

MEMORY SEED IN FEATHER



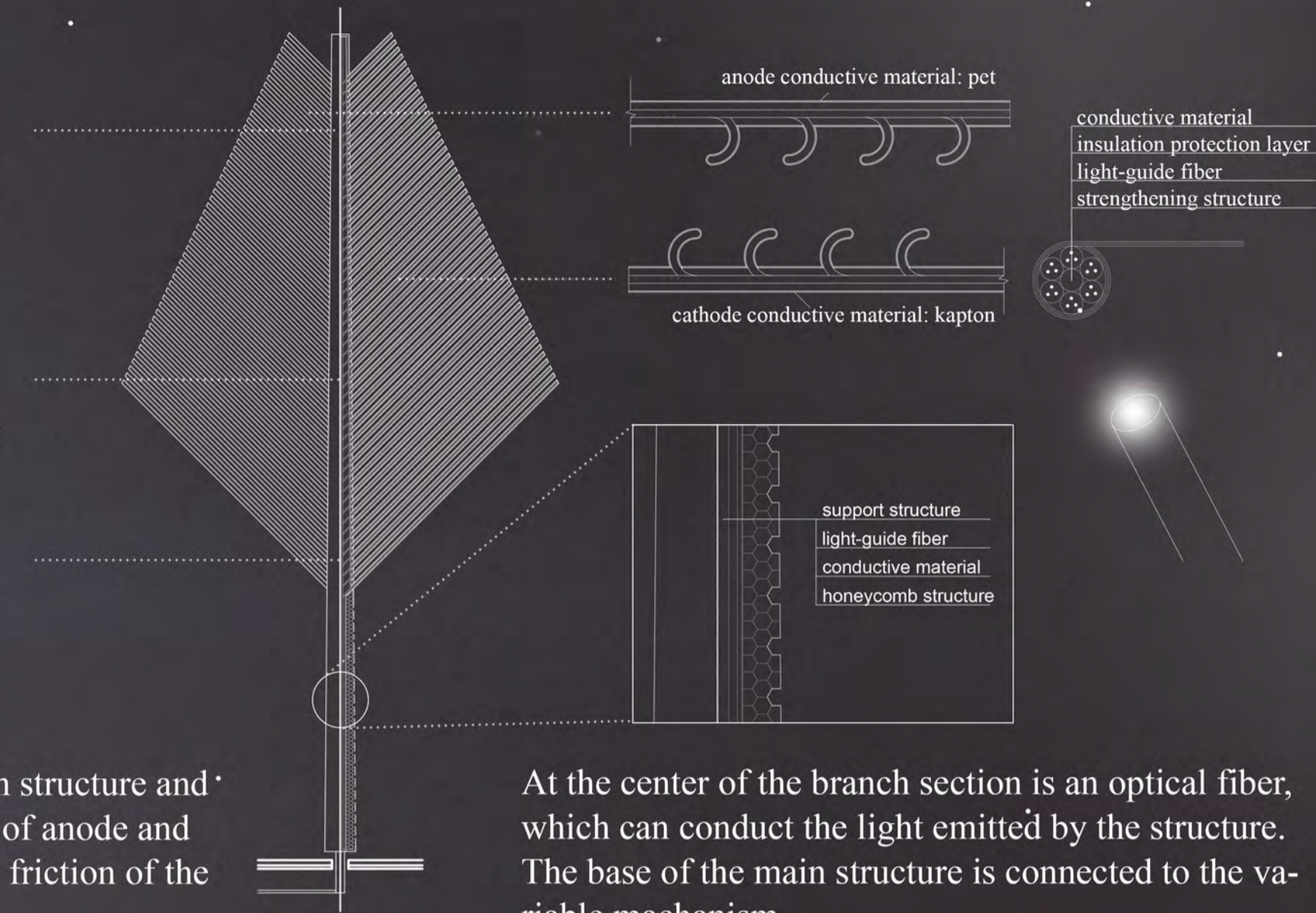
Friction electrification Technology
The charge pump effect of friction power generation based on the potential of friction point.
When friction occurs, there is charge separation between materials and electric potential difference is formed to form current.



Wireless power generation
Wireless charging constant electromagnetic induction.
A certain frequency of alternating current generates current through electromagnetic induction, which transfers energy from the transmission end to the receiving end.



