KINETICART:SEA WIND CONCEPT

WIND &TIDAL FLOW WIND/TIDAL ENERGY

MECHANICAL ENERGY
(FILM TENSION)

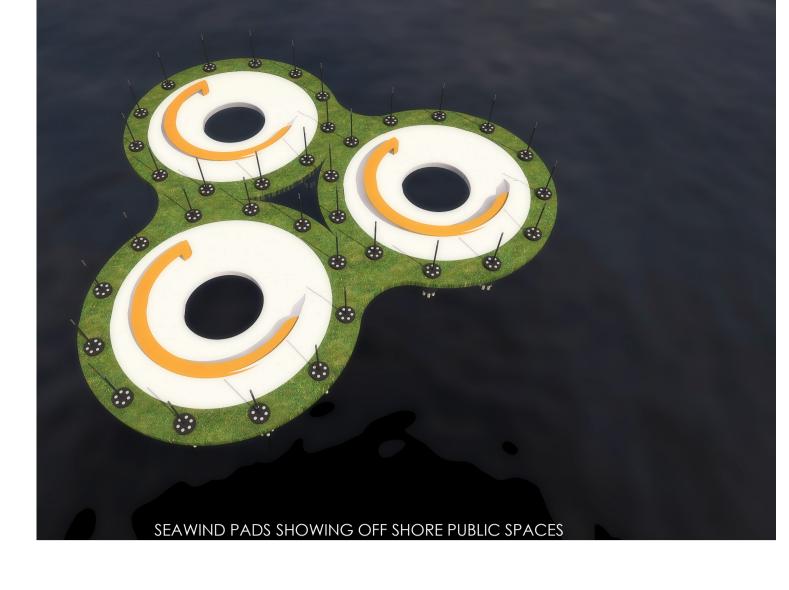
ELECTRICAL WAVE
piezo electric

RECTIFICATION, MANA GEMENT & STORAGE

Energy flow. The energy carried by the wind is converted into a mechanical wave in the film and undergoes piezoelectric conversion and energy management and storage. The piezoelectric conversion is typically characterized by the piezo stress coefficient, which relates the external stress to the induced charge.

GENERATOR

conversion



Public space with seating

GENERATOR HOUSING

- PIER

TIDE 'TENTACLES':for capturing tidal
— vibrations & converting them to electricity

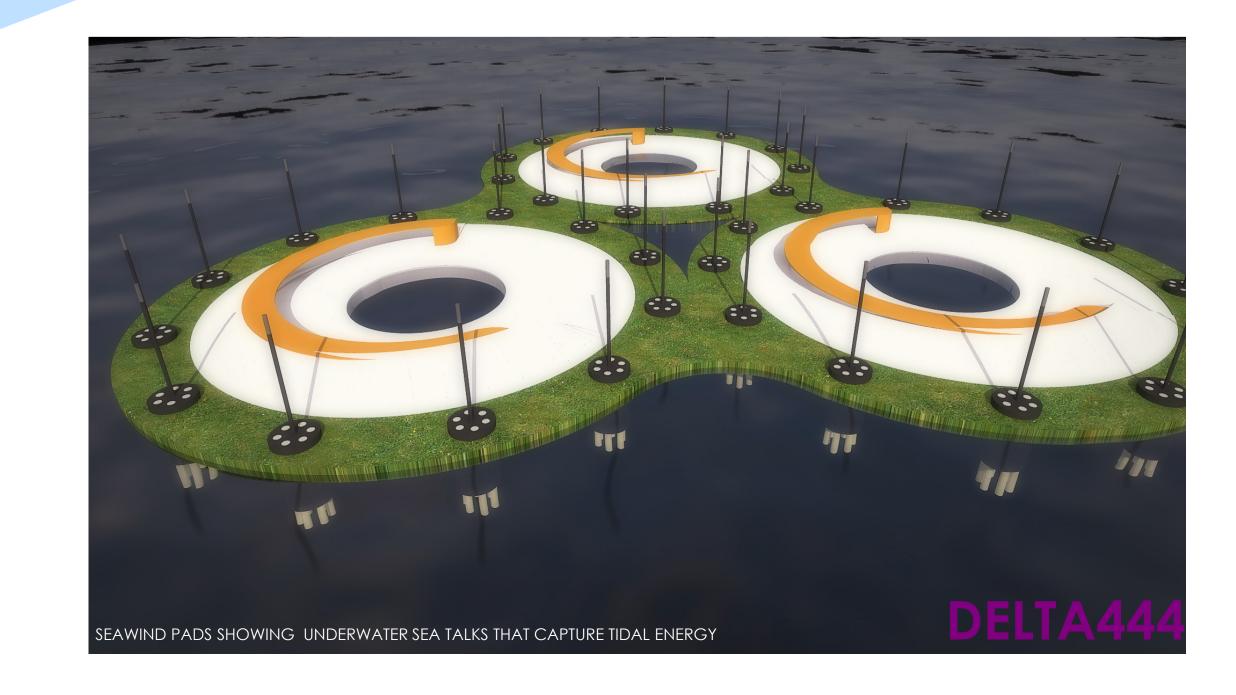
AIR CUSHIONFOR

STRUCTURAL

SUPPORT

3D SECTION OF THE ENERGY LILY PAD(TIDAL GENERATORS)

Power indicator lighting (These indicate when the power levels status)



Piezoelectric film capacitor. The top and bottom surfaces are the metallized electrodes