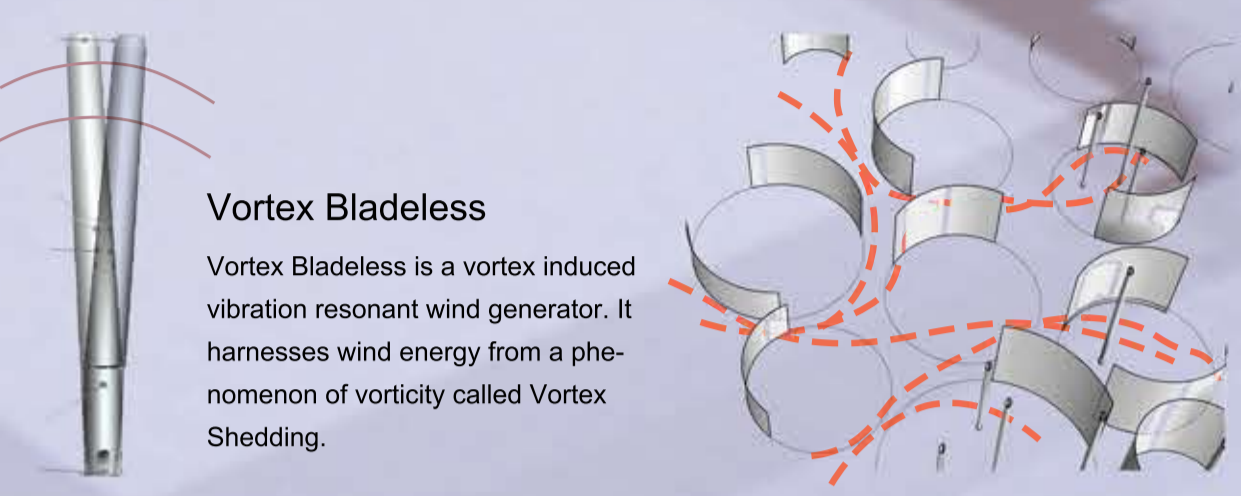


THE GUIDENCE OF THE WIND

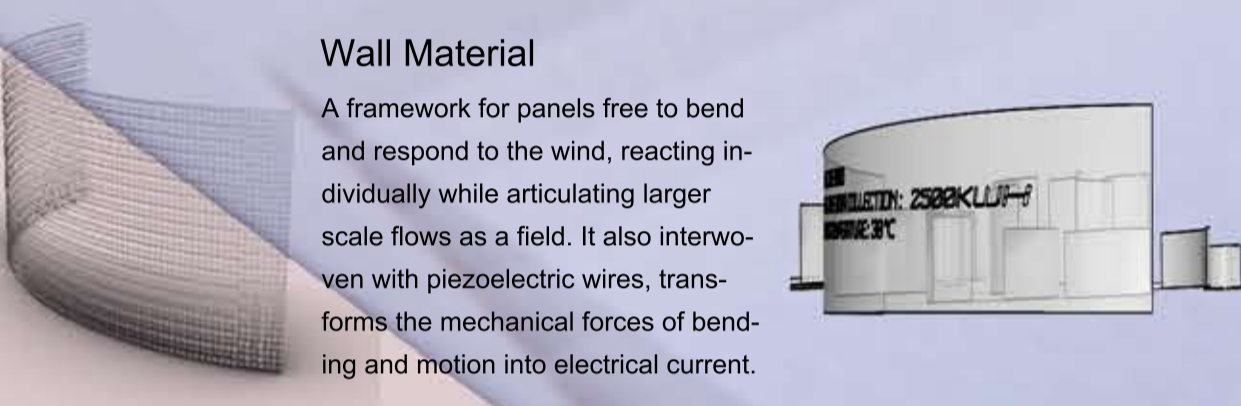
CROSSING PARK + VORTEX FORMATION

ENERGY ANALYSIS



Vortex Bladeless
 Vortex Bladeless is a vortex induced vibration resonant wind generator. It harnesses wind energy from a phenomenon of vorticity called Vortex Shedding.

