

## Project Statement

The proposed structures indicate how design and technology can achieve the sustainable goals that current society needs to target. This is the first step of adapting cities DNA - the way contemporary cities function, look and feel like. Starting with enhancing the DNA of San Jose. Similar principles demonstrated through this iconic structure can also easily be used as part of facades of new buildings, or even as a retrofit for existing structures.

The Arena Green needs to above all remain a park that is fully available to the city and any proposed additions need to be carefully placed around the existing monuments but also around the biologically important confluence of the rivers. Proposed structures are therefore designed to co-exist with current park functions, activating the park and using innovative technologies that can be deployed by cities around the world to become more sustainable, green and smart. San Jose can be at the forefront of major technological/urban shift happening in cities around the world.

The new San Jose icon will provide clean energy production within the city center that doesn't disturb any regular city functions. Low noise wind turbines used to harvest wind force, and photovoltaic panels are proposed to make use of the at all times present California sun. Both contributing to power the on-site vertical transportation as well as feature lighting in the evenings.

San Jose is known for a climate with great conditions for farming and plants. To save space, especially in high densely populated cities – vertical farming is viable alternative for sustainable population growth. Not just reducing the space required for farming, but also due to its proximity to the places of consumption within the city. The proposed towers are demonstrating one of the potential ways vertical farming configuration to be used in cities.

Any captured rainwater from either the towers or nearby ground surfaces around towers will be collected into water reservoir located underneath the tower itself, functioning also as a counterbalance to the slender timber structures. This water is then used for irrigation of the vertical farm and the park.

Elevated pedestrian walkway will bring visitors not just closer to the proposed structures but also above the neighboring buildings to offer unprecedented views towards the current downtown and towards the new development, west of Highway 87. Proposed structures, skywalk as well as any additional buildings on site are designed to be carbon neutral.