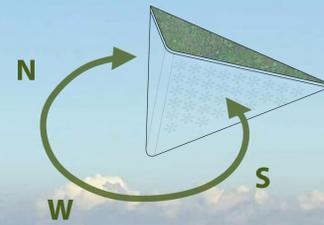
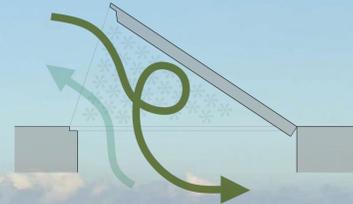


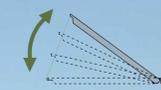
Design Principles



Wind Harvesting *Dunes* - 534 units equipped with a set of micro wind turbines oriented towards the prevailing winds.



Wind is funneled 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 pavement combines two technologies to generate energy: an overlay of triangular solar tiles over electro-magnetic generators.



 *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

The Slopes (unaltered)

Urban Sculpture

New Building

The New Arch

Energy Generation
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

 Combined Pavement - 4,130 sqm
Solar: 927 MWh + Piezoelectric: 685 MWh
Annual Capacity: 1,612 MWh

 Solar Facade CIGS Modules - 1,140 sqm
Annual Capacity: 300 MWh