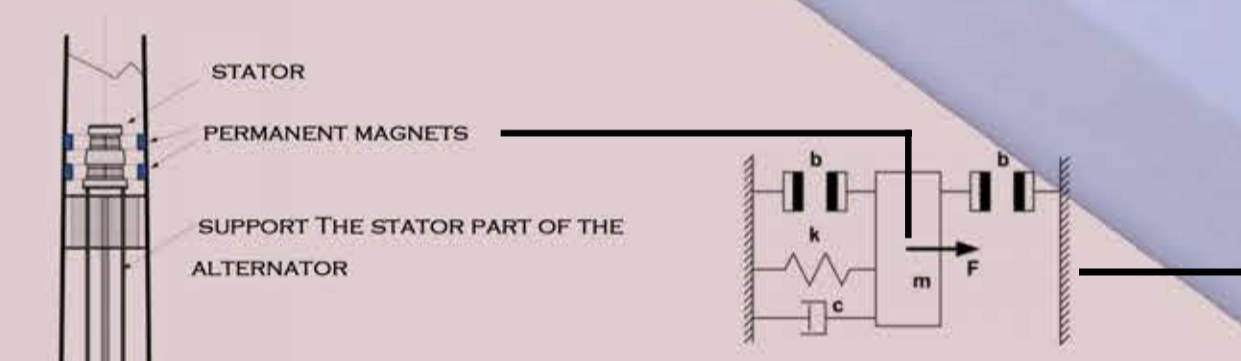
Using wall to inform more Vortex in air
 When the winds in the two directions collide together, a vortex effect is generated, the arc wall is used to guide the wind, moved according to seasonal changes



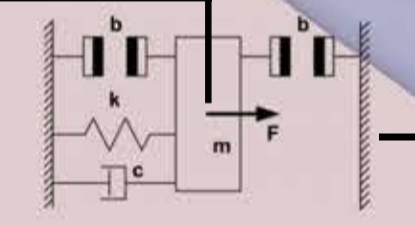
Wall Material
 A framework for panels free to bend and respond to the wind, reacting individually while articulating larger scale flows as a field. It also interwoven with piezoelectric wires, transforms the mechanical forces of bending and motion into electrical current.

Using LED transparent Screen showing the real-time data
 LED transparent wall can show people real-time data, producing different interactive effects, and can be illuminated at night

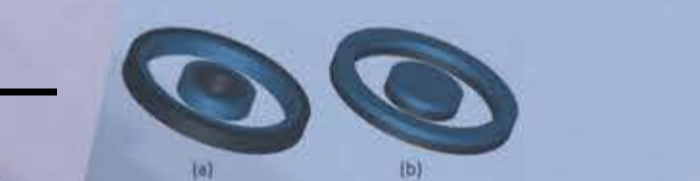
INSTALLATION



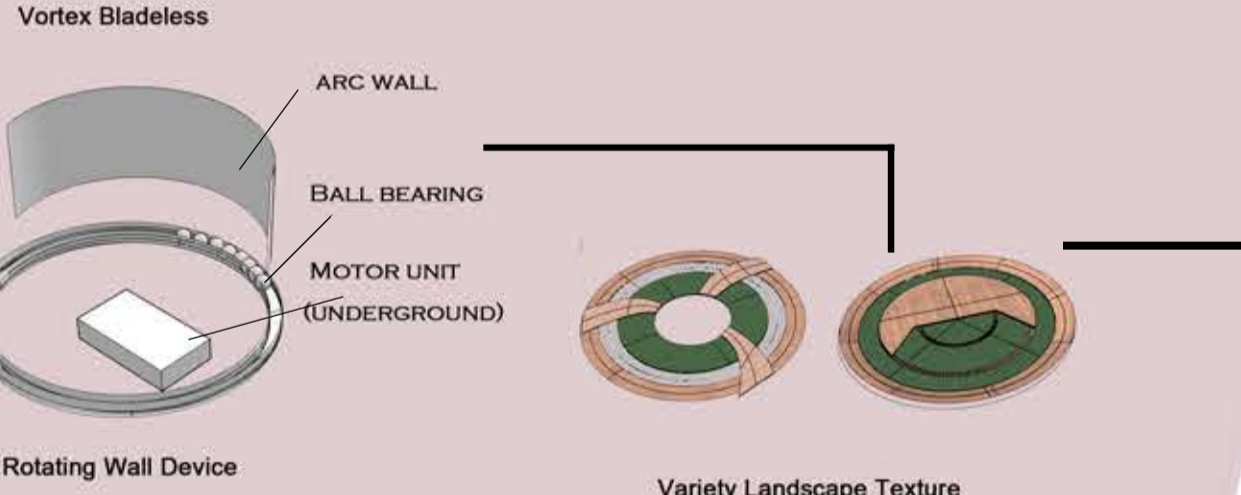
STATOR
 PERMANENT MAGNETS
 SUPPORT THE STATOR PART OF THE ALTERNATOR



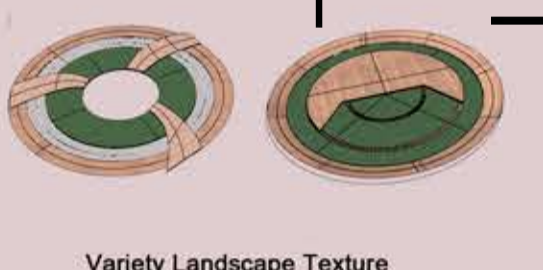
Two pairs of permanent magnets b have been added to the damped harmonic oscillator. The same poles are facing each other.



