

Bamboo Solar Module Annual Energy Output of 1406 Modules : 1,435,526 kWh

Technologies : DSSC
 Bamboo is one of the most desirable materials because of its low carbon footprint. Hence, is utilized in many of the modules, public platforms, ramps, solar structures all over the site. Generates energy by solar and serves the secondary purpose of rainwater collection. The module is mostly used on top of open farming area created in the site.

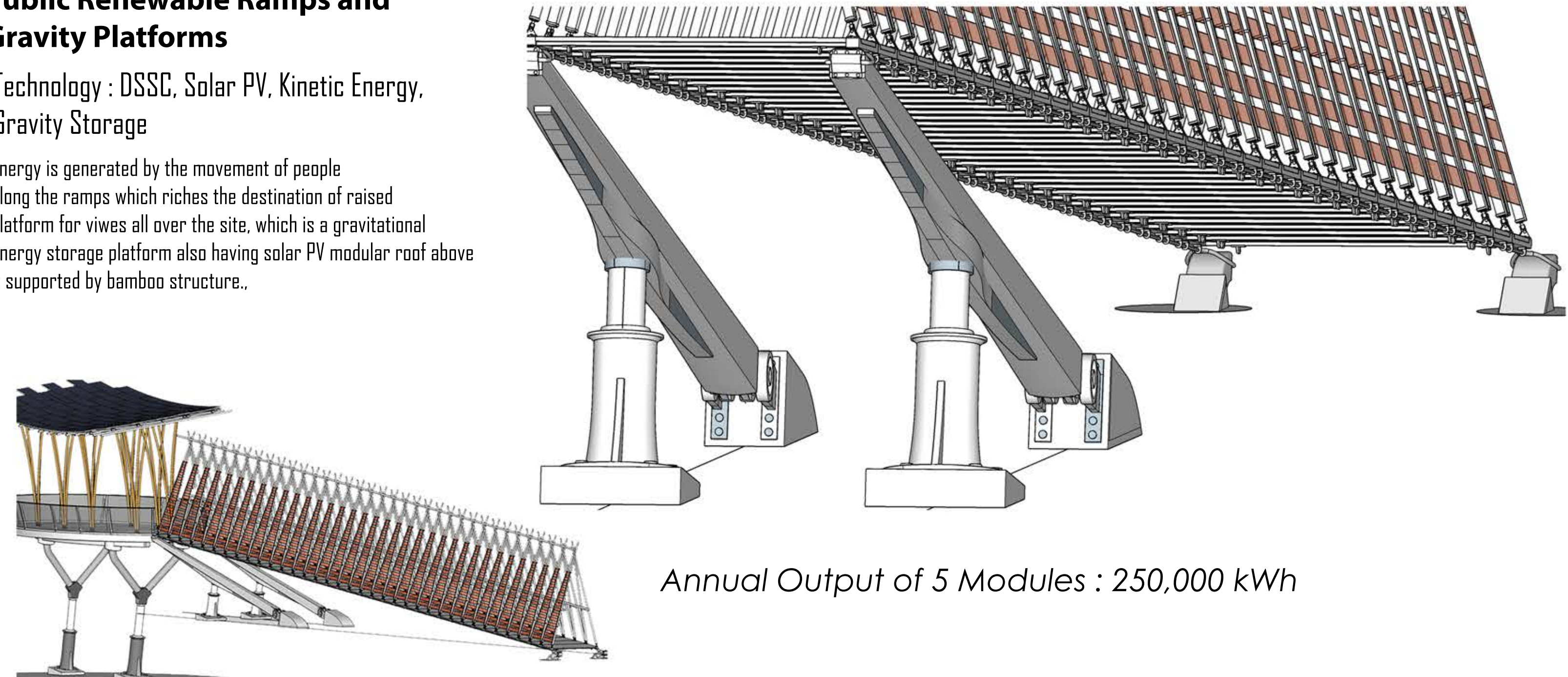


Agrivoltaics
 The farming is created along the periphery of the site connected more with the residential area to give a positive message of a sustainable way of life. The farming area has Public Squares created in between them and the farming area is combined with Solar Bamboo and steel modules.



Public Renewable Ramps and Gravity Platforms

Technology : DSSC, Solar PV, Kinetic Energy, Gravity Storage
 Energy is generated by the movement of people along the ramps which reaches the destination of raised platform for views all over the site, which is a gravitational energy storage platform also having solar PV modular roof above it supported by bamboo structure..



Annual Output of 5 Modules : 250,000 kWh

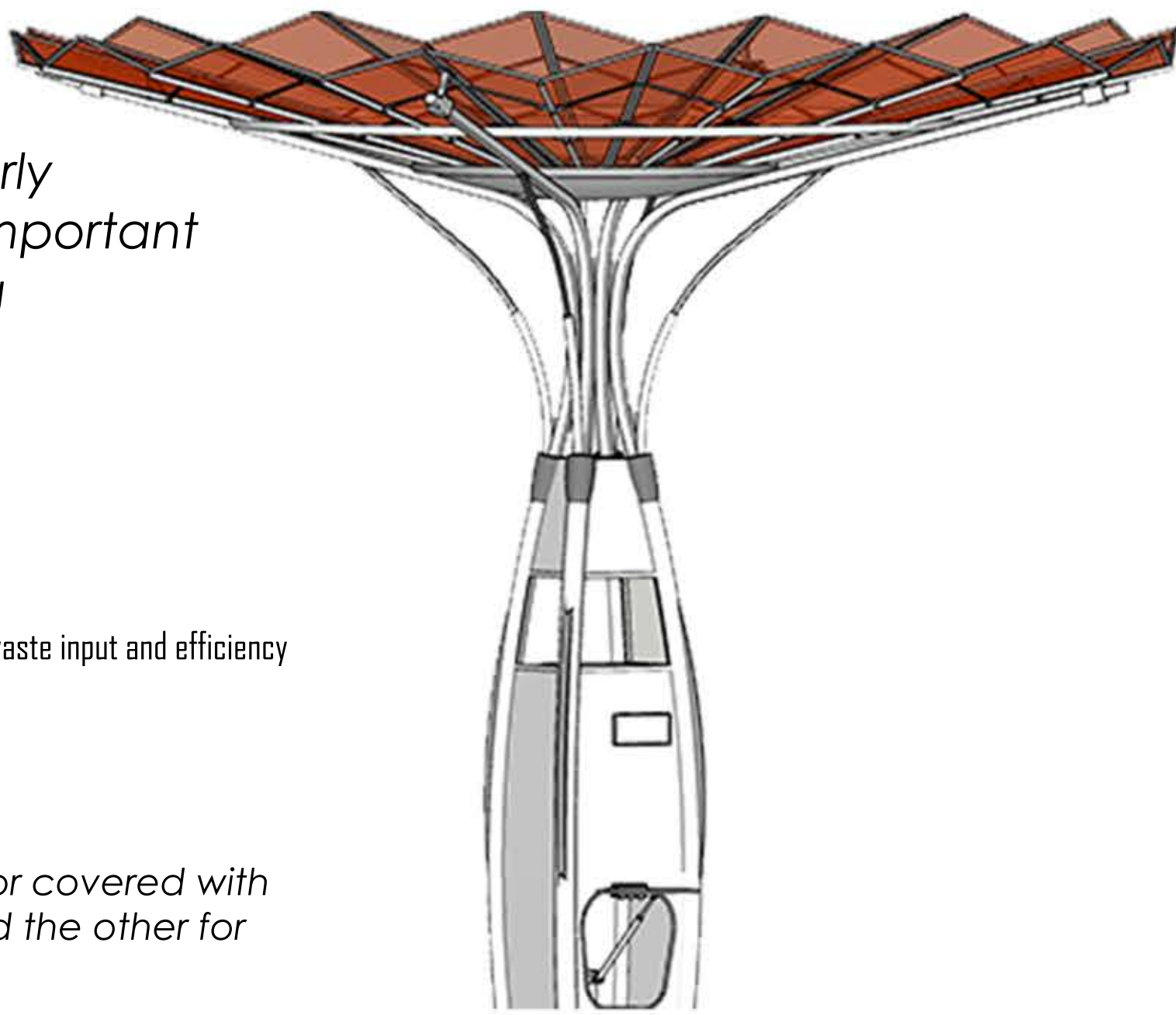
Waste to Energy

Meaning Behind : Creating a public activity in the park for people to place plastic, paper and other waste regularly in the one of the several solar dustbin modules placed in important places of the park as a symbolic gesture of it then creating renewable energy

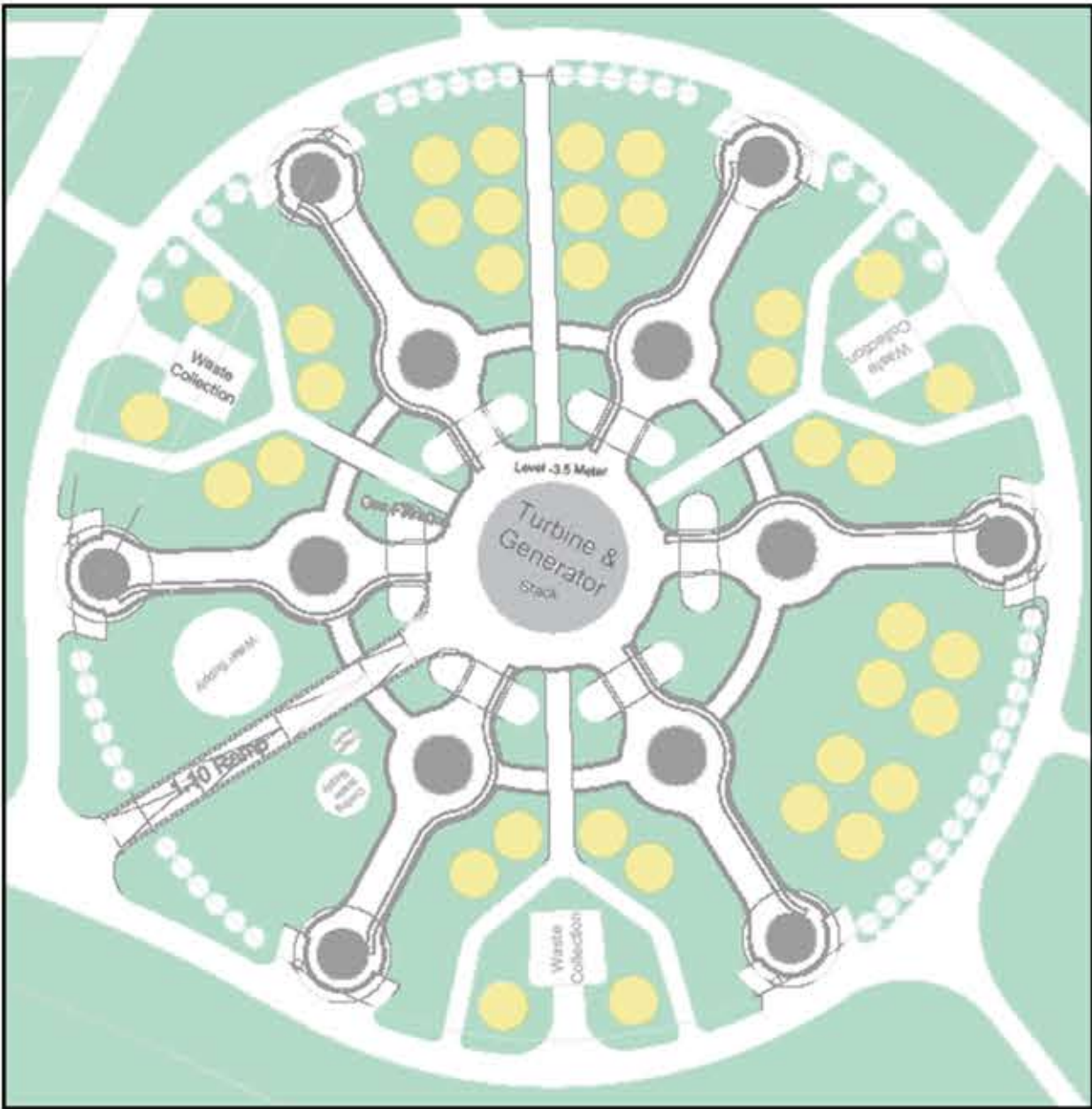
Technologies : DSSC, Waste to Energy Gasification Process

Waste to Energy Gasification Plant (with Capacity of 400 Ton Waste to energy process at a given time)
 Waste Storage Capacity(Plant Storage + Public Waste bin Modules) = approx. 3000 Ton
 One ton waste to energy by gasification can produce upto 1000 kWh. Actual energy production depends upon real time waste input and efficiency and scale limitations.
 Supposing 50 ton waste is Gasified daily,
 Annual Energy Production =18,250,000 kWh

All process work out in six lanes directed at center to the turbine and generator covered with Solar DSSCs on top. Two levels are created: One for public at ground level and the other for working at 3.5 Meter Below.



Solar Dustbin Module



Solar Wind Belts and Thermal

Technologies : DSSC, Wind Kinetic Energy, Solar Thermal
 Solar Belts along with solar energy generate energy as these belts move to and fro from wind. Accompanied with thermal tubes and secondary function of rainwater collection.

Annual Energy Output of 451 Modules : 4,200,000 kWh

