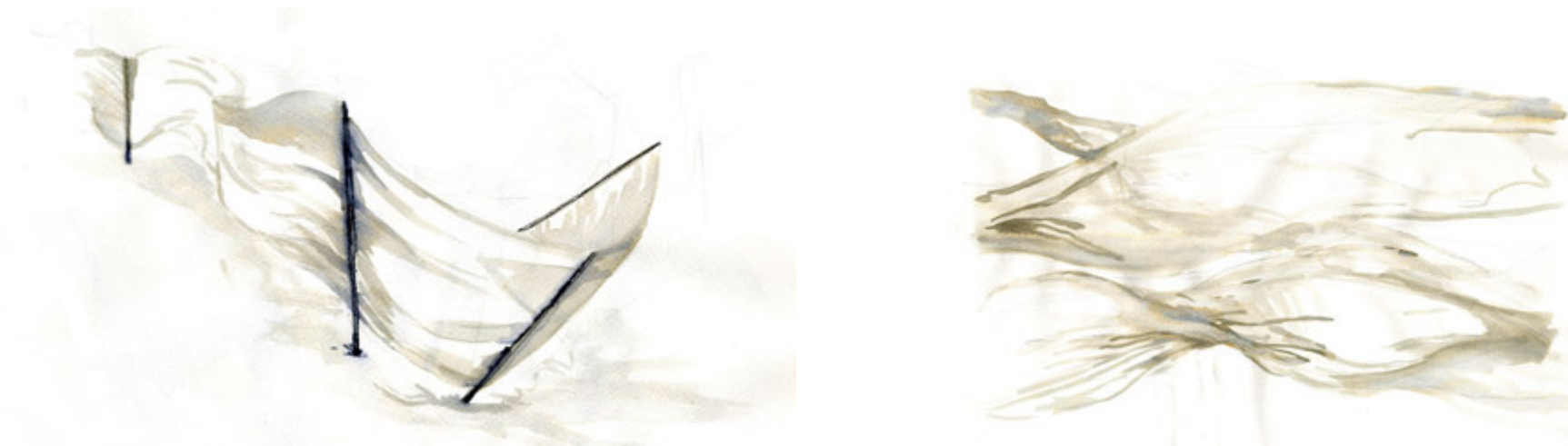
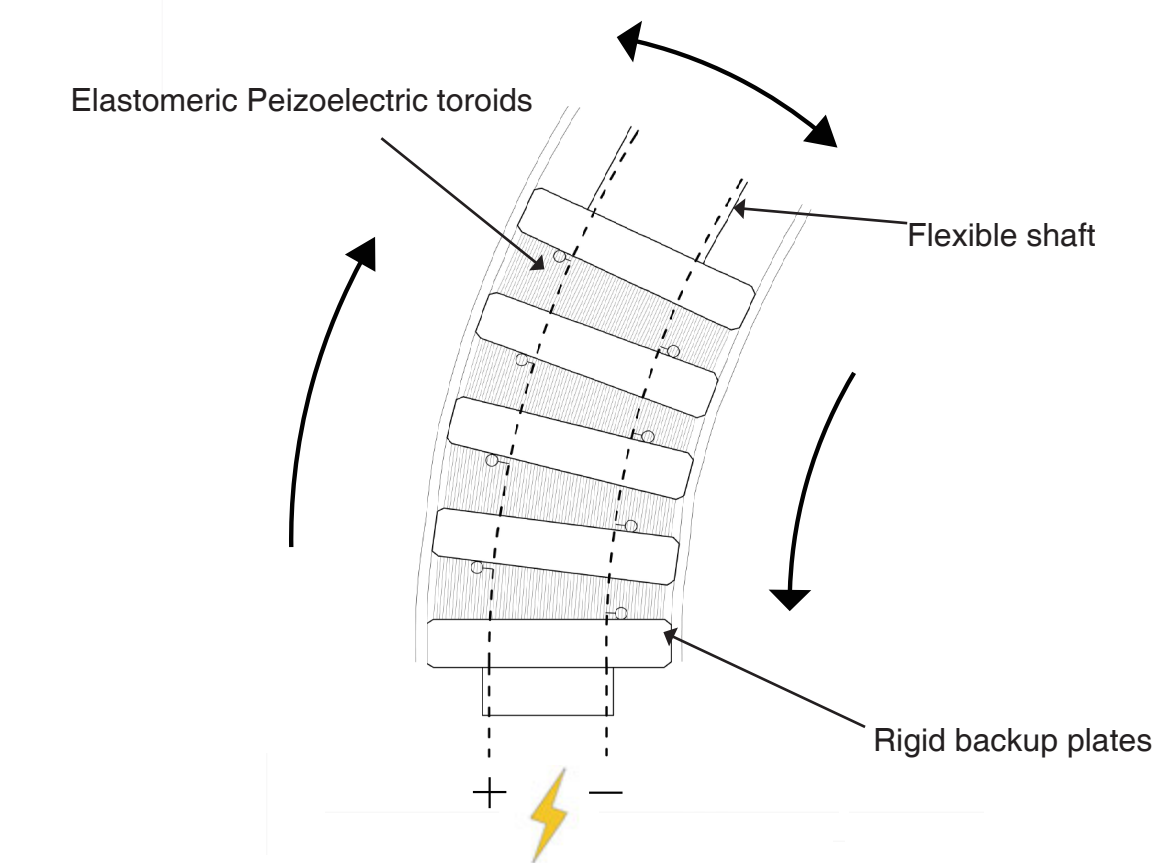


