

INFINITY ARCH

Urban Confluence Silicon Valley
Arena Green, San José, California, USA.

Site Location:

The site is located in the city of San José California, on Arena Green, in an area on the west side and another on the east side, and in the middle two rivers meet.

Site Characteristics:

Green Area is surrounded by four roads, in which we find few low-rise buildings, except at the corner of E Santa Clara St with N Autumn St, where the SAP Center is located, this building due to its dimensions and its height generates the corner with more presence within the space.

Site Analysis:

The surroundings of Arena Green require an urban reordering with new technologies and new visions of space uses, to generate a space and a central architectural element as the center of the node.

Aim of the Project:

Detaching from this context considering the urban tissue of the city, we attempt to create an aesthetically correct object of admiration on the outside, which can give many new visual angles from its interior to the urban space.

Another great objective of the space and architectural object is to become **Net-Zero Energy** and reduce carbon emissions in the world:

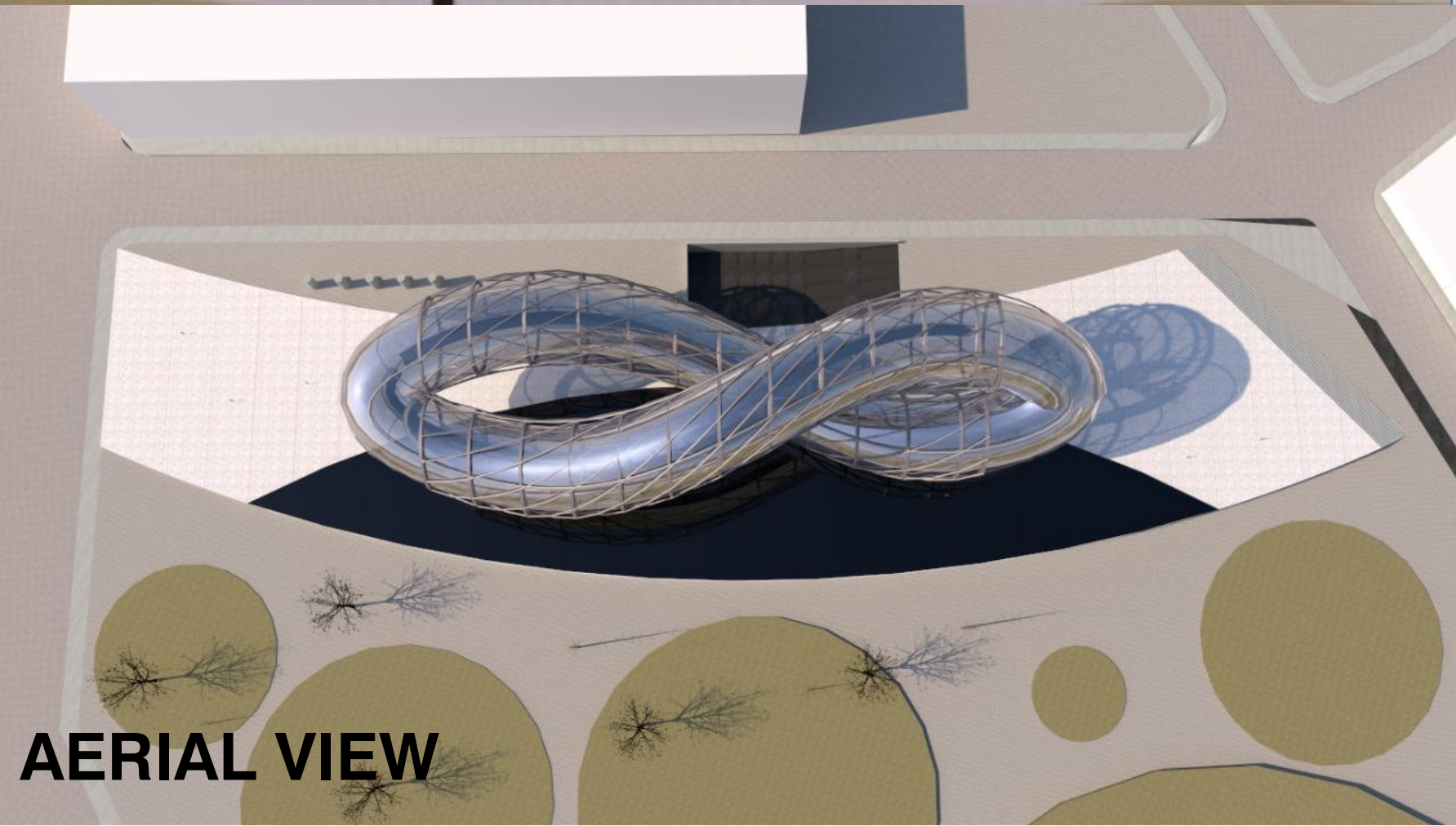
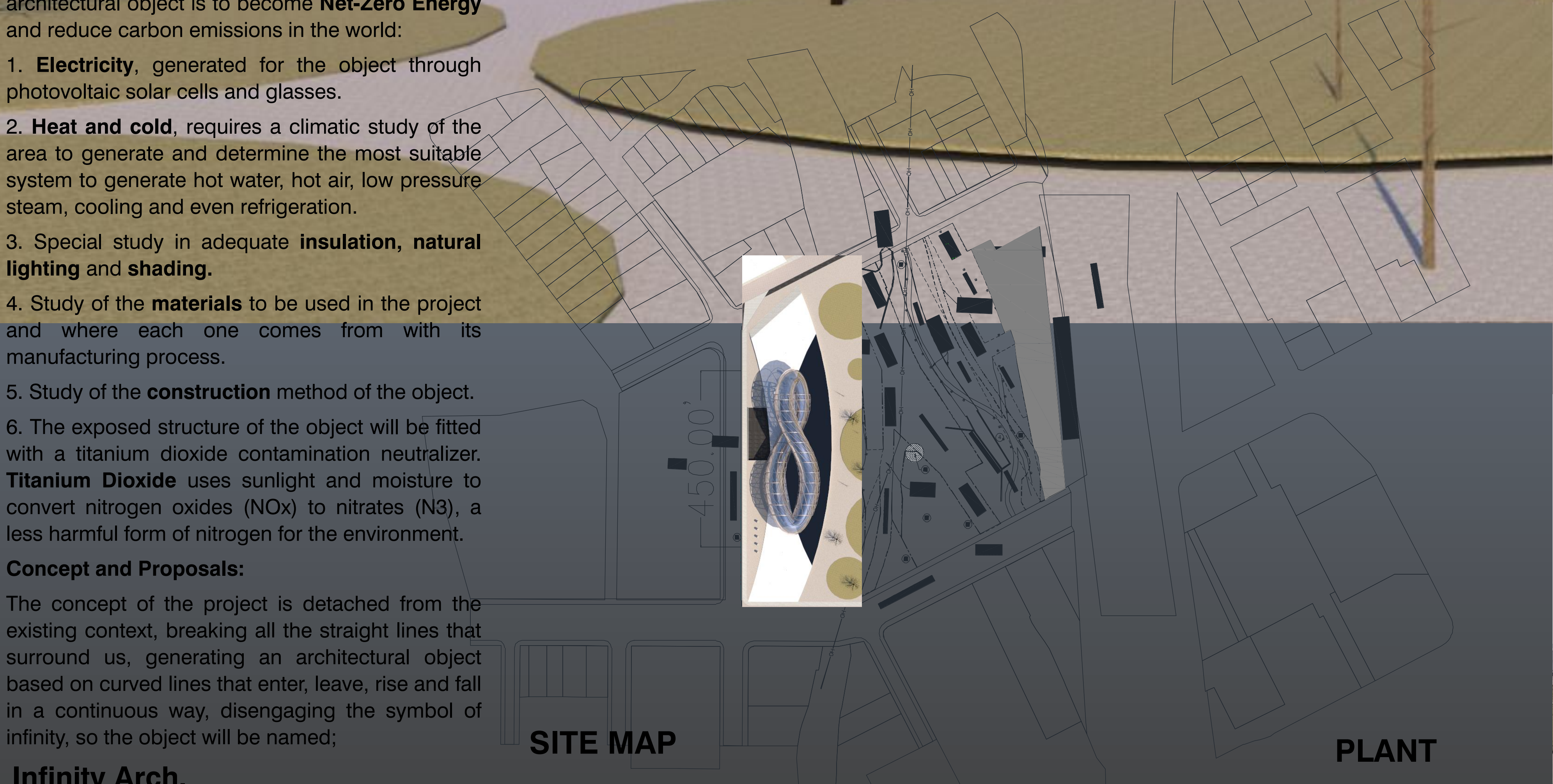
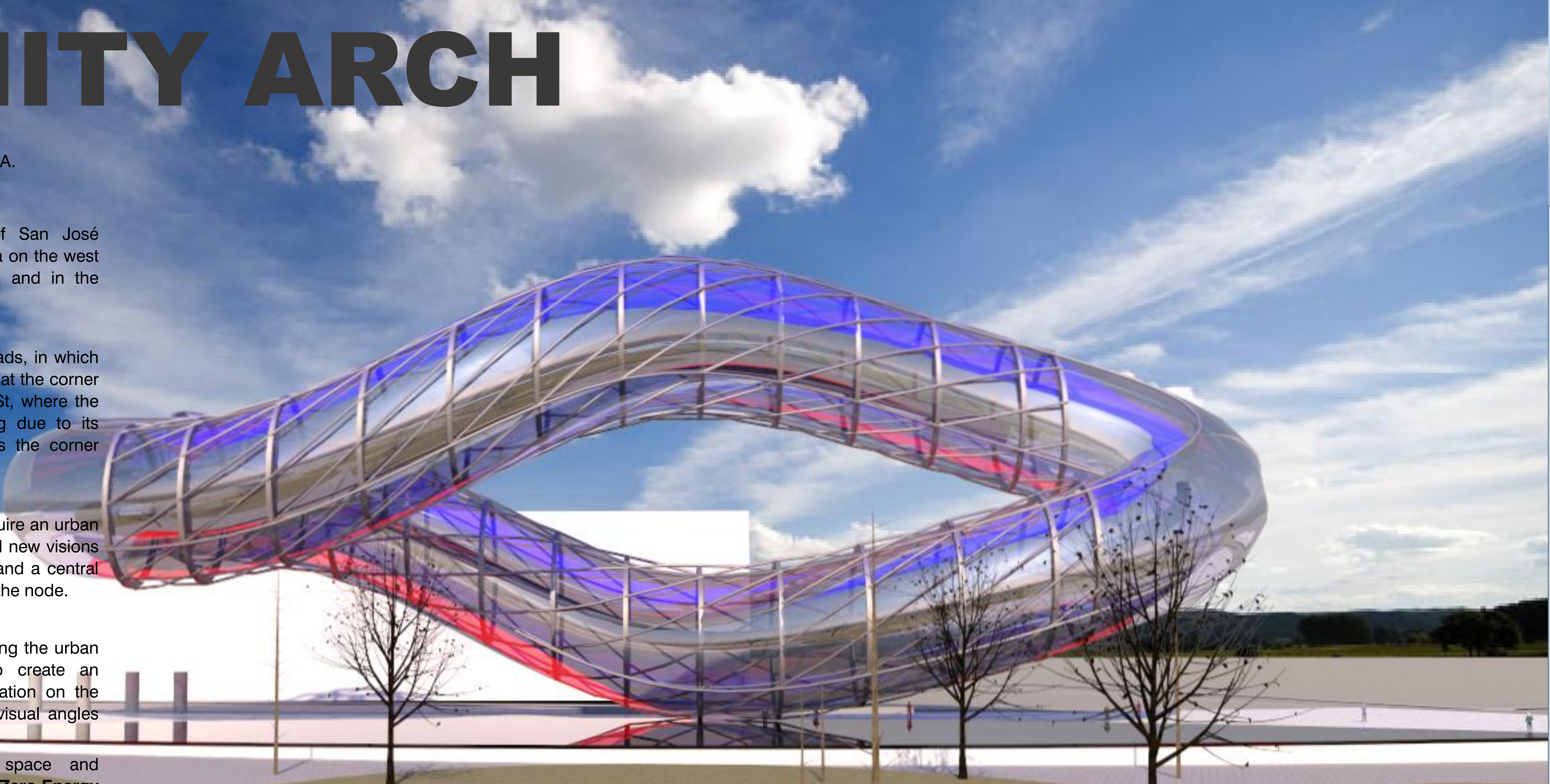
1. **Electricity**, generated for the object through photovoltaic solar cells and glasses.
2. **Heat and cold**, requires a climatic study of the area to generate and determine the most suitable system to generate hot water, hot air, low pressure steam, cooling and even refrigeration.
3. Special study in adequate **insulation, natural lighting** and **shading**.
4. Study of the **materials** to be used in the project and where each one comes from with its manufacturing process.
5. Study of the **construction** method of the object.
6. The exposed structure of the object will be fitted with a titanium dioxide contamination neutralizer. **Titanium Dioxide** uses sunlight and moisture to convert nitrogen oxides (NOx) to nitrates (N3), a less harmful form of nitrogen for the environment.

