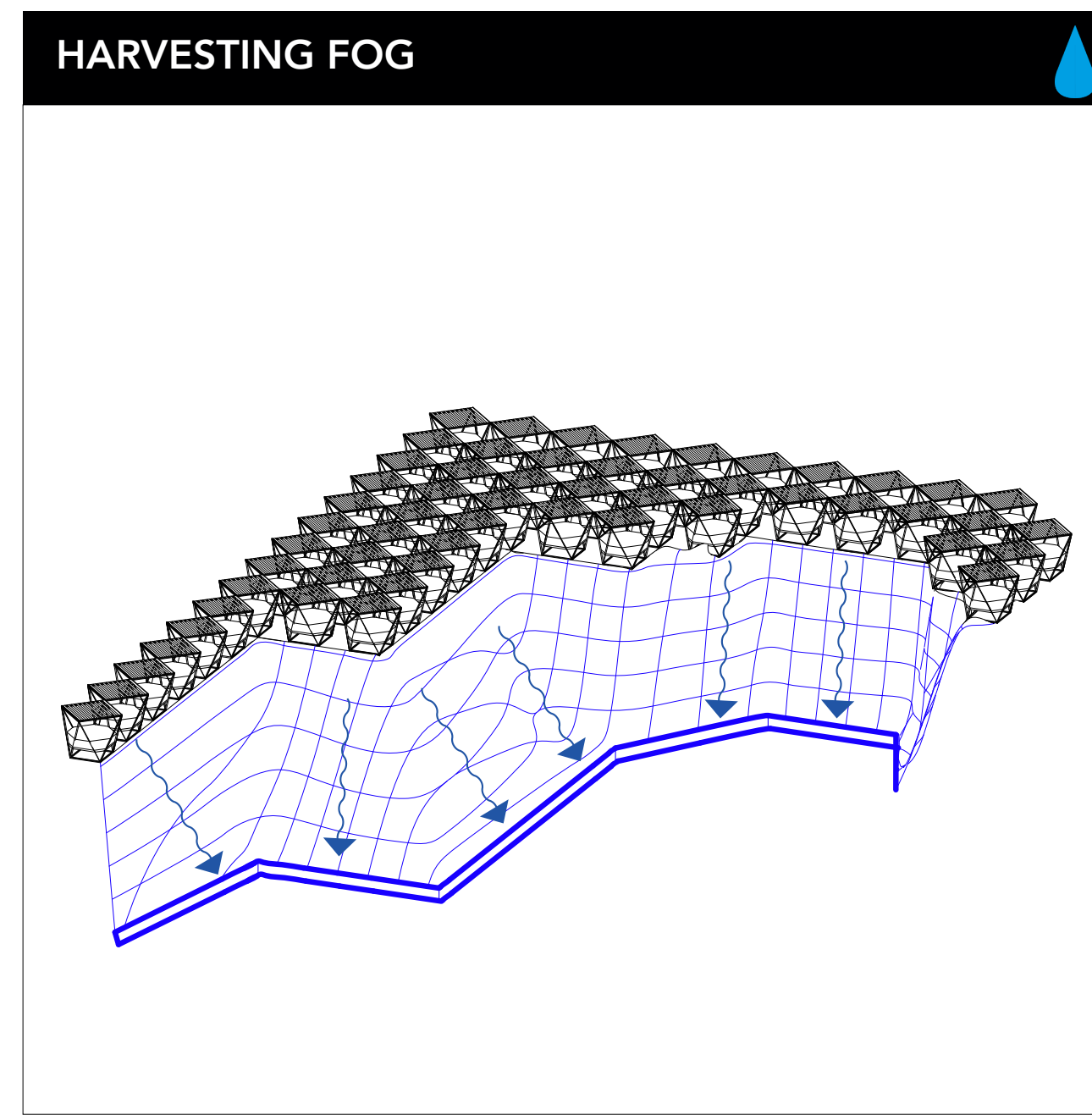
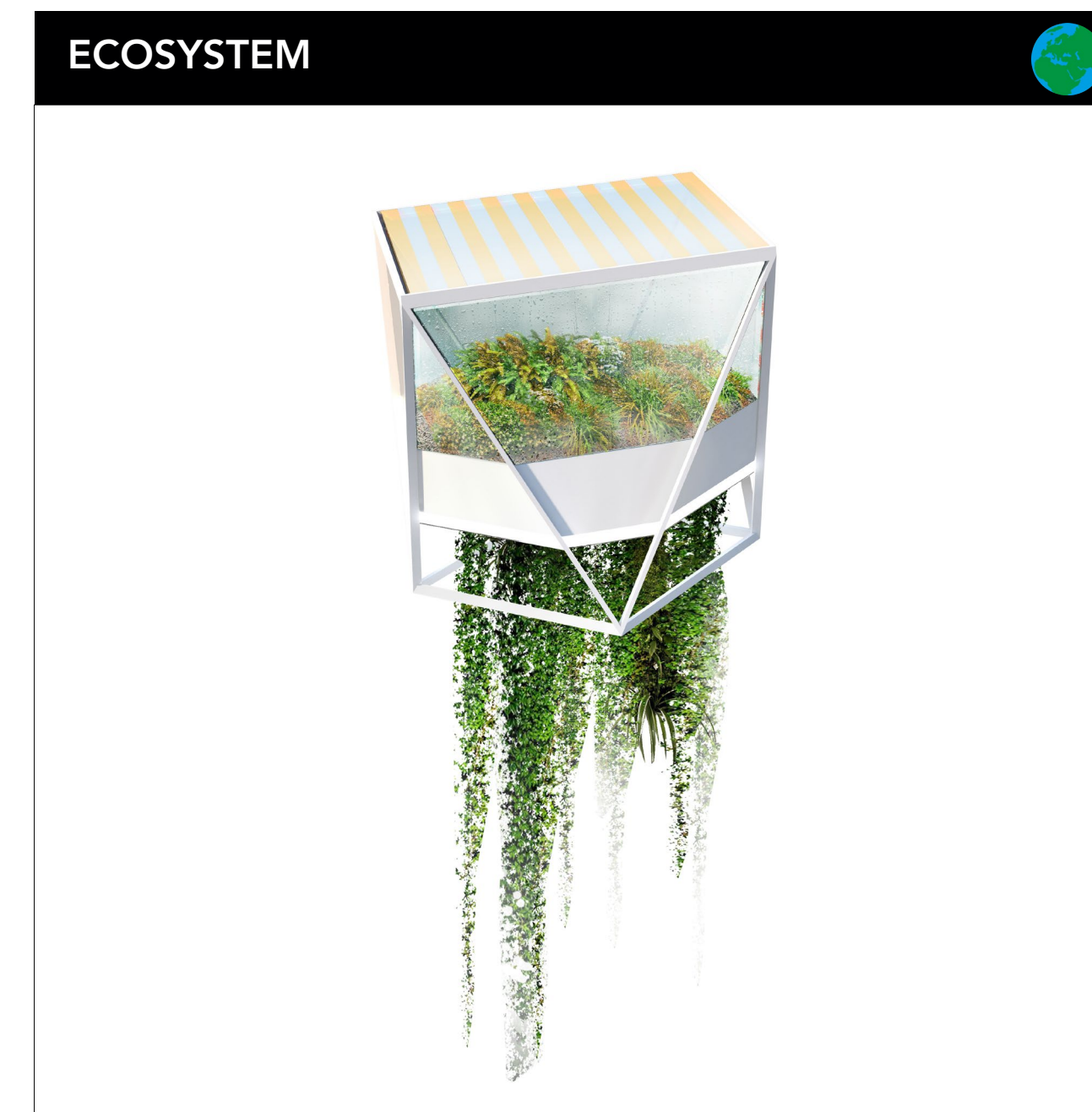


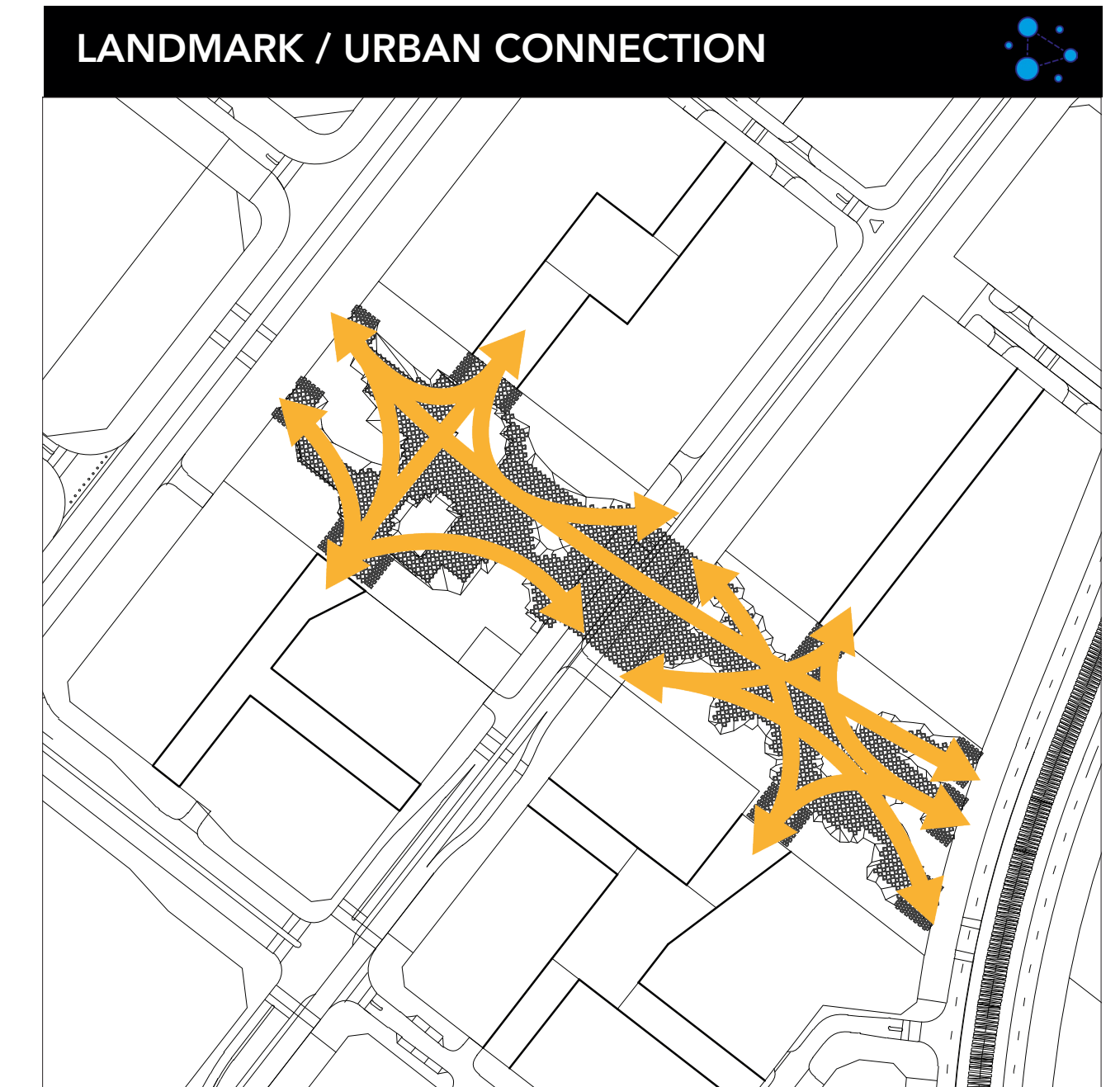
All the Solar Panel are made from the