



Energy production

Since Masdar is a very hot place dominated by sunshine the pavilions use only technologies for electricity production which are harnessing energy from the sun. Two methods, a strongly technological and a much more natural one with lots of environmental benefits meet for energy production and are creating a unique atmosphere together. These are thinfilm solar cells and photobioreactors using microalgae, both technologies are built on photovoltaism. Solar cells are generating a much larger amount of electricity which can be connected to the electrical grid of the city. Algae using the wonderful natural process of photosynthesis produce only a small amount of energy compared to PV cells which is enough for the LED lighting and the ventilation system of the pavilions but they have many beneficial environmental qualities.

