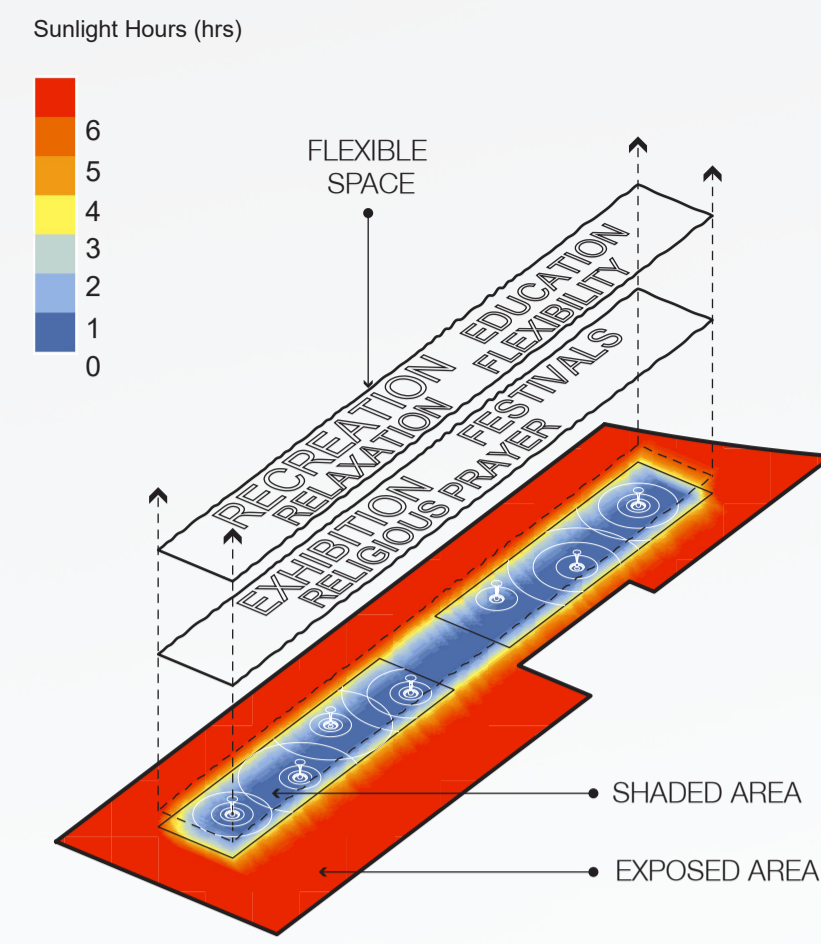


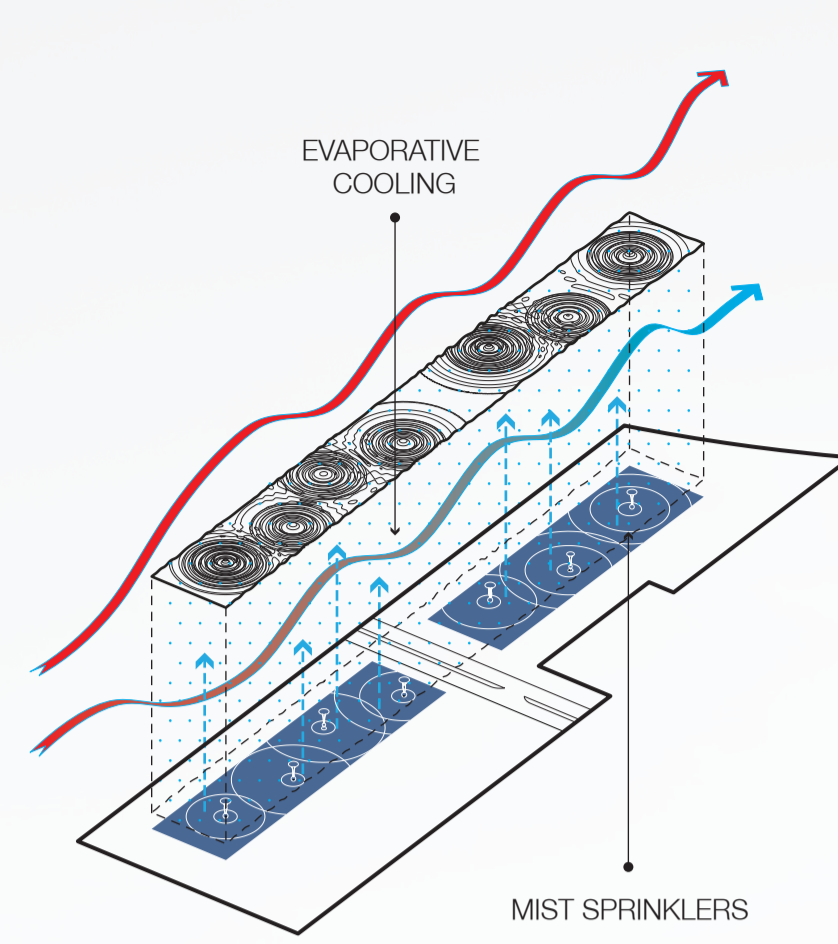
URBAN APPROACH

The surrounding site is left for future interpretation to create an inclusive green landscape, which will seamlessly merge between the the droplet project and the city. The main aim is to enlarge public realm. The canopy crosses over the road with 6m clearance.