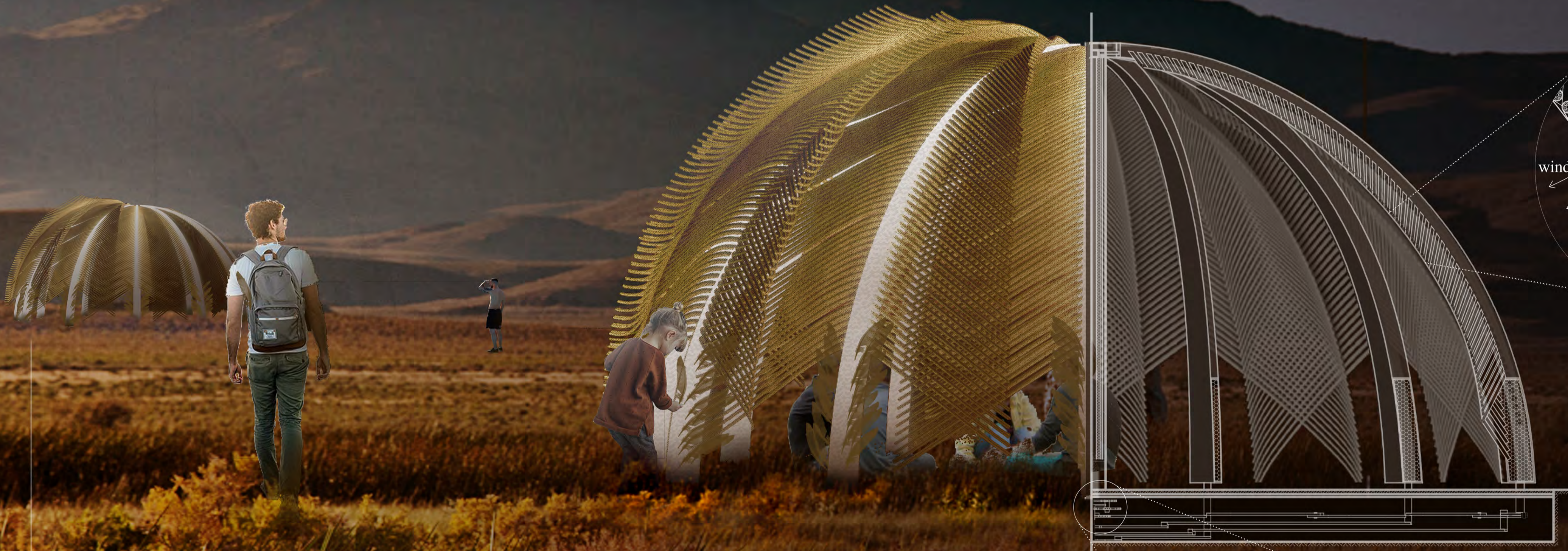
Piezoelectric technology
The effect of external force makes the internal electrode phenomenon. The amount of charge produced by the force on the crystal is directly proportional to the magnitude of the external force.



Monomer

The unit consists of a "large feather" consisting of the main structure and branches. The two part of branches are respectively made of anode and cathode materials, and the electric energy generated by the friction of the branches is stored in the center of the device.

At the center of the branch section is an optical fiber, which can conduct the light emitted by the structure. The base of the main structure is connected to the variable mechanism.



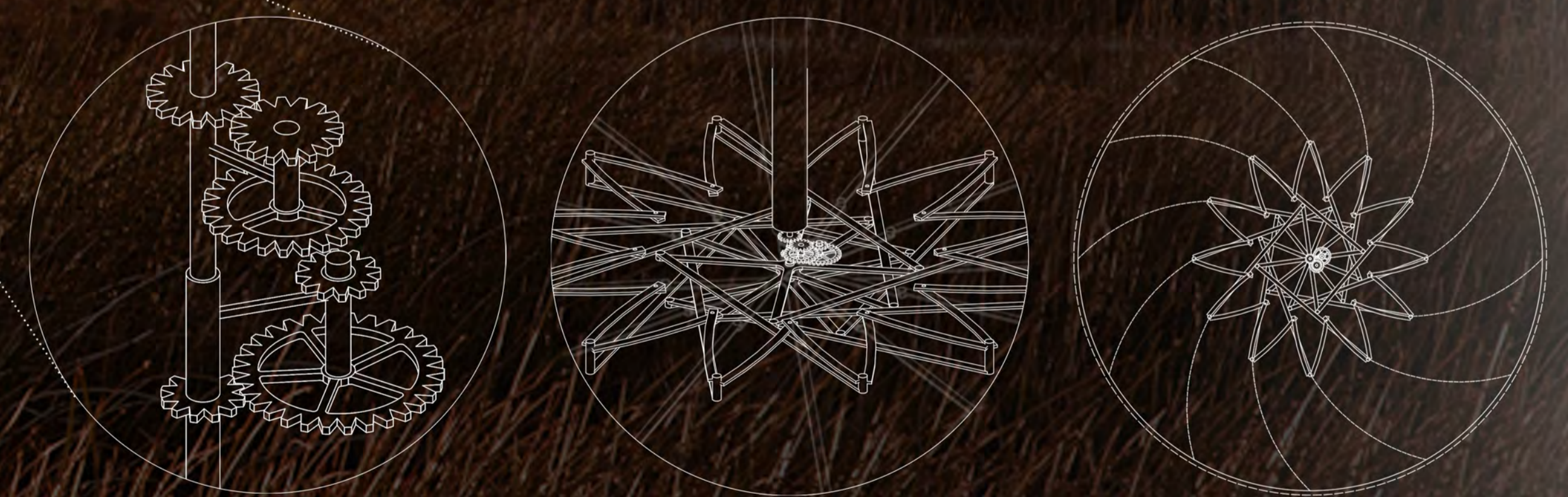
Wind

When the external wind speed is greater than 2, the diaphragm of the device skin will be blown open. The film has one-way ventilation, so the other side of the device will be blown out of shape by the wind, and the electricity will be generated by friction between the branches.

Landmark. Every visitor here will get a feather at the starting point. This feather is a disposable recording pen, also a key to open our device. With no key inserted at first, our device is a flame-shaped landmark.

Shelter. When more than 10 feathers are inserted into our device, our device will change from a landmark to a shelter. The electric drive device starts and the structure gradually expands into a hemispheric shape. Due to the one-way ventilation of feathers, the feather branchlets rub against the windward face, and the other side presents dynamic structure.

Exhibition. If more than 100 feathers are inserted, the shelter will open completely. Become an exhibition that shows a visitor meeting. Later, those who come here can pluck off the feathers that have been inserted and listen to the memories of the previous people.



Variable Mechanism

At the bottom of the device is a variable mechanism consisting of gears and connecting rods. The micro-current stimulates the motor and drives the transmission. The calculated and designed bottom rotates five times faster than the top. That's why it's able to do a bunch of deformations