

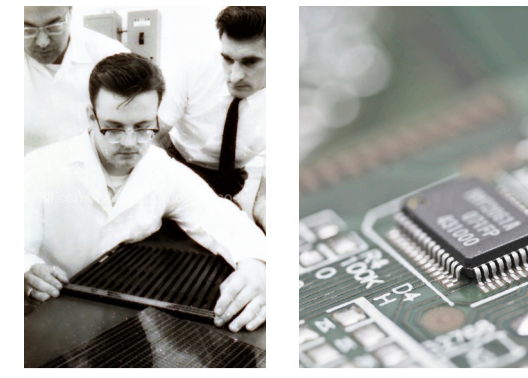


San Jose with 200 years of history

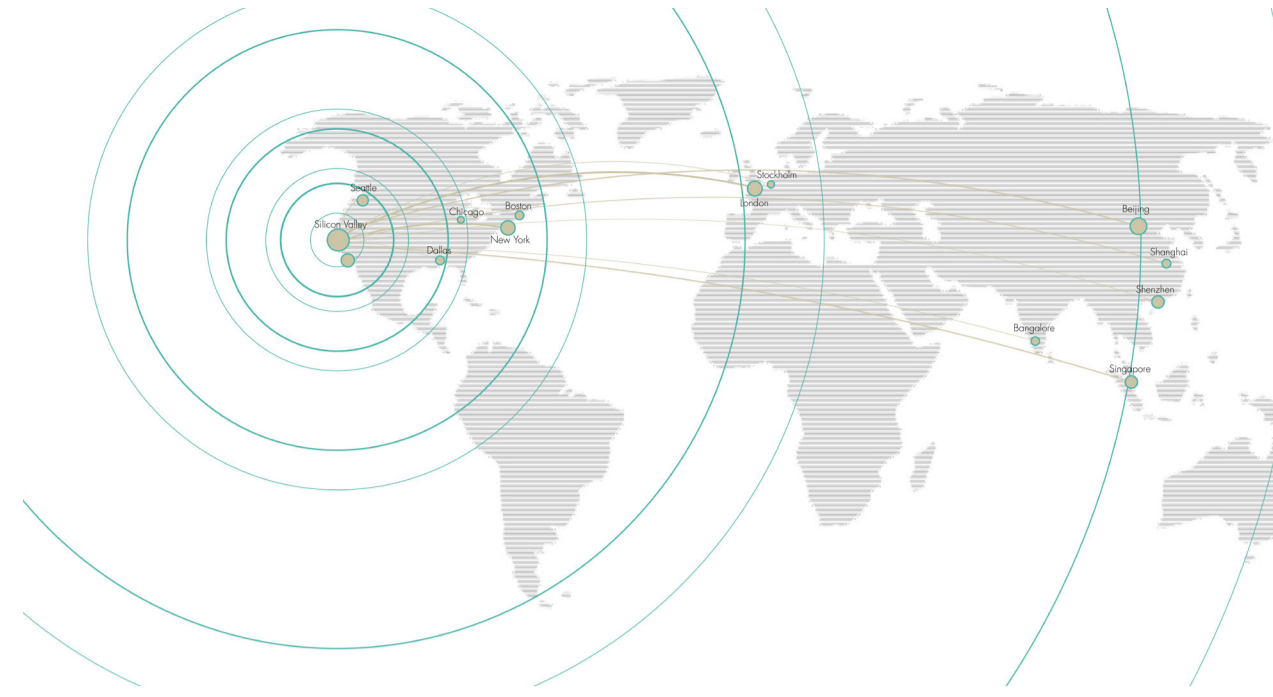
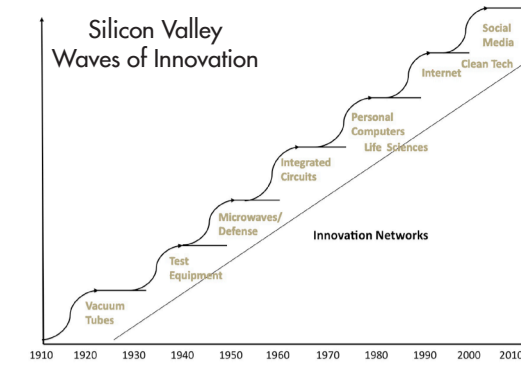
History

"San Jose, a city of one million people, is a place where diversity is commonplace and technology is hardwired into the community. This is Shark territory. This is the land of Apple. This is the Silicon Valley."
— Kimberly Johnson

It is a region located in the southern part of the San Francisco Bay area that serves as a global center for high technology, innovation, venture capital, and social media. Two centuries ago, this place was a vast land of uncharted terrain before technology boom. No matter where we are, when we mention technology now, the only place we come up with is Silicon Valley. However, when you drive on highway in San Jose, you would have no clue where you are. The city lacks any distinction and Silicon Valley needs its own universally recognized landmark, something that can symbolize its influence and power.



