**Solar Pavilion**

The fundamental idea creates a similitude between the tree and the photosynthesis. Every pavilion remembers a tree and the intake of Solar energy is similar to nature's photosynthesis process. In a simple way this is the shceme of our proyect.

We propone to continue the layout of the city of Masdar, creating a green, lineal park that has his own vector of multiple uses that function as an environmental axis (palm tree park with xenophile vegetation) the circulation flow of this vector takes on different characteristics depending of the circumstances, it can be an area to walk in wood or a simple line in the floor made with LED painting, across the street. It can also take the form of an aqueduct and transfer rain water that was taken from the modules (Solar pavilions). Inside this park will be a series of six (6) pavilions to take in Solar energy, each pavilion has a diameter of 28 meters and an area of 3.786 m2.

The modules (pavilions) are artistic installations, with a multipurpose space for the community, a Solar energy fountain, a micro-weather creation system. At night the modules transform into urban lights. We estimate the use of photovoltaic film and LED technology to transform the Solar energy into electricity to generate an anual capacity of 1000 MWh.

The materials (galvanized steel, concrete, photovoltaic film, LED) for the pavilions and the use of wood, grass and local vegetation in the lineal park, plus the modest scale of the construction and it's dimensions does not generate a big impact in the surroundings.

The idea of the modules is to plant Solar trees in the middle of the city.