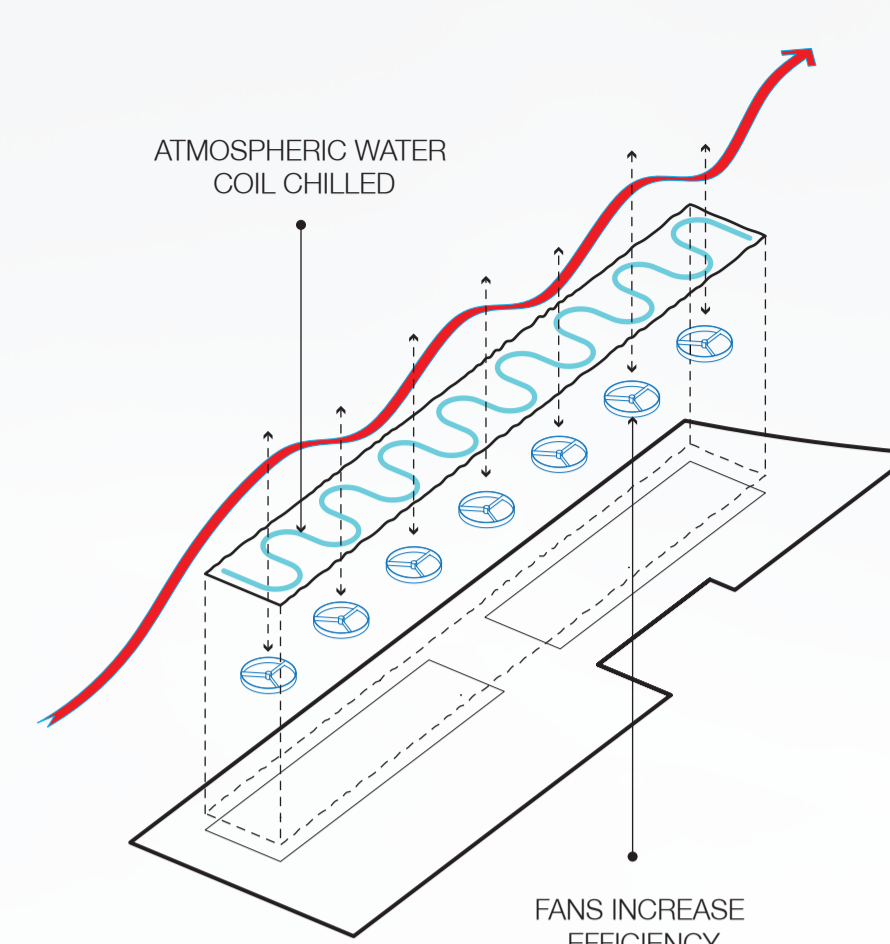
PUBLIC FUNCTION

Shielded from the hot sun, the design activates the public space throughout the day. We envision an area used for public art installations, religious events, markets, performances and other public gatherings.



