

WAVE CITY

Masdar City is a greenprint of the future sustainable cities around the world. It's a rapidly growing sustainable urban community with futuristic architecture that relies on renewable source of energy. The concept of Wave City is to amalgamate these two prominent aspects of Masdar City. The aim is to design a visually futuristic and free flowing art installation that incorporate highly efficient yet flexible renewable sources of energy that are easy to install into different structural forms. The concept of wave as a design form resonates with free flowing energy that surrounds us as well as emerges to be futuristic in visuals. Multipurpose spaces are created underneath the wave structures that can be used for various purposes such as art exhibition, social gathering on events etc.



ANNUAL CAPACITY= 1513 MW HR



SPHELAR SOLAR PANELS
Efficiency = 20%
Total Area = 12,320 m2
Annual capacity = 1,425 Mw hr



PAVEGEN V3 KINETIC PAVEMENT
Total Area = 5000 m2
Energy generated = 8 watt/ footfall
Annual Capacity= 87.6 Mw hr