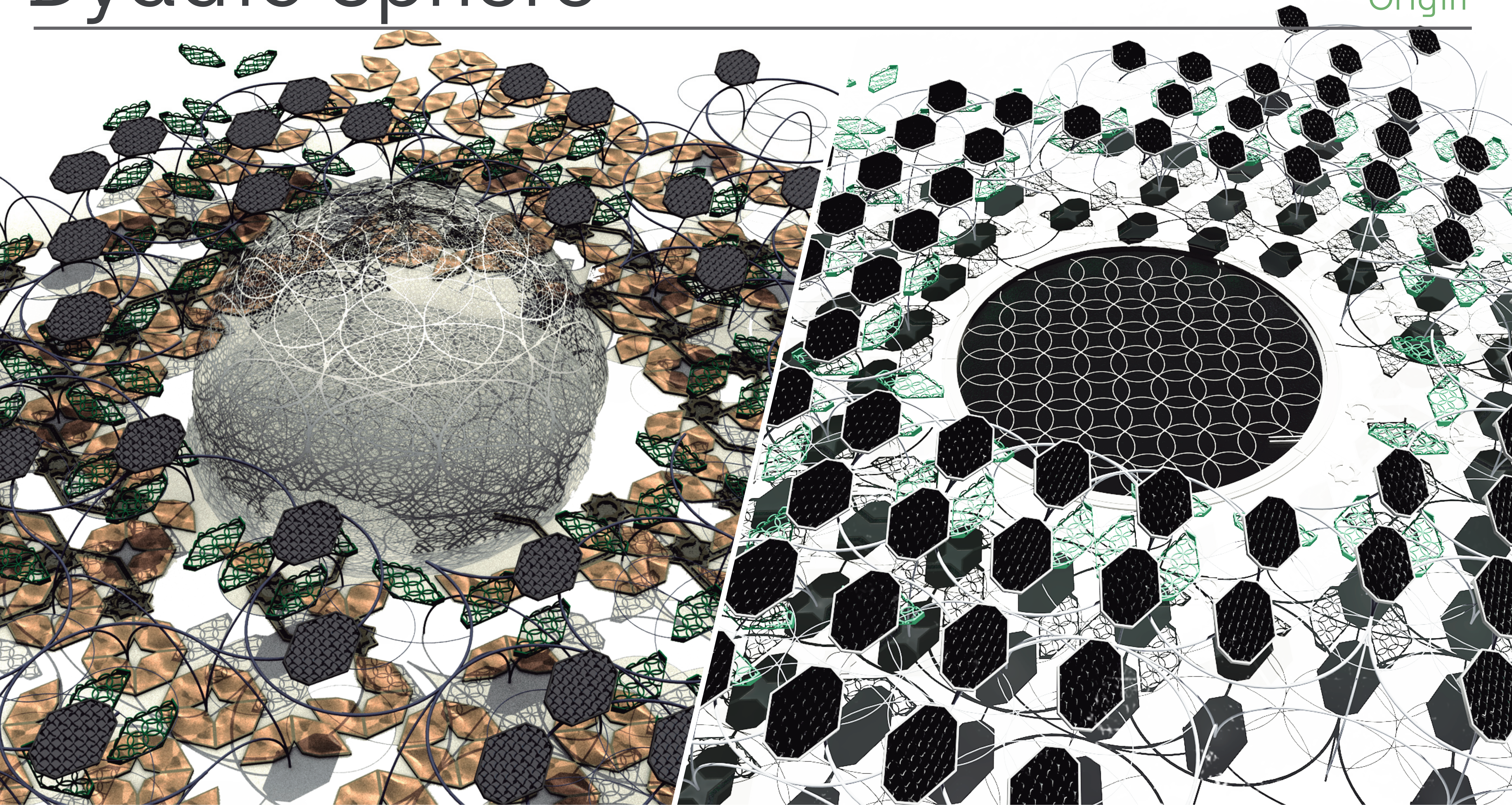


Dyadic Sphere

Origin



LANDSCAPE + POWER + WATER GENERATION CYCLE

The future of Masdar City and the Earth relies on finding solutions for sustainable energy, one of the greatest and vast source of clean energy is solar. By using the HCPV technology which is one with higher conversion efficiency values, we take advantage of the available radiation at this latitude. In addition to solar radiation, the site has the relative humidity qualities to use an innovative technology that literally sucks water from the environment called Super Moisture Absorbant Gel. With this resource obtained from the environment, it will be possible to produce even more clean energy through the implementation of a solar pond, this causes a cycle that makes possible the sustainable development of the landscape of the site in the medium term. This integrated duality gets positioned in the site, which is a fragment of a Green Axis in the Master Plan of Masdar City, this duality is perceived and explorable in multiple directions, it is proposed as repeatable, scalable and a phenomenon for interaction, a place that makes people to be involved and aware that the habitat, the technology, the resource, and the morphology are linked.