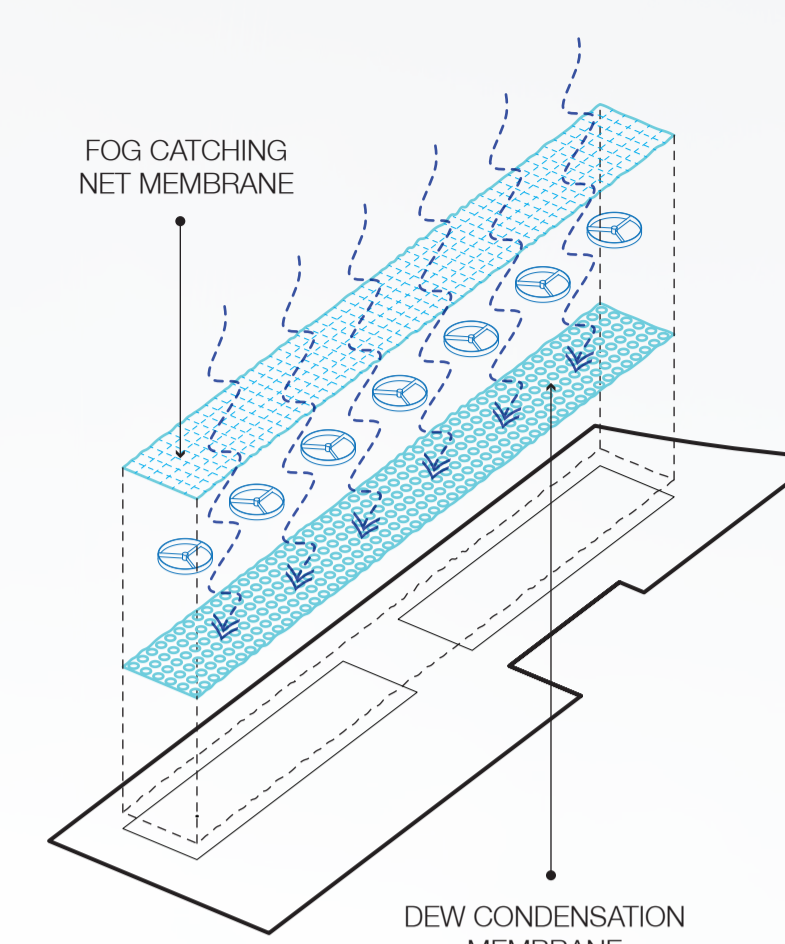
EVAPORATIVE COOLING

A comprehensive range of high-pressure misting lines are integrated into the ground plane. In hot weather the mist is turned on and the space is cooled down by evaporative cooling.



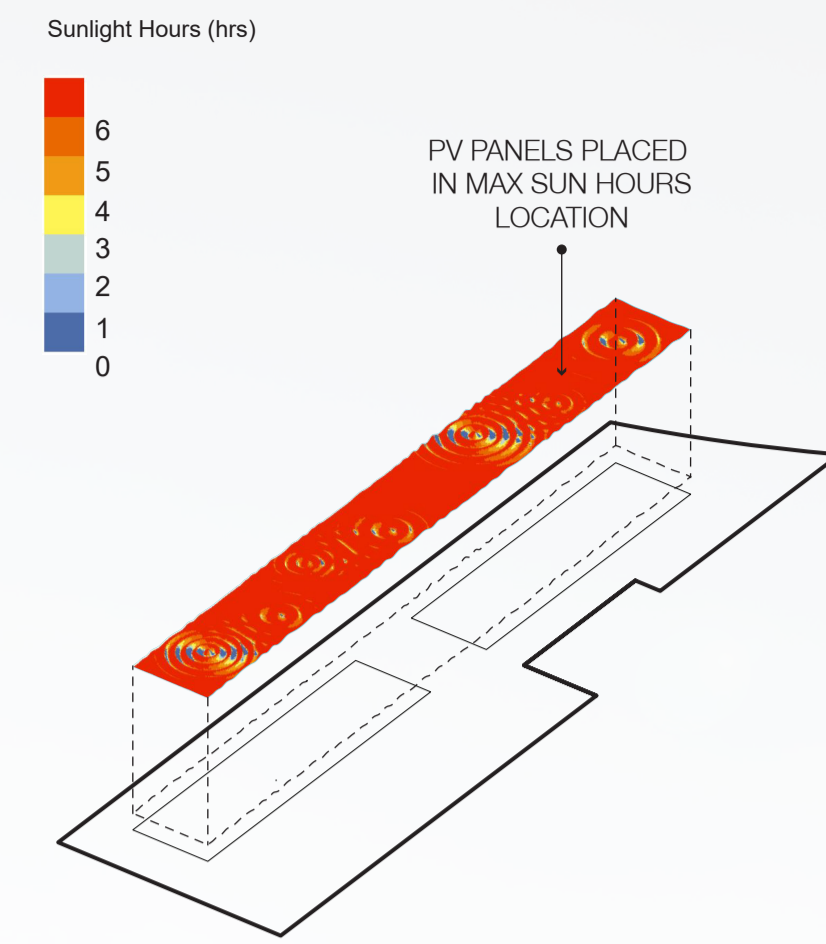
WET DESICCATION PROCESS

Abu Dhabi has ideal conditions for atmospheric water extraction with 50% average humidity. The Atmospheric Water Generator process is used to collect water in hot humid times of the year. Small fans assist the air movement to increase efficiency during non-windy days.



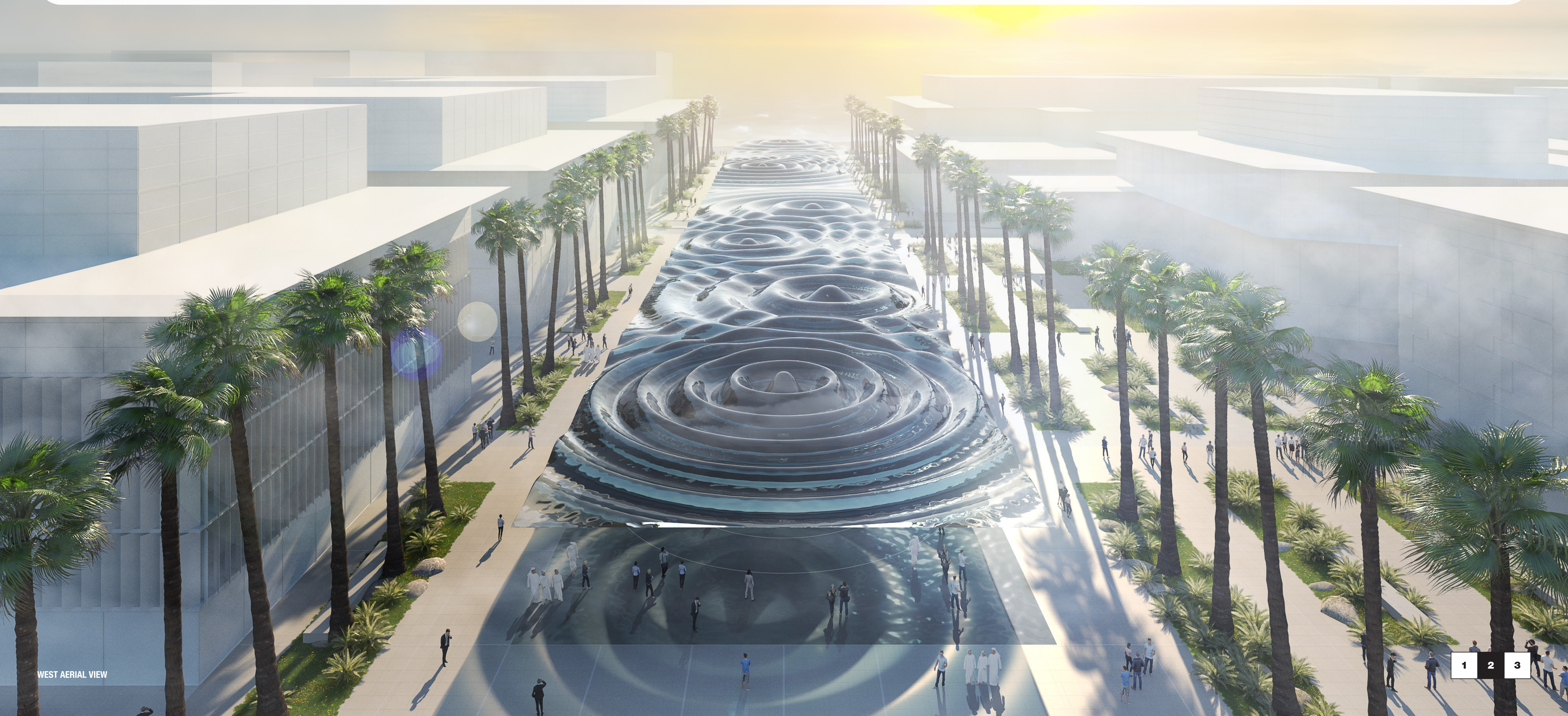
FOG & DEW COLLECTION

To harvest fog the roof uses a draped mesh surface. The interior skin of the canopy being clad with a semi-transparent membrane which collects dew. Small fans aid the droplet collection process and assist the air circulation during non-windy days.



SEMI-TRANSLUCENT PV PANELS PLACEMENT

A layer of semi-transparent solar panels sits above the fog mesh. The panels are placed in the shape of ripples to celebrate water like aesthetic. The Sunlight Hours study shows optimal solar panel location. From an airplane the project will appear as a water feature in the city.



WEST AERIAL VIEW