ASCA film : it's a **flexible** film that can be put on a glass panel and is **translucent** . This panel can measure up to 6 meters long and 60cm large, and is **extremly light** : 450g/m2 . The maximum energy is 80Wc/m2



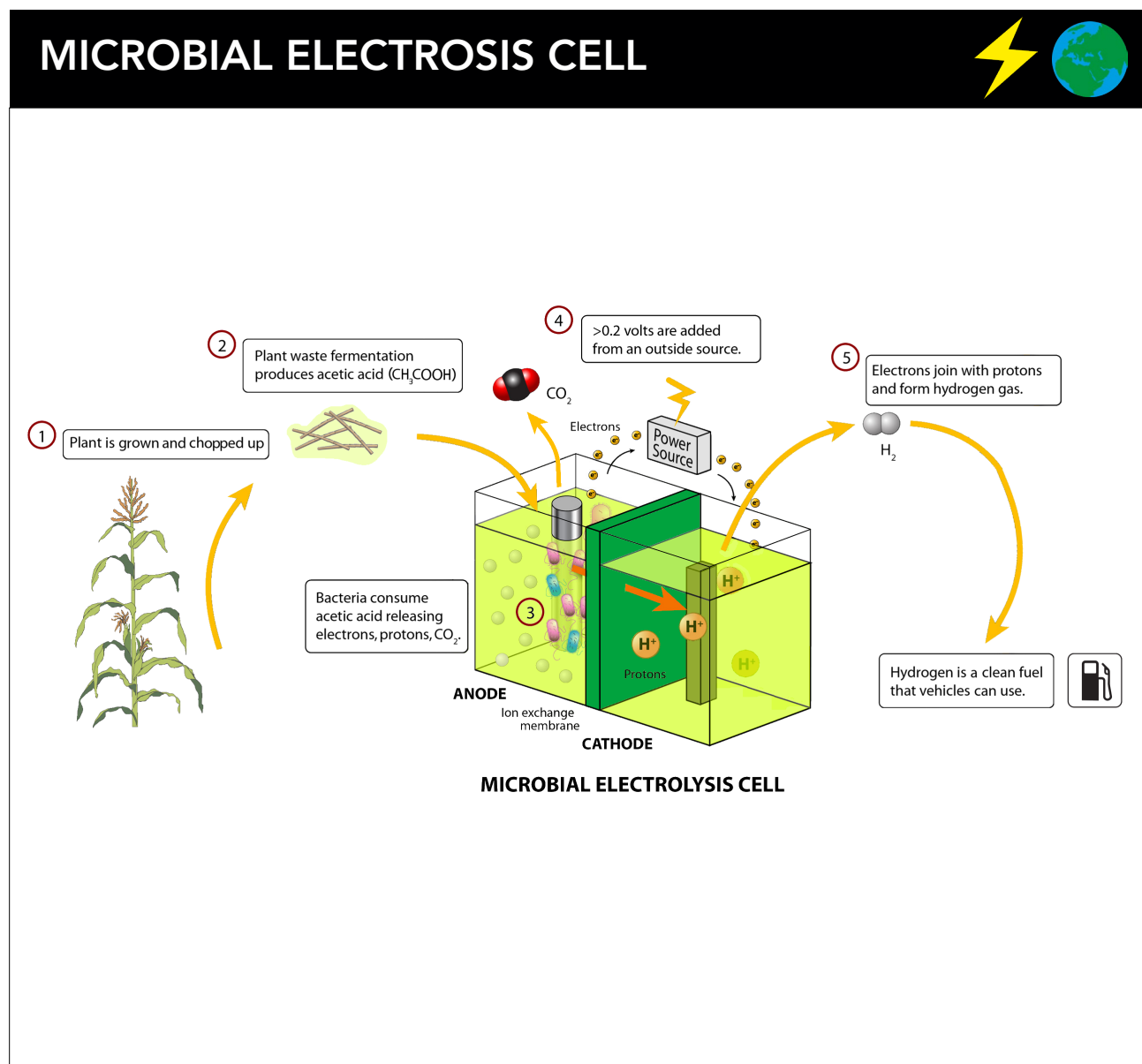
This fog harvesting device is composed by a **double layer mesh**, supported by the Oasis module . The collectors are **oriented in various directions**, always perpendicualr to the ground, maximizing the capture of precious water .