Concept and Proposals:

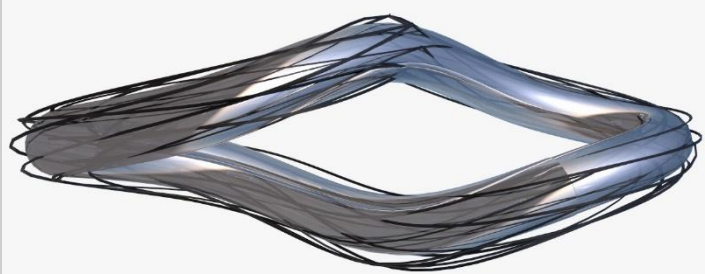
The concept of the project is detached from the existing context, breaking all the straight lines that surround us, generating an architectural object based on curved lines that enter, leave, rise and fall in a continuous way, disengaging the symbol of infinity, so the object will be named;

Infinity Arch.

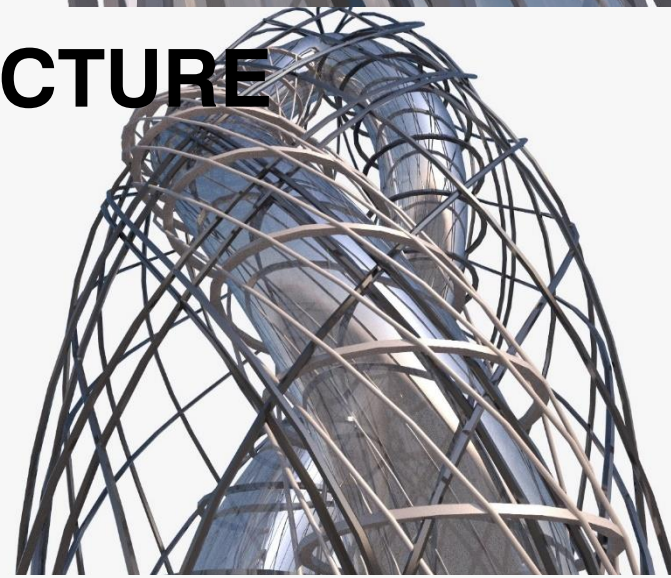
Infinite is possible.



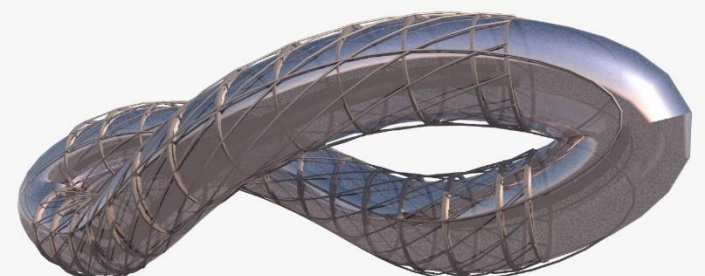
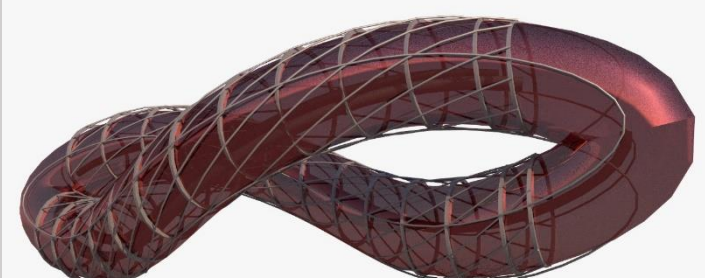
SHAPE