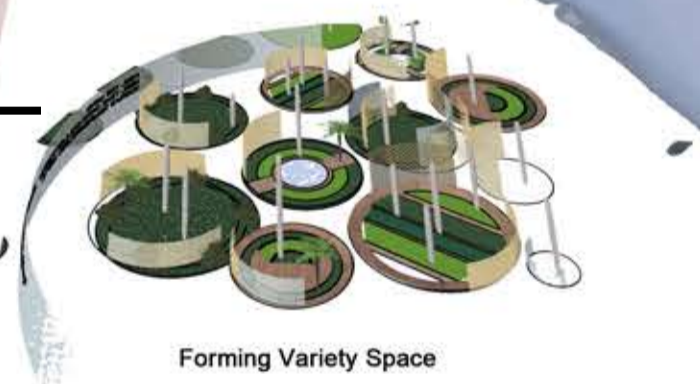
Possible arrangement of permanent magnet rings used for tuning the system. Outer ring is fixed to the mast (oscillator) and the inner ring is fixed to the ground (stator).



ARC WALL
 BALL BEARING
 MOTOR UNIT (UNDERGROUND)

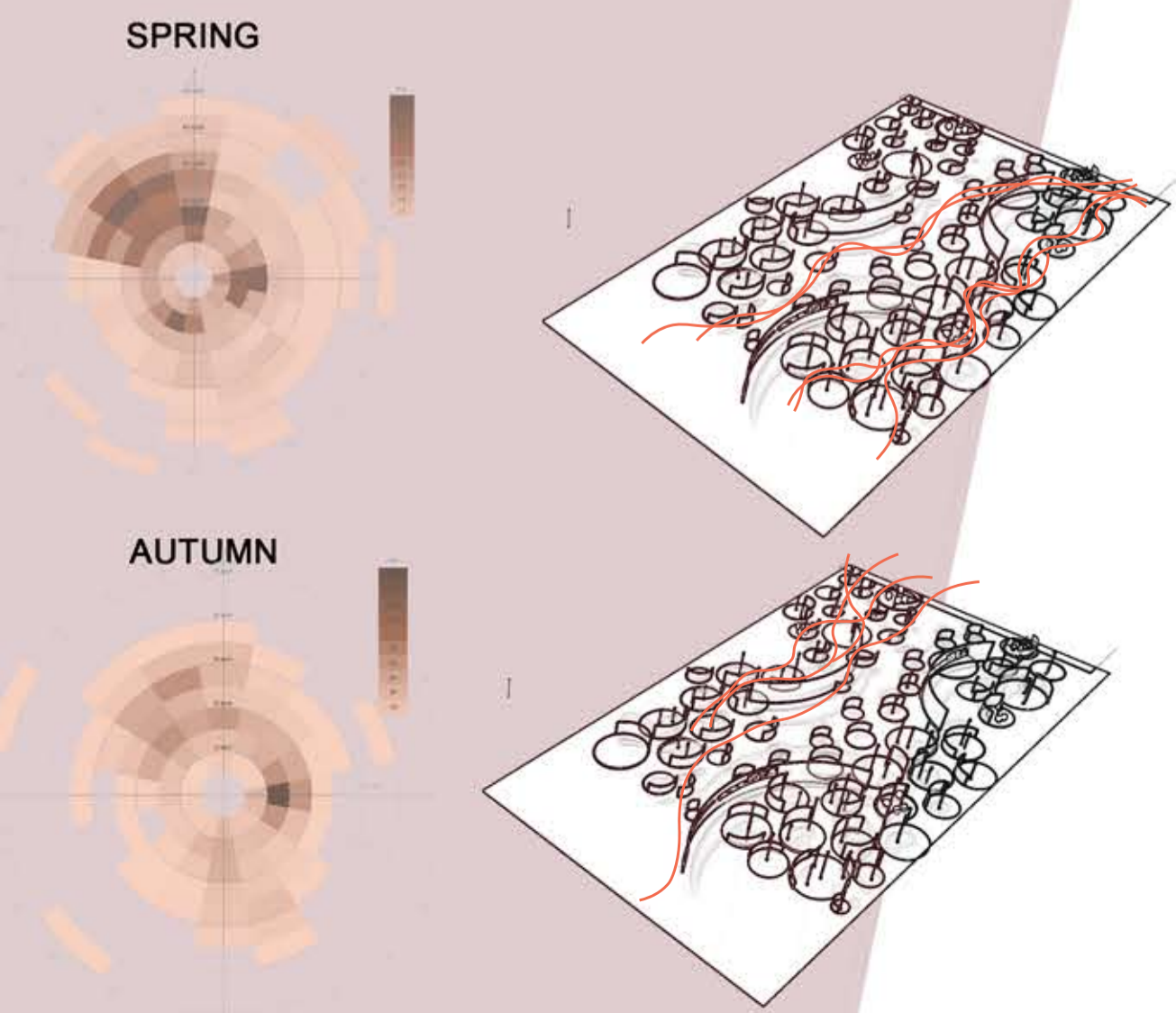


Variety Landscape Texture



Forming Variety Space

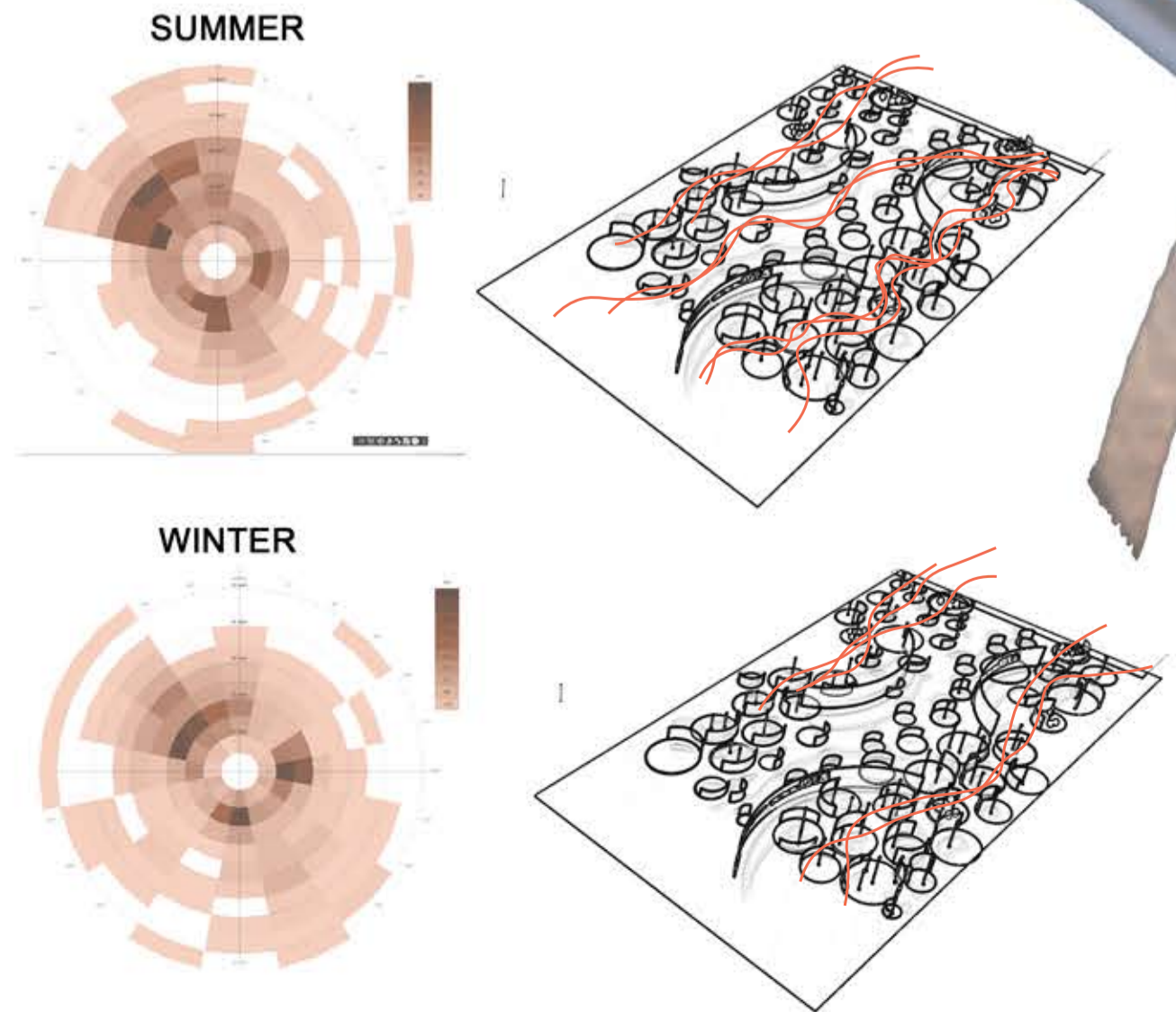
SEASONALLY CHANGE



SPRING

AUTUMN

SEASONALLY CHANGE



SUMMER

WINTER

SUMMER

