

PROJECT STATEMENT

"BRAIN STORM", an innovation monument, is a helical structure with a base of "brain" that creates a visual presence of "brain storm" for embracing the theme of innovation in the advancement of humanity. The "storm" is a spiral "belt" which consists of many "0" and "1" components. A ramp is built in six spiral circles along the inner ring of spiral belt. Some part of the ramp can be designed as "skywalk". The visitors can enjoy the fun of walking the glass walk in the air while viewing Silicon Valley's cityscape.

The monument sits on a garden maze. The overall shape of maze site is like outer contour of "brain slice", and the walls are laid out in the way of "integrated circuit board". This design makes the place meaningful for commemorating the origin of silicon related "integrated circuit" technology development.

A row of "Digi-Trees", covered with many "0"s and "1"s leaves, is planned on a pedestrian street near the south side of the maze. There are two rows of garden benches under the "Digi-Trees", and each is engraved the name of a computer pioneer or inventor for commemorating his/her contributions in the computer science and technology. An alternative design is to create a "walk of fame" along the street. The names of pioneers/inventors and their footprints are molded on the pavement of the street for inspiring visitors, especially the future generation, to inherit and carry forward their spirit of innovation.

Many dynamic and rich lighting effects are realized by manipulating the "0" and "1" LED light fixtures on the "storm" tower and "Digi-Trees". For example, the lights on the "storm" tower can be lit from bottom to top or from top to bottom one by one to generate the spiral light band moving up or down. Using blue tone as main light source, the lighting is designed to create a sense of science fiction in the future which is in line with the overall design concept of the science and technology theme for the Silicon Valley project. To minimize the impact on the surrounding natural environment, all lighting features are considered.

The proposal meets the net-zero energy design requirements because the design has no energy consumption in use except lighting. For lighting, the energy consumption can be kept in minimum level by programming lighting mode and controlling lighting time.