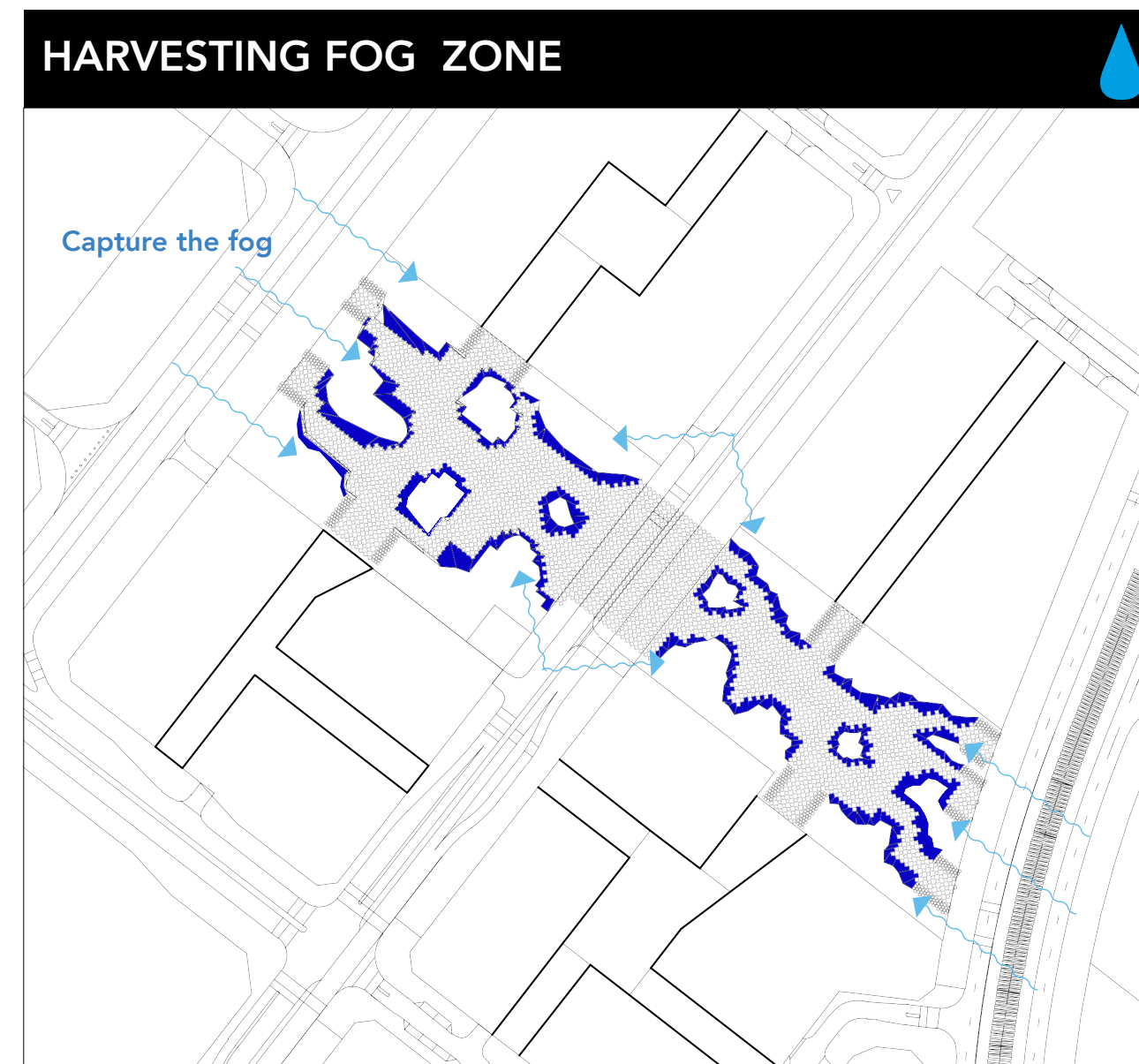
The Oasis module is made of a **white steel structure**, a hermetic glass panel topped by a translucent solar panel, some earth and substrat, a line of bioluminescence and plants. All modules can be either **independent, or connected** with an other .