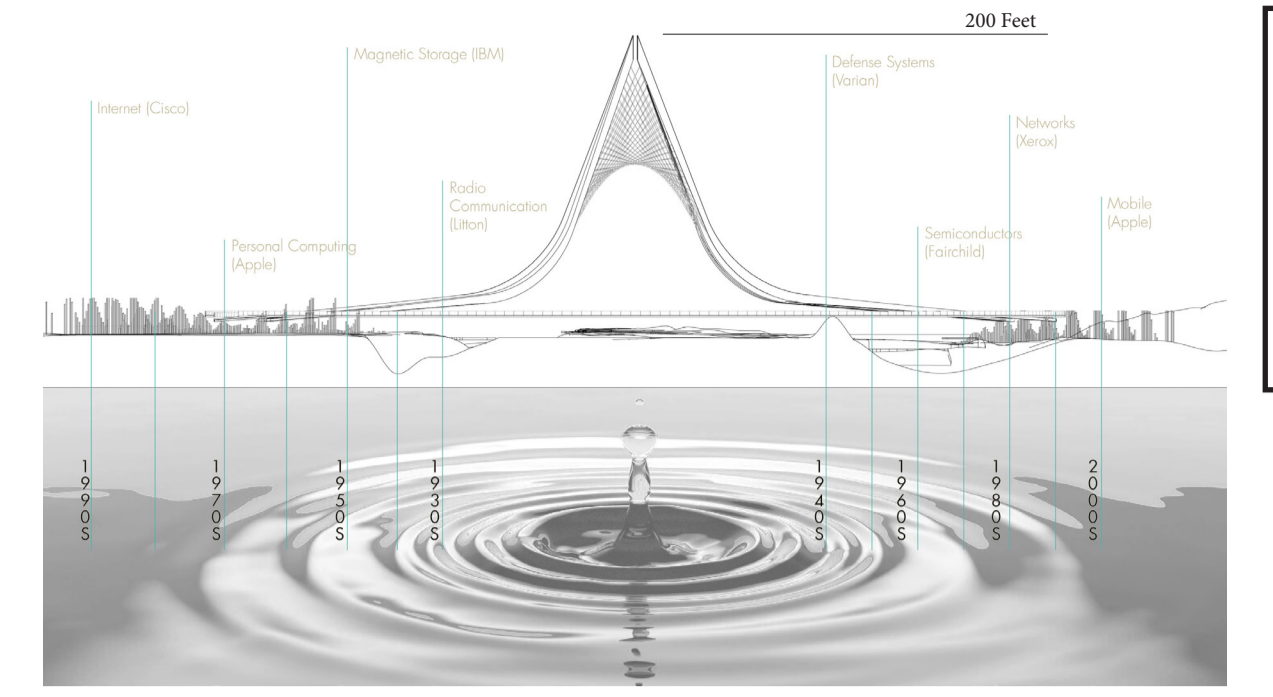
The word "silicon" in the name originally referred to the large number of innovators and manufacturers in the region specializing in silicon-based MOS transistors and integrated circuit chips. Although being lack of distinction, the influence of Silicon Valley on the world cannot be ignored. Apps like Facetime make it easier for everybody to be connected with others.



