

"Beauty is infinity expressed in a finished form"
Friedrich Wilhelm Schelling

Before Silicon Valley brought us the *iPod* and the *HP printer*, the area nestled between San Francisco and San Jose was a fruit orchard...

Today, Silicon Valley is a global technological center and the main innovation cluster in the USA.

San Jose, the capital of Silicon Valley, is a magnet for people who have dedicated themselves to development of information technologies and science.

The process of technology development is **the infinitude**.

The search for harmony between Man and Nature is **the infinitude**.

The knowledge of the unknown, the pursuit of excellence is **the infinitude** ...

Image/Symbol of the structure

"Each rise was preceded by a fall ..."

Edgar Wagner

Exploring goals we set in front of us, we offer the **INFINITI** project - a dimensional symbol that represents the infinitude.

An image of the **INFINITI** structure is the **infinity** of search accompanied by rises and falls.

The **INFINITI** structure is projected from top into an isosceles triangle, a symbol signifying the universal laws of cosmic set-up.

Function:

Similar to the confluence of Los Gatos Creek and the Guadalupe River, the **INFINITI** structure conflates two forms of existence: an external techno-structure in the shape of spatial infinity symbol and an internal space consisting of live energy generated from the natural process of biosynthesis of fruit orchards planted on 18 platforms in the complex with a total area of more than 65.000 square feet (as compensation for the lost California orchards) (option 1) or the exhibition area of the Silicon Valley companies (option 2).

The **INFINITI** structure with a total area of **86000 sq.ft.** rests on three supporting points, occupying around 3% of the area allocated under construction, and "hangs" over the park and Los Gatos Creek and the Guadalupe River. An underground multifunctional complex with an area of **97000 sq.ft.** that has a park lawn on its roof is located under an area of **3.2384 acres**. The complex includes souvenir shops, restaurants, conference halls, restrooms.

Structure:

The building frame **D 49 ft** is an isotropic structure **IsoTruss** (12-node), made of fiber structures (as an option of ultra-lightweight and strong (especially in bending) material), that reaches a maximum mark of **195 ft**. The three pillars of the complex are staircase and elevator sections made of monolithic concrete, to which radial observation platforms are fixed on cantilevers at the mark of **155 ft**.

External framework facing is made of composite and solar panels with transparent silicone surface or photovoltaic glass that converts sunlight into electricity.

Communication in the **INFINITI** structure are travelators in the inclined elements of the complex, and panoramic elevators in vertical supports.