

# Silicon drops

Understanding the clients' desire to activate Arena green park, we imitated the process of chemical activation. For a chemist to make chemical activations, they mix two or more liquids by adding drops of one liquid into the other which eventually brings about activation of a chemical solution. To achieve our goal, we introduced whimsical drops which with their body dynamics activate the park.

To keep the park busy and lively, it will be an advertising hub for the great innovation firms and other companies in Silicon Valley. This will be achieved by integrating LED display technology on the envelopes of each of the seven silicon drops.

The idea of advertising screens will generate adequate income to run and maintain the park on top of the different day to day activities taking place on the park.

Structural steel members are introduced to give the drops structural strength and stability. Although, by virtue of their composition, they (structural members) mimic musical strings that give the drops the possibility to produce their own psychological music and also dance to it. This brings a vibrant feel to the park. The structural members are also integrated with multi-colored LED recessed lights that create a beautifully lit night in the park.

Administrative offices for the park and a technology library will be put in the west-side sculpture which will attract a variety of people to spend time in the park.

The following net-zero energy design principles were integrated in the design:

- Super-insulated curtain walling panels and doors were used.
- Insulated concrete forms were used in the flooring of the office and technology library.
- Solar energy generation technology is integrated in the structural steel members.
- LED lighting has been used for lighting the park structures.

Responding to the aviation guidelines in the brief, we used multi-colored LED lights on the park structures to differentiate them from aviation lights. This has been backed up by the advertising screens on the drops that operate all day and night. This will clearly differentiate the park from the rest of the lighting around it. No lights are designed to face up-wards.

The lights also emphasize the iconic landmarks presence around Silicon Valley during day, night and at a distance.

Five skaters (including the reflecting pool, pillars and metal stands), weaver's gift, San Jose Vietnam memorial, tributaries monument and Guadalupe river trail were not tampered with in the design proposal.