



## Environmental Impact Statement

From the perspective of power generation, this land art project can be considered as a low carbon emission project, due to the use of clean technologies such as: solar towers of convective air, air turbines and photovoltaic cells that pose an active technology system that manages not to produce any type of pollution that affects the environment. In addition, a passive technology is present at the project. This emerges, as a result of using natural resources with greater presence and capacity on the site: sun, wind and soil.

The art project evokes the use of resources and their integration with the context, so the choice was made to use natural materials and reuse that are not only found, but also produced sustainably on the site.

The added value of the project is the use of mud bricks that not only refer to the history and culture of the United Arab Emirates, but show respect for the environment and reflect the principle of sustainability on which Masdar is built. This type of material also shows economic and environmental characteristics of sustainable production. Bearing in mind that the prime material of this form of construction is the soil, we can also understand it as being a product of low economic cost since it is commonly found in the surrounding nature of the space to be built, which would reduce the final production cost and the impact of carbon footprint by transportation.

Even for steel used in the main structure of the solar tower, the use of waste and recycled material is contemplated. In this way, the carbon footprint impact is reduced due to the production of this material.

