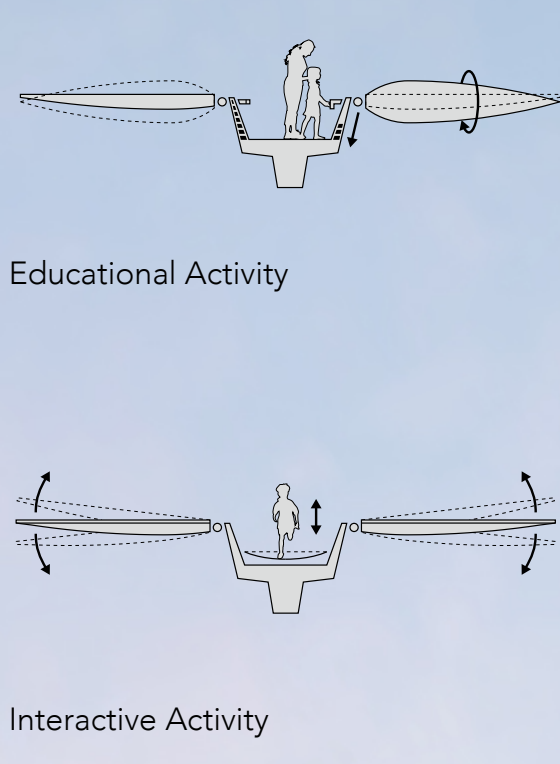
## BIG LEAF



At nighttime the leaves retract and give away the view to the night sky. Embedded OLEDs create a light tunnel which shines through the flooring, reflecting the motion of people via the Tyndall effect under the bridge.

At daytime the leaves create shade allowing people underneath to stay in a comfortable atmosphere and watch the play of light and shadow as the leaves shake in the wind.

## SMALL LEAF



The small sculptures offer an educational activity. Energy gain visualization depending on rotation angle of the leaf. It will then automatically resume optimum angle.

Flexible flooring is connected via cables to the leaves which allows the transferring of motion energy from walking or running into the shaking of the leaves.

## DETAILS

