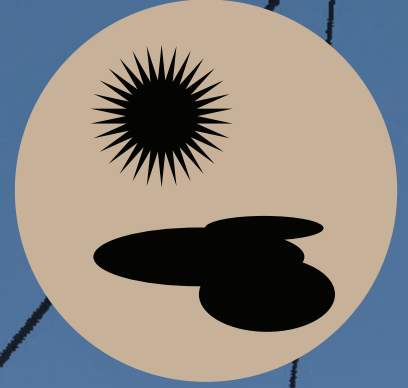




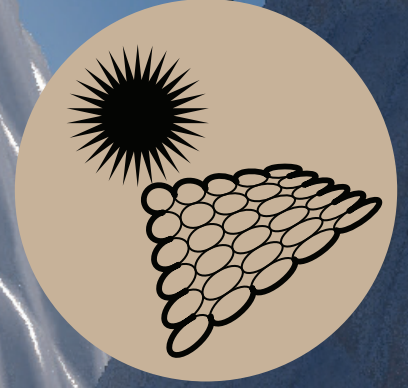
# The Saline Oases

The vision of these oases is to reflect the cultural spirit and the strong connection between the Emarati man and the water which is an essential desire for life, and it became now a great opportunity to generate electricity as well. These ponds are integrated with local trees generating an artificial landscape of smart canopies that will absorb evaporation from the surroundings. The approach is pointing to mimic the beautiful features explored in the Arabian Desert oasis and reflect it in the middle of Masdar City.



## SOLAR PONDS

Annual electrical generation of 219,000 kWh/yr using the Salinity-Gradient Solar Pond SGSP



## INFLATABLE SOLAR CONCENTRATOR

500-1000 Watts will be produced using Inflatable concentrator embedded in the canopy



## CONDENSATION & VENTILATION

Condensation of the surrounding humidity will be used for watering the site plants while ventilation will cool the shaded environment



## BUOYANT WIND

harvesting winds stronger than ground level will stretch the canopy modifying its profile constantly



## PALM TREES

A great iconic plant and has a great part of Emirati heritage and creates a green celebration at the site