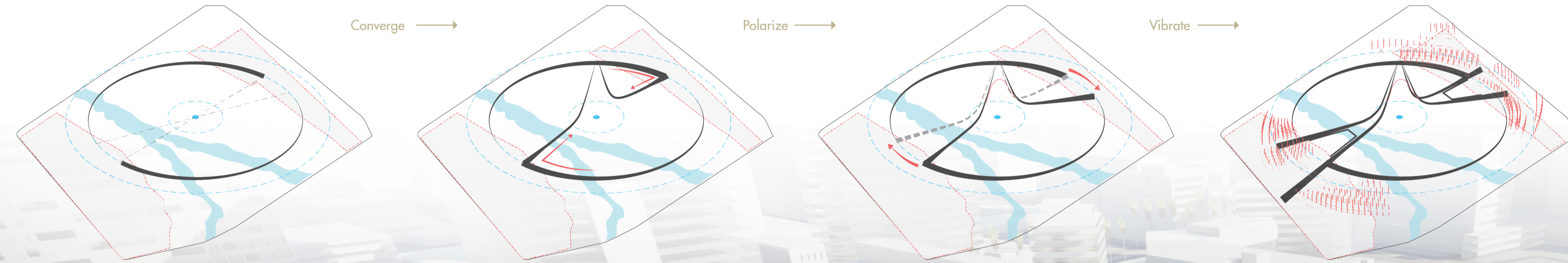
Silicon Valley being the center of Technological Revolution

Water Droplet

It is such a seemingly ordinary place that has influenced the entire world with the help of technology and innovation. Like a drop of water fell on the calm water, Silicon Valley sowed a seed for the world that nurtured the technological revolution. A circle of ripples represents the series of innovations Silicon Valley brought to the world. From the Radio Communication innovated by Liltan to the Networks developed by IBM to the Personal Computing innovated by Apple. No matter where you are in the world, you will be affected by this drop of water. This structure landed gently in Silicon Valley like water droplets, and the ripples it caused were bound to inspire the entire region and promote the further development of the global technological revolution.



