

This concept addresses the requirement of an iconic landmark. It pays homage to the old electric light tower of San Jose. It is a bold structure designed to cause an imposing impression. It works purely on Solar energy.

The **ORB** is the main attraction of this concept. It is a large sphere, 9 feet in diameter and levitating 54 feet above ground. It has a considerably small yet heavy magnet at its centre and the rest is composed of a light weight aerogel material that's solid, transparent/translucent and must allow scattering of any light focused onto it. This scattering effect seeps throughout the material and uniformly disperses light all over the sphere. Result is a large levitating and glowing sphere put there to leave viewers awestruck from both ground and air alike.

The **PLATFORM** is an inversely-conical ground structure, 33 feet in diameter and standing 15 feet in height. It sits exactly below the ORB and houses a large permanent magnet to keep the ORB levitating by means of magnetic repulsion force. The platform is to have magnetic shielding material on its sides to prevent magnetic interference of the large and powerful magnet it houses. This structure is to serve as a public interaction/activity space also.

The **REFLECTOR** units are circular columns standing 18 feet in height. Each unit has a concave reflecting glass on the top whose focal point lies at the centre of the ORB. A concave mirror forms the image of an infinitely far object at its focal point. In this design, the reflected image of the sun is to be formed on the ORB. The glass on the concave surface needs to passthrough heat bearing Infrared radiation and reflect only visible spectrum of light. Each reflector unit shall have a battery, solar charging capability and an artificial light source to focus light onto the orb in the absence of sunlight and throughout the night. Eleven of these units are proposed to be strategically placed across various parts of the site to cope with the changing direction of sunlight.