



*Public space and social interaction could teach how we can live in a responsible way!*

The symbolic and spiritual representation of the totem added to the innate action of breathing of all living beings, personifies the soul of this project. The simple act of breathing rises to a higher category when this action leads to a purifying result.

This project aims to generate a reflection scenario for the community and its visitors through a congregation space where the symbology and the analogy of the inherent actions of life make us think about the importance of taking care of our natural environment and present us the need to live in an equitable and balanced way with the planet. "Breathing Totems Square" is presented as a new urban scenario that invites to the social interaction of the community through a space of entertainment and learning for the citizens. This space has the capacity to adapt itself to the changing conditions of the environment, generating a comfortable micro-environment for the visitors throughout the year. The ability of the system to understand the fluctuating characteristics in the natural environment makes it capable to adapt itself in an efficient way so that the renewable resources of the environment can be used to generate electricity

Wind power energy production  
 Vertical axis turbine with 2.50mts diameter = 3703kWh x 40 turbines = 148120kWh (each totem)  
 148120kWh x 3 totems = 444360kWh  
 Annual Capacity = 444 MWh

Solar Thermal Chimney energy production  
 Totem turbines (air suction) = 120000kWh (each totem)  
 120000kWh x 3 totems = 360000kWh  
 Annual Capacity = 360 MWh

Total amount of energy production annual approximately: 804 MWh + Air purification

Each of the totems are maximum 100 meters high with a base that does not exceed the 20 meters. The protective membrane of the semi-translucent square allows visitors inside to see the nature of the surrounding park while "protecting" them of the external environmental conditions according to the time of year. Three metallic needles of no more than 2.50m of diameter and 100 meters of highness (the highest), extend to capture the winds and channel the warm air that comes from the inside of the spheres. The steel structure and the totems surface in aluminum magnifies the conductivity of the caloric energy. Both structures, because of the materials, are low weight easy to build and dismantle.