Innovation timeline of Silicon Valley

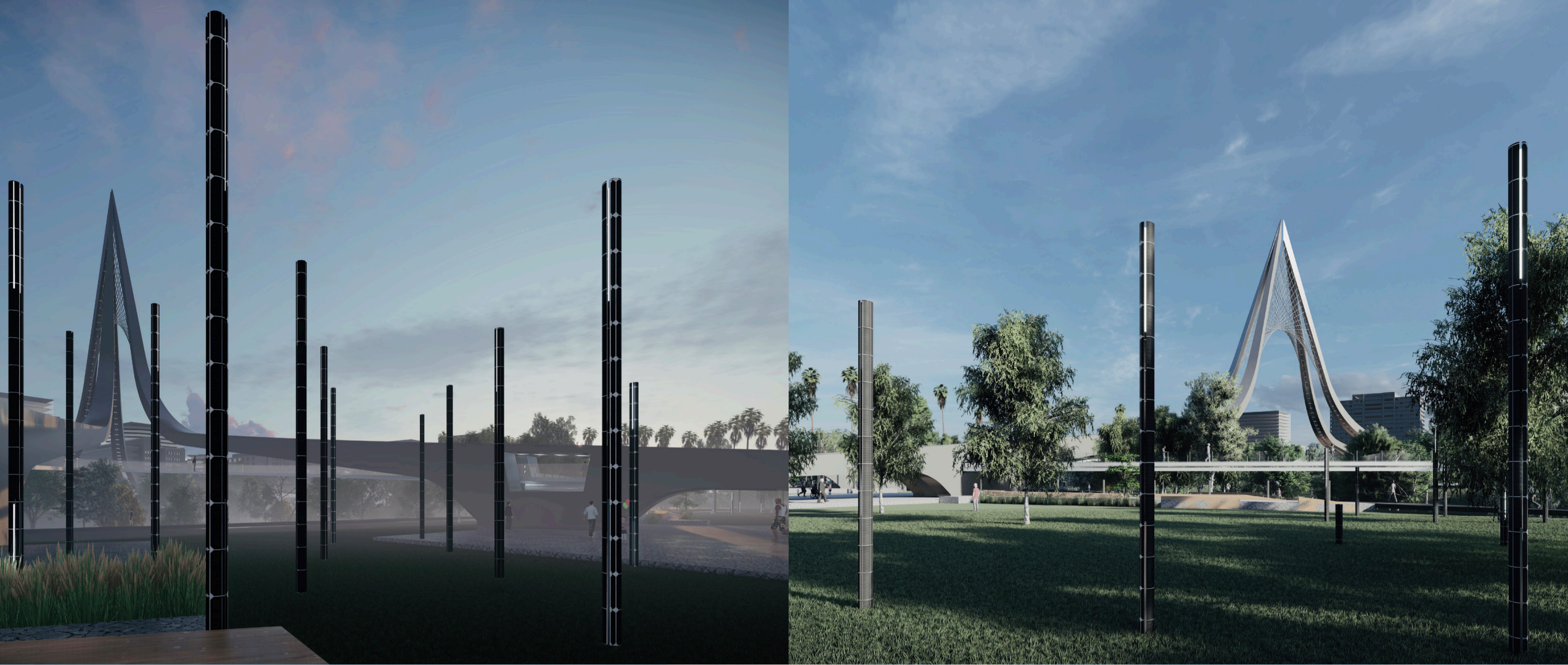


ConVerge

Imagine the ripples spreading out from a falling droplet in a pond, creating a bouncing peak at the drop point with ever-spreading wave around. The wonderful power hidden in this process is a metaphor of the role that Silicon Valley acts as in our world. We try to both stand in the past and future to envision this important landmark for today's world. We believe concise and classic geometry would convey the spirit of Silicon Valley and we try to express the power of "converging", "vibrating" and "spreading" by a holistic structure above this area.

First, Four straight bands start from the site and converge into a triangle shape tower above the confluence region, also, a Net-shape structure weaves the four band tips together while forms a sphere void contour right below the tower tip. Second, a circle loop reunion the whole site floating the parcels divided by the rivers, which creates pedestrian to form the connectivity between different park, while, there are two overhanging observing platform on both side. Third, on the ground level, there are multiple wave-shape landscape along with solar panel column matrix to organize different area which enhance engagement and encourage public activities.

In this idea, a new landmark would arise in the center of San Jose showing the human's will and hope in this age.

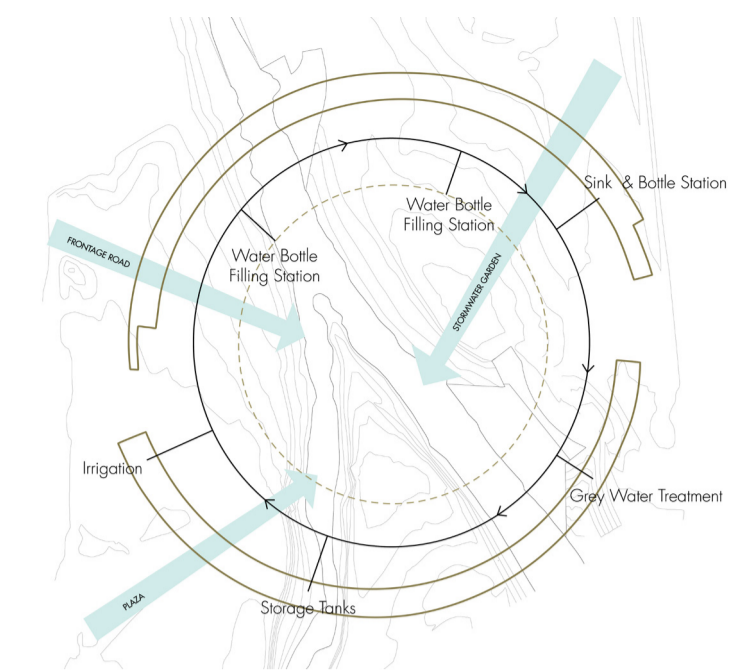
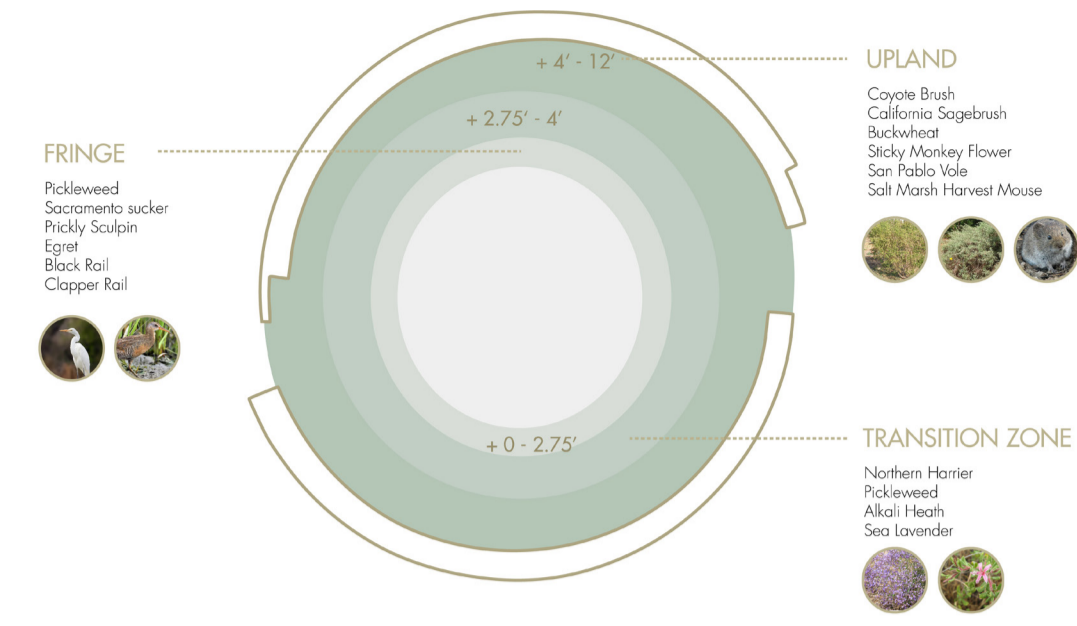