WIND LEADS FROM DAY



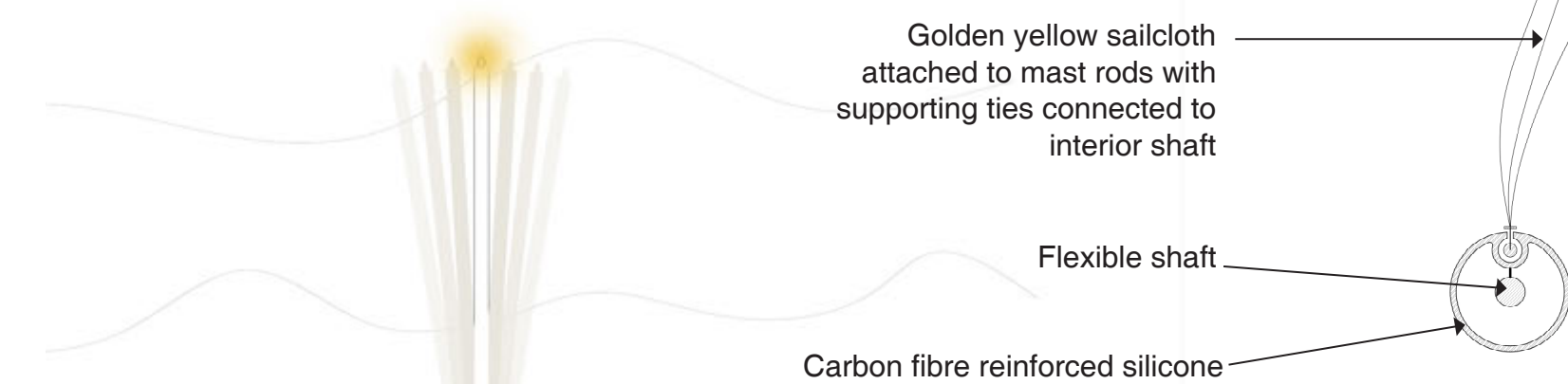
PIEZOELECTRIC ENERGY GENERATOR

Energy is produced from the mast sails that sway from wind forces. Each hollow rod is stacked with a series of piezoelectric ceramic rods with electrodes in-between. A cable connects these rods so that the swaying mast sails compress and release. This generates a current through the electrodes to generate electricity.



CONCEPT SECTION THROUGH ROD

This energy is then powered back through the rod to light up the top LED light. The brightness of this light is determined on the amount of sway resultant pressures



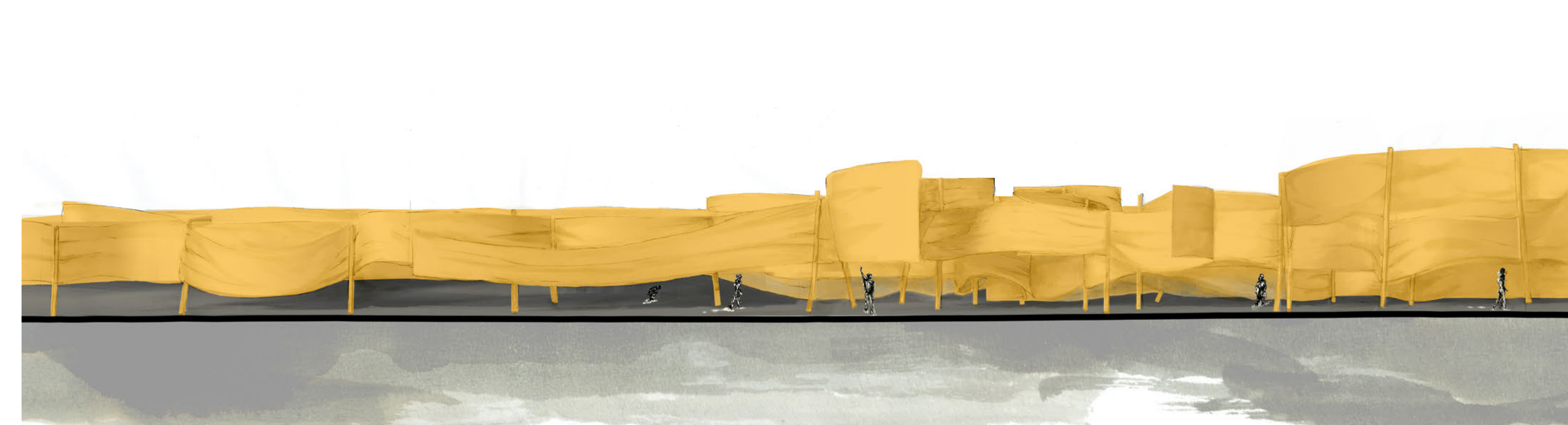
ROD & SAIL MOVEMENT

ROD & SAIL ATTACHMENT

Each mast, with a 5mm carbon fibre reinforced silicone exterior, is connected to a strip of golden yellow sailcloth, attached similarly to a straight mast sail. Slots are reinforced with steel ties that connect, in intervals, to the aluminium central shaft.



VIEW FROM ST KILDA BEACH LOOKING TO ST KILDA TRIANGLE



CONCEPT SKETCH OF WIND MOVEMENT IN SAILS