

## The Battery—A Renewable Energy Park for San Jose

### **The World's First Grid-Scale Organic Flow Battery**

Inspired by California's leadership in environmental protection and its commitment to utilizing 50% renewable energy by 2030, The Battery imagines a park in the heart of Silicon Valley featuring the world's first grid-scale Organic Flow Battery. Symbolic of the region's culture of innovation and commitment to the environment, The Battery serves as an illuminated public amenity that celebrates the Valley's advances in renewable energy and offers a practical solution to the state's energy storage deficiencies.

### **An Icon of Energy and Innovation**

California produces significantly more renewable solar and wind energy than it is currently capable of storing, resulting in wasted energy and an intermittent need to rely on fossil fuels to power their grid. The Battery addresses this reality with the world's first Organic Flow Battery, a cleaner, safer and cost-effective water-based organic battery capable of mass energy storage. The park's 200-foot Observation Tower transfers excess renewable energies into liquid storage during daylight hours and at night distributes the energies throughout the city. Raised pathways weave through the park's tree canopy, leading to a spiral staircase and an observation platform that provides both views of the region and helps visitors understand the battery array's operation.

When the San Jose Electric Light Tower was built in 1881, its purpose was to light the center of the city. The Battery progresses that ambition by using otherwise wasted energy to power an estimated 35,000 households in San Jose from sun-down to sun-up. In that sense, The Battery is as much a defining icon for San Jose as it is a monument to a more sustainable future.