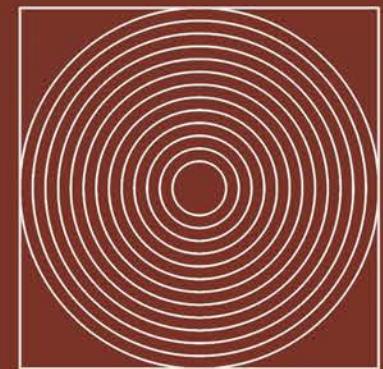


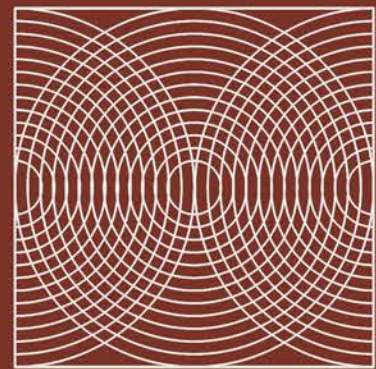


form finding

waterdrop study.



waterdrop radiates outwards.



waterdrop rebounds off boundary.



connection to surrounding context form.



droplet pattern applied at energy source & street connections.

creation of roof bounds.

application of roof patterns.

triboelectric fabric diagram



1. The Triboelectric Fabric harvest energy via movement through wind or from people physically moving them.



2. This motion causes friction between two or multiple fractions resulting in static electricity.



3. The static electricity caused by friction results from fabric in one fabric to accept electrons while the other one donates electrons, overall this electron shift causes a buildup of opposite charges on the two surfaces



4. The buildup of static charge results in the creation of energy that can go directly to the grid of Masdar City and can be stored through batteries for future consumption.

molten-salt tower cycle



Reflectors direct sunlight to tower



Sunlight heats salt



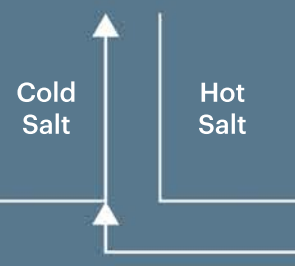
Steam powers turbine



Power exported to grid



Salt extracted from groundwater



Cold Salt

Hot Salt

Cooled Salt



Molten salt creates steam

