

The futuristic metropolis, San Jose is a magnet for smart talent passionately obsessed with technology. Joining enterprise with nature, **ORBIT** celebrates the pinnacle of Silicon Valley's achievements and victories of the world's ingenious minds. This new civic asset and visitor attraction is inspired by *people and technology*.

As the world's innovation epicenter, San Jose is home to people of all backgrounds and origins colliding to collaborate, ideate, and imagine a propelling society towards a brighter future. Powered by ideas and human potential, the **ORBIT** is the union of discovery and expression, pioneering spirit and progress.

An iconic landmark, destination, and art sculpture, **ORBIT** forms a ubiquitous symbol in the San Jose skyline. A network of pedestrian walks is suspended above the existing Arena Green Park and confluence of Los Gatos Creek and the Guadalupe River. The floating passage is anchored by an elegant visitor and event center to the west and a distinguished promontory lookout to the east. Both buildings connect the **ORBIT** with surrounding parks allowing for vertical circulation, dynamic programming, and exploration of a growing urban district and the Silicon Valley.

The design concept respects and enhances the park-setting and natural open space network serving as a symbol of *access for all*. The act of "bridging" is an emblematic as well as a pragmatic intervention for an environmentally sensitive site. Both North and South Trusses span the entirety of the riparian corridor setbacks, creating no new structures in this tranquil landscape. The walks hover above the tree canopies allowing visitors to engage visually with flora and fauna and take in panoramic views of the stunning rolling hills beyond.

ORBIT is an innovation in and of itself. Impressive structural spans demonstrate cutting-edge engineering techniques integrating net-zero energy strategies pervasive throughout the design and programming. Piezoelectric sensors which generate energy via applied mechanical stress, are embedded beneath the walking surface of the River and Creek Circuits. The interactive sensors allow users to choreograph daylight and nightlight displays of sprawling LED lights utilizing kinetics and critical mass. Orchestrating unified experience, trusses are wrapped in a discreet photovoltaic fabric, drawing solar power to aid the energy demands of the adjacent visitor and event center, a home to the North California's tech hub. **ORBIT** will ultimately advocate for the integrity of the environment while defining culture through power of technology.