STRUCTURE



COLOR

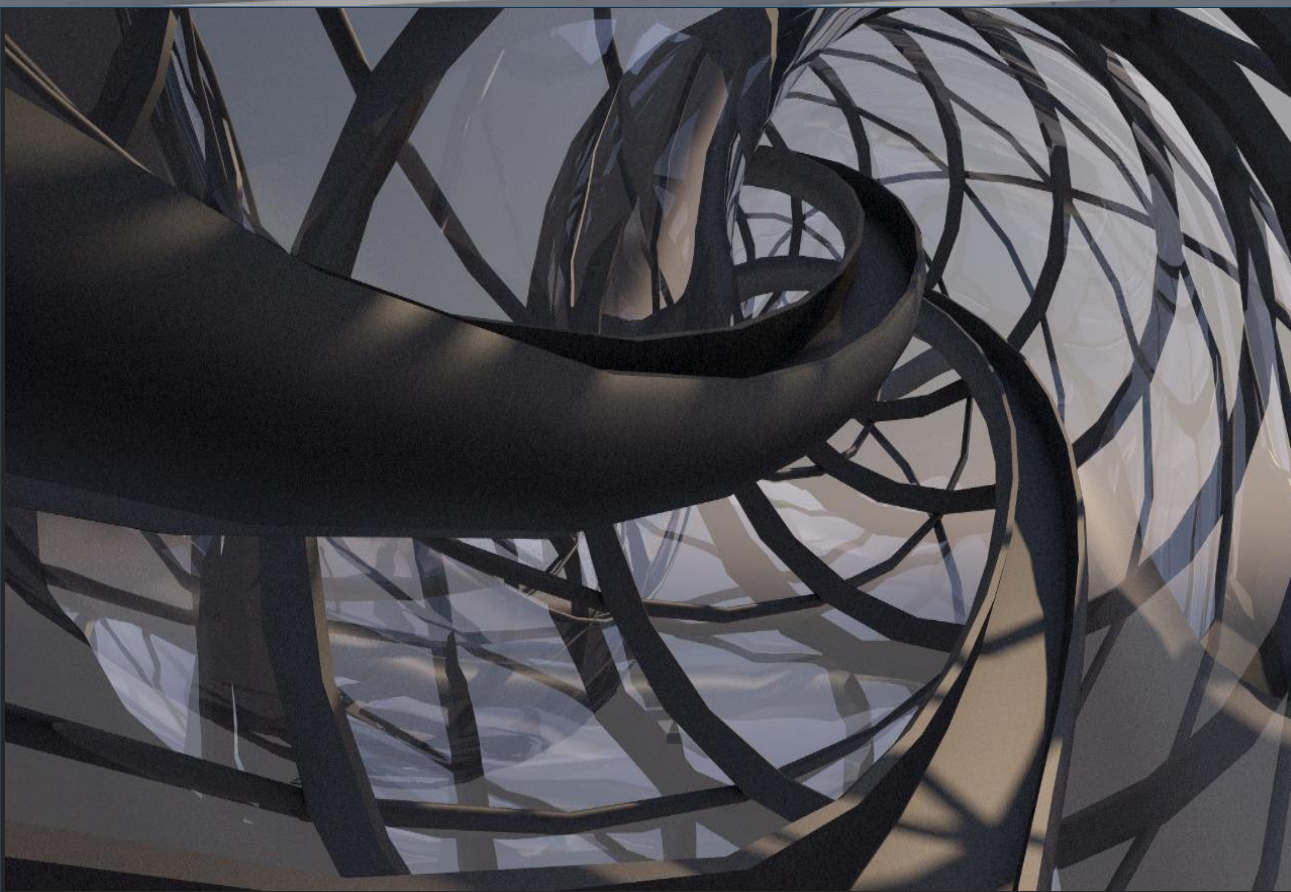
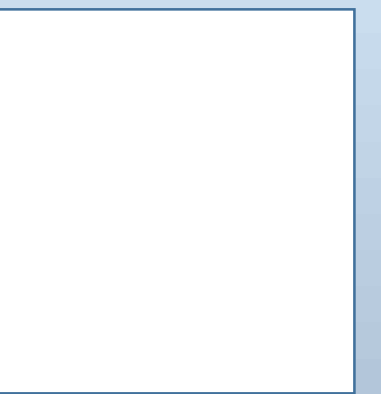