Ecology

Aware of the value of the environment, our proposal has chosen to optimize the use of the natural resource and minimize the impact on the ecosystems. To that end, it has a number of commitments, including:

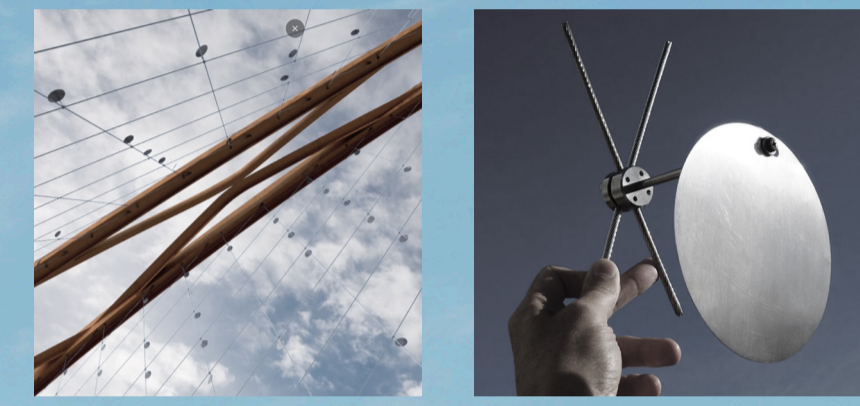
- Respect for the legal requirements, and for the terms of the concessions and permits.
- Minimizing the impact on the migratory airspace and protecting the birds from colliding with the high structure in our site.
- Ensuring that operations of our project are carried out in a way that limits as far as possible the impacts on watercourses and their ecosystems and preventing pollution.
- Minimizing the impact on the landscape caused by the carrying out of civil engineering works.
- Making a full use of the solar energy in order to become a Zero-emission project
- Maintaining a constructive dialogue with partners, the public and communities affected by the facilities.

