

## **THE SAN JOSE LIGHT BRIDGE**

The San Jose Light Bridge depicts the technological crossing from the original San Jose Light Tower, across the history of invention, to the Valley's current status as a global center of innovation, and home for future dreamers.

Inspired by Nikola Tesla's wireless energy transfer coils, it celebrates bold innovation with current and future technologies, and old inventions reimaged.

At 200-foot high, hundreds of people can climb, ride, and engage with the two towers and the bridge without feeling crowded; while experiencing an innovative transportation system.

### **The Two Towers and Light Bridge: *day and night***

As an icon, each tower mirrors the original Tesla coil; while the bridge mirrors the ionized electron flow between the two. Functionally, each of the towers, have a separate but complimentary purpose.

- The west tower serves as a gathering/viewing area, with food and beverage services.
- The east tower will be a rotating gallery, shop, and special events room.

The view from the structures includes downtown SJ, the Guadalupe basin, and greater Silicon Valley — all without affecting the ecosystem of the park.

### **The Towers and Light Bridge: *at night***

Everything comes alive at night with controllable, interactive, people-oriented, and environmentally sensitive light shows.

Along with several default lighting sequences, there are holiday, sports-themed, and sequences that respond to the presence and movement of people.

Downlighting on the underside of the bridge can light Arena Green for community gatherings. The clear bridge portals create the feeling of being suspended high in the air by a beam of light.

### **The “Monorail” and unique net zero design**

Also bridging the old and new is a lighter-than-air monorail system employing one of the most innovative forms of transportation in the world: solar airships. The monorail leverages physics and ingenuity to function both as a solar platform and a people mover.

The lighter-than-air monorail is created by solar airships running on a tether. This concept:

- ▶ Precludes the structural requirements of heavy rail tracks,
- ▶ Ensures that the airships won't affect the airspace above
- ▶ Provides net-zero towers and transportation system, employing solar energy to operate the airship; while also dispatching solar power to the tower battery infrastructure when docked.

The towers, bridge and airships create one, iconic, sense of place. When constructed it will be enjoyed by millions, seen for miles, and will be like no other place on earth.