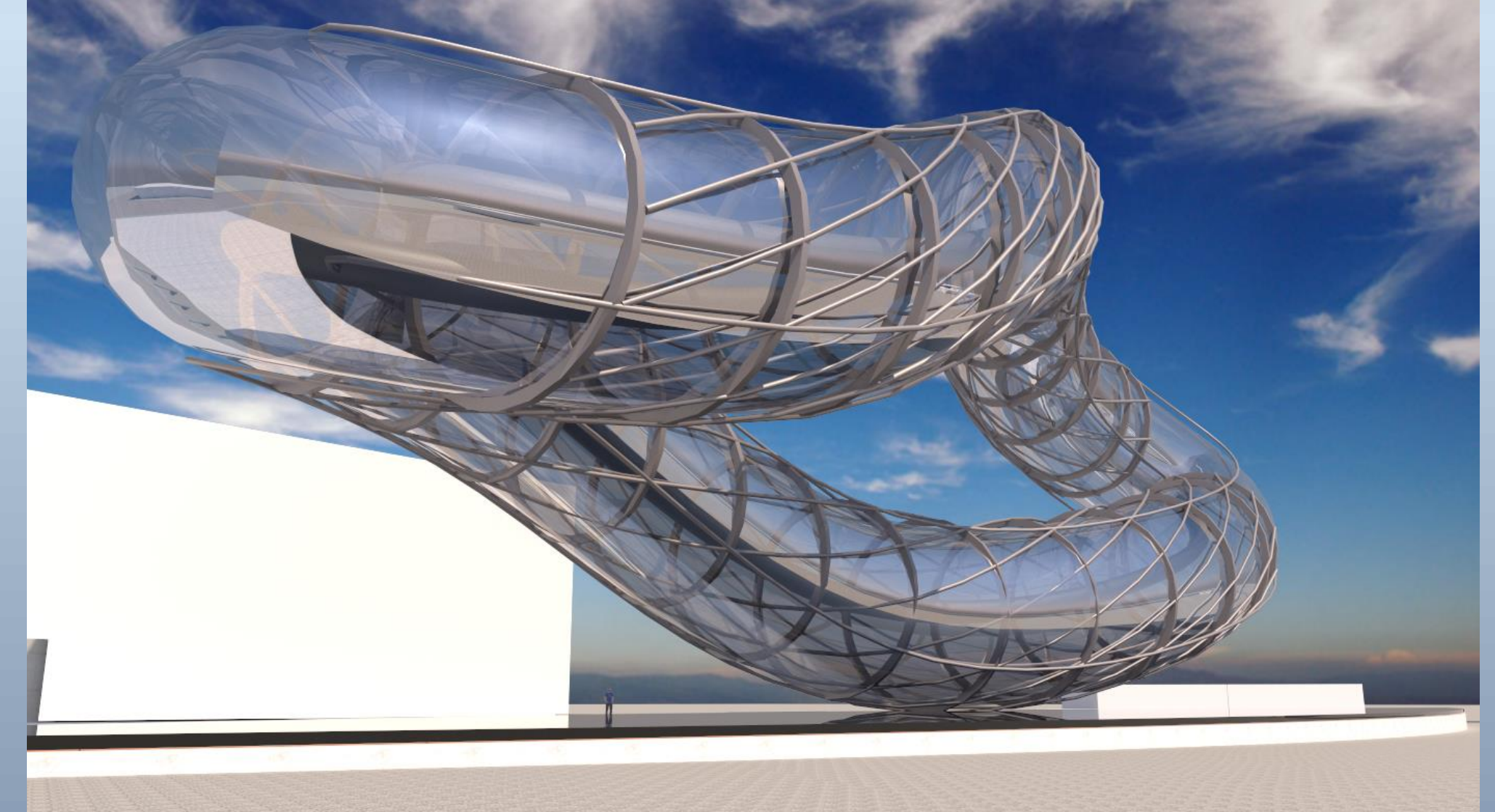




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