Ecosystem

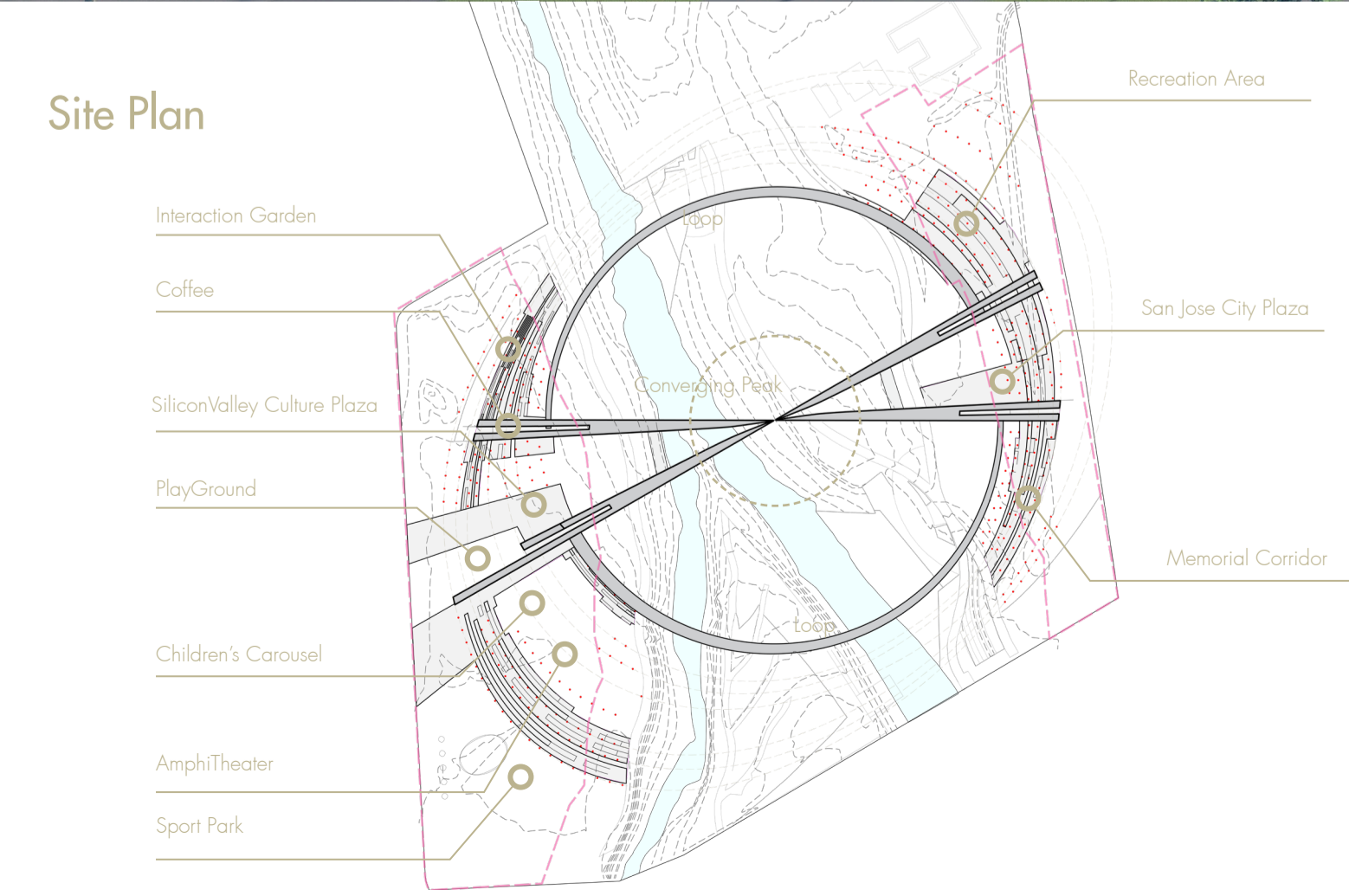


Water Management System

In order to make it more ecological, we have implemented an efficient water management system. It consists of two major parts: Grey water system and Stormwater system. The Grey water system has several steps: Water Bottle Filling Station, Sink & Bottle Station, Grey Water system, Storage tanks, Irrigation. Those steps are distributed along the ring floating on the site. Besides, Stormwater management system is also of vital significance. The stormwater from the frontage road, plaza will meet in the river.



