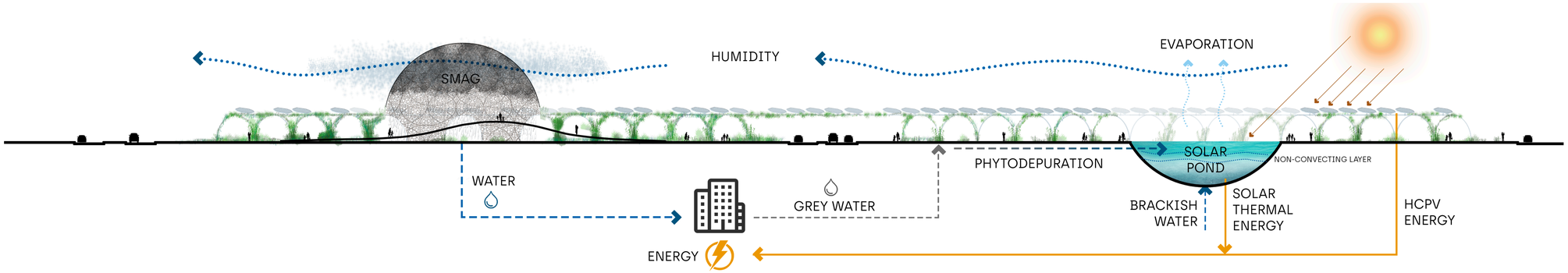
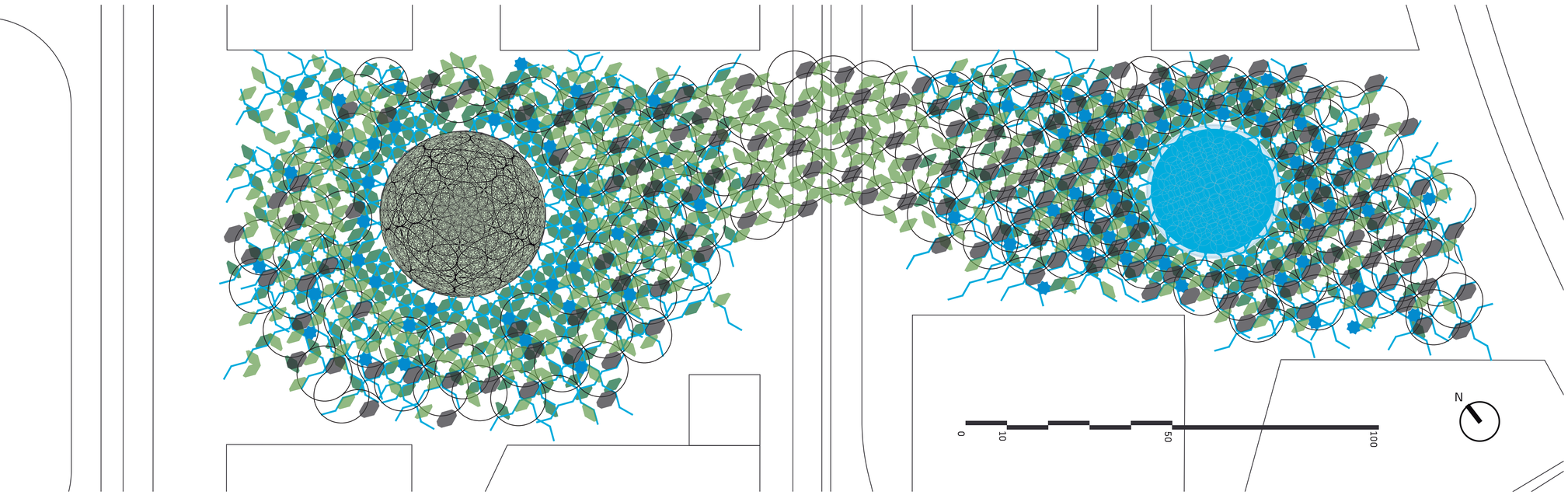
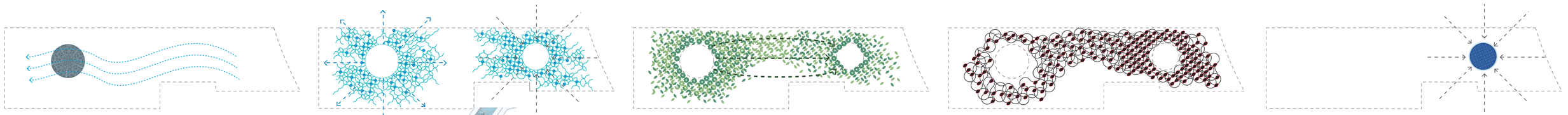
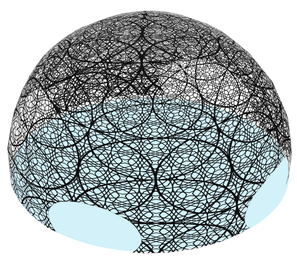




The Experience

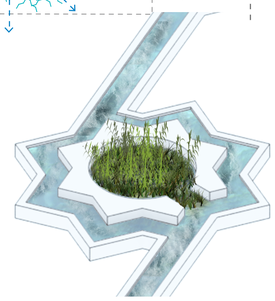
Two big scale landscape elements are planted in opposite sides of the site, both defined by the same geometry in opposite gestures, the pedestrians modify their paths to be able to approach and interact with them.
One spherical structure stands on the site ethereal like a bubble, permeable to the passing of people who enter in it and discover a thrilling everyday event, clean fresh water rains from the heated SMAG that has been receiving daylight for a couple of hours. The arid ground now gets the conditions for supporting vegetal life.





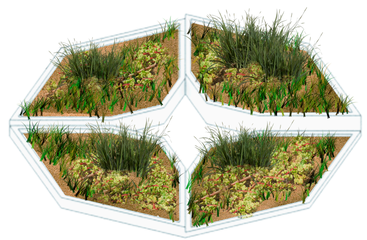
Atmospheric water harvester

Super Moisture Absorbant Gel (SMAG) with a surface 600 m2 can harvest 119, 700 L of Fresh water per day in the form of rain.



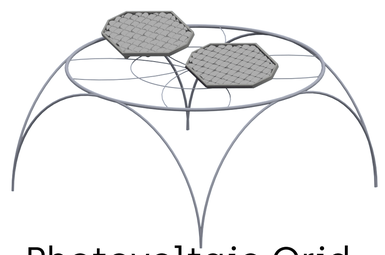
Irrigation Ditch / Phytodepuration

The water goes into the irrigation ditches and then is send to the city, it returns through the phytodepuration water system, and is led to the solar pond



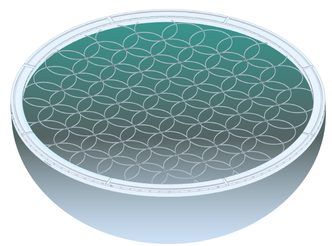
Plants Dissemination

The water obtained through the proposed cycles, modify the conditions of the site, the hostile environment now becomes a friendly and sustainable ecosystem.



Photovoltaic Grid

186 BSQ-D280 HCPV modules with a capacity factor of 127,740 MWh per year, enough for 3252 Masdar's city Eco-villas per year.



Solar Pond

960 m2 surface can generate 200 MWt Thermal Power for Electricity Production of 4,380 MWh per year, enough for Illumination and mechanical systems.

Dyadic Sphere

System