LAGI 2019

Masdar City, Abu Dhabi

***Written Description***

**Technology Used**

For this proposal the main ecological benefit are photovoltaic panels installed on roofs, and facades of the new Artwork.

Other than that, we were planning to include all array of ecological technologies like geothermal, rainwater collecting, trash recycling, wind catching for natural cooling and also power producing etc.

**Estimate of the nameplate capacity (Kv peak)**

Peak capacity would be max 200kvA.

**Annual kWh expected to be generated**

In a ball park, around of 1.0 mWh annually.

**Primary Materials Used**

Primary materials are concrete prefabricated foundations, columns.

Roof construction would be laminated wood with high-tech glass.

Paving would be made of natural local products as well as lush greenery to be part of the future separate landscaping design.

**Conceptual Cost Estimate**

The whole idea was to achieve a piece of serenity in a busy urban city as Masdar is.

So to do that, we followed the idea to reach heights of stunningly beauty of old naturally grown Oases around the Middle East area.

So to do that, we were thinking of 10 million dollars cost for the whole thing at the high end.

With a smart management it always can go more affordable.

**End**

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***Environmental Impact Statement***

Our team’s idea was, of course, to lower ecological impact to the core. The whole construction would be pre-built at a convenient nearby local site and would be brought to the Artwork site in a most economical and ecological way.

The idea to disturb nearby city as little as possible in terms of noise, trash, transportations cost, the whole financial cost and so on and so on.