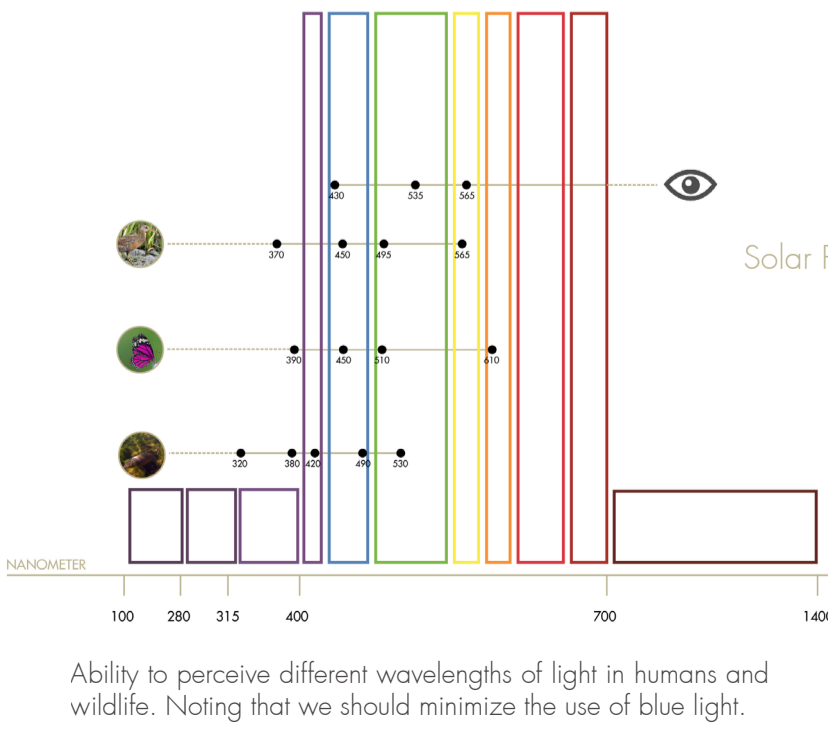
Cables are used to form a looming net which not only connect four structures together but also create a special light effect. However, this kind of net would be tremendously harmful to the birds. Especially for our site which is under migratory airspace, a large number of birds will fly over our project. If there are no signals to notify these birds, they will collide with these cables. We propose to have this kind of stainless steel disks fixed to these cable nets. The light reflected by these disks can make sure the safety of birds.



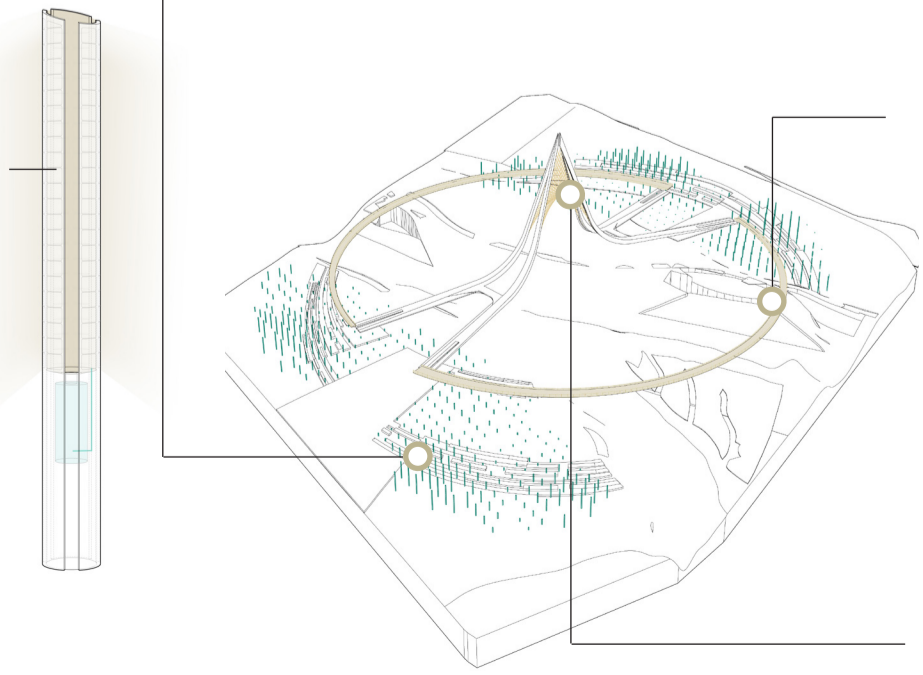
Lighting

Located in the riparian corridor habitat, the impact of artificial light on wildlife must be taken into consideration. Because animals perceive light differently from humans. Most of them are sensitive to ultraviolet/violet/blue light. Besides, the steady sources of light that project upwards into airspace which will trap and confuse birds. Our project incorporate the following design principles of lighting design:

- Start with natural darkness and only add light for specific purposes
- Use adaptive light controls to manage light timing, intensity and color
- Light only the object or area intended - keep lights close to the ground, directed and shielded to avoid light spill.
- Use the lowest intensity lighting appropriate for the task.
- Use non-reflective, dark-colored surfaces.
- Use lights with reduced or filtered blue, violet and ultraviolet wavelengths.



Solar Lighting



Concealed Linear LED



LED Cable Net