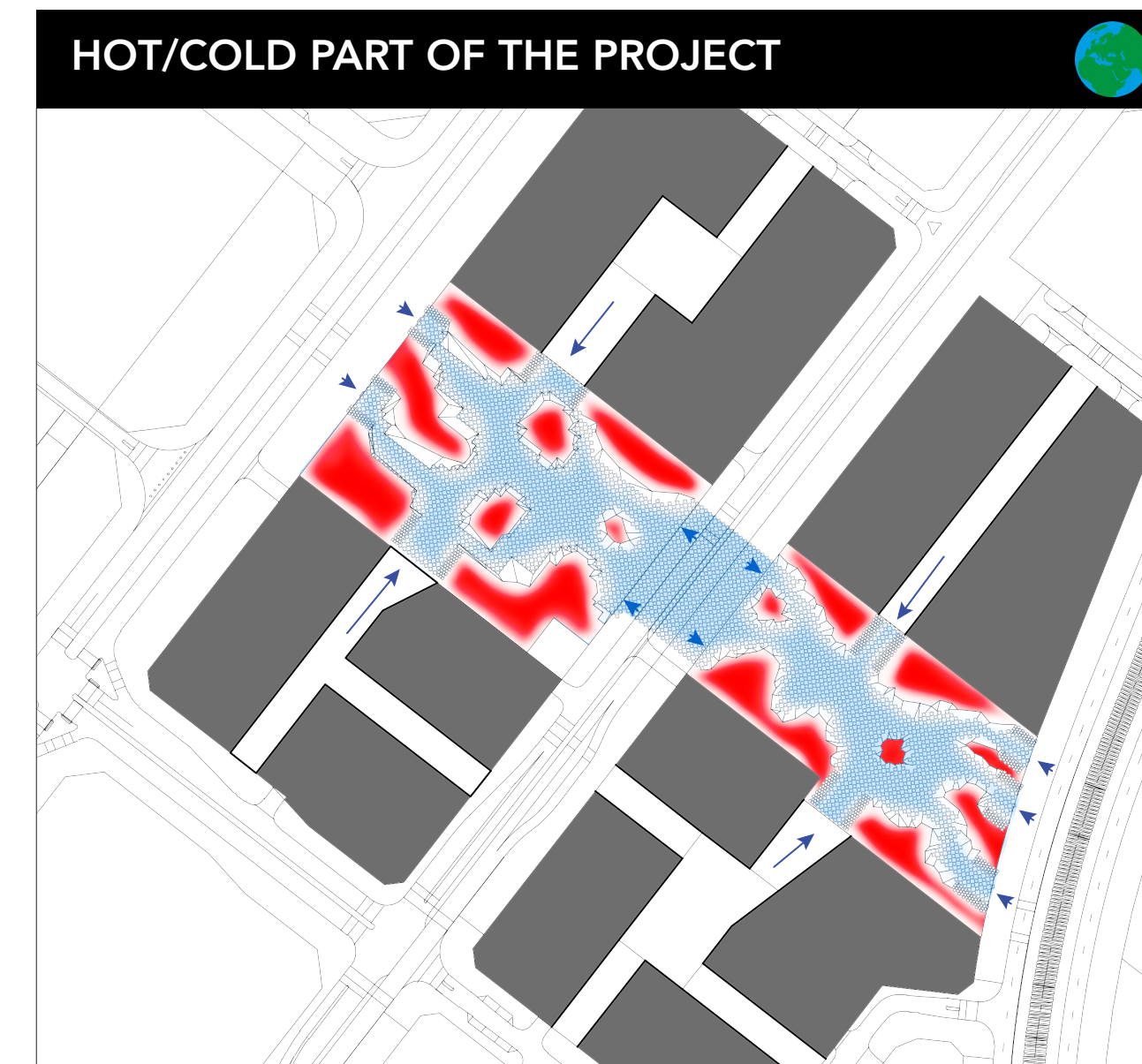
The oasis modules are placed considering future real estate projects for the city of Masdar. The idea is to **create pedestrian connections** between different buildings through the Oasis.



The many plants and species living in each unit can also become an **energy source**, thanks to the microbial electrolysis cells placed in the dirt. This System produce also **Hydrogen** for vehicles



Harvesting fog sails are settled in strategic spots to **retain wind and fog water**.



The oasis modules are providing **shelter** from the sun, and a cooler space for pedestrian to walk through, connecting several buildings.



The Oasis modules, and their **aboveground planting**, create a welcoming microclimate for birds and insects to settle in and develop.

