

The entire experience of the Illuminiscent has been designed in order to stimulate a sense of positivity among the visitors about renewable energy, low-carbon footprint and ecological balance, while creating an iconic attraction for the Masdar City. The project is power packed with two distinct technologies for clean energy genration.

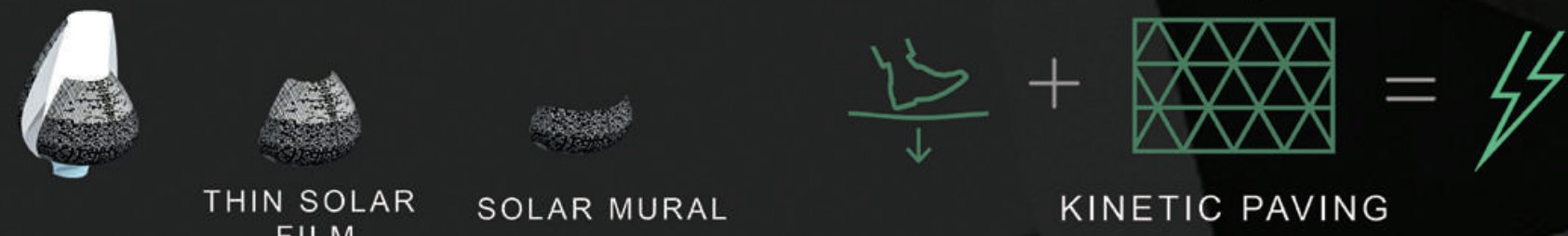
The specification are as follows-

CAPACITY 1177 kW

GENERATION

SOLAR-1808 MWh Annually

KINETIC-529 MWh Annually



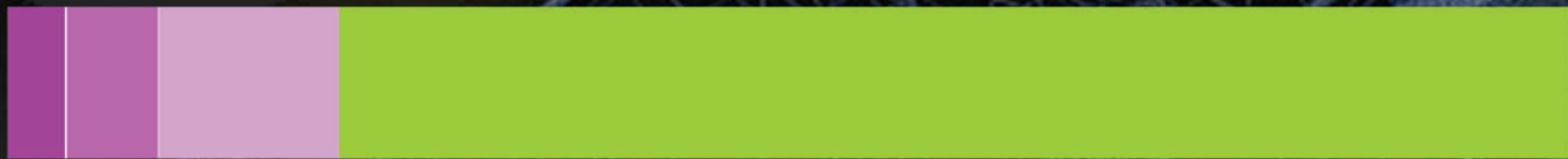
CONSUMPTION (ON SITE)

Concert area- 5200 kWh Annually
(considering 260 days of a year)

Electric car charge- 10840 kWh Annually
(This is considering 33 kW for 9 hours a day)

Landscape Lighting- 13140 kWh Annually
(Considering 16.8 kWh per day)

Considering equal amount of consumption for miscellaneous loads i.e 126745kWh the total consumption for on site activities upto 253490 kWh annually.

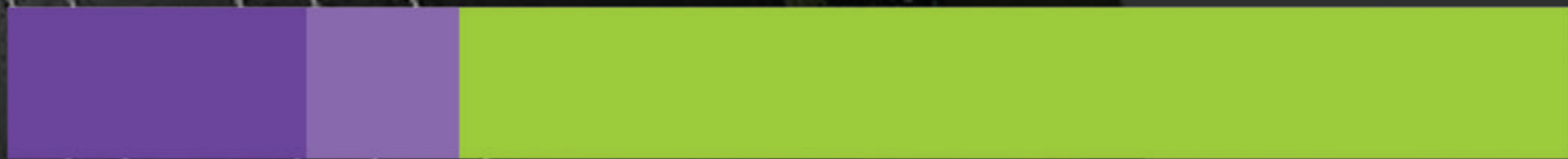


CONSUMPTION (OFF SITE)

Street lighting- 70MWh Annually
(For stretch of 1 km for 30 m wide road)

One home- 16 MWh Annually

Hence, the surplus energy can power 125 homes per year
(Considering 45 kWh of requirment for one house oer day)



“When the light returns to the source, it takes nothing of what it has illuminated” - Rumi

