**Dune Field - Wind Harvesting Park**

- 27,912 Vertical Axis Micro Wind Turbines
- Annual Capacity: 1.222 MWh

**Solar Roof CIGS Modules** - 4.703 sqm
- Annual Capacity: 2.258 MWh

**Combined Pavement** - 4.130 sqm
- Annual Capacity: 1.612 MWh

**Total Annual Capacity**: 5.330 MWh

Powers 533 inefficient houses or 888 efficient houses.

After deducting 62 MWh of energy to power LED street lighting.

**Design Principles**

- Wind is harnessed downwards to optimize the harvest. The dunes provide natural light & ventilation to the basement level.
- The 3D shapes retract to provide a flat ground surface prone for collective activities, but also to protect the system from extreme weather.
- The promenade pavements combine solar technologies to generate energy on either side of triangular solar tiles over electro-magnetic generators.

**Energy Generation**

- **New Building**
- **Urban Sculpture**
- **The New Arch**
- **The Stairs**
- **Wind Harvesting Dunes**
  - 534 units equipped with a set of micro wind turbines oriented towards the prevailing winds.
  - The dunes provide natural light & ventilation to the basement level.
  - The 3D shapes retract to provide a flat ground surface prone for collective activities, but also to protect the system from extreme weather.
  - The promenade pavements combine solar technologies to generate energy on either side of triangular solar tiles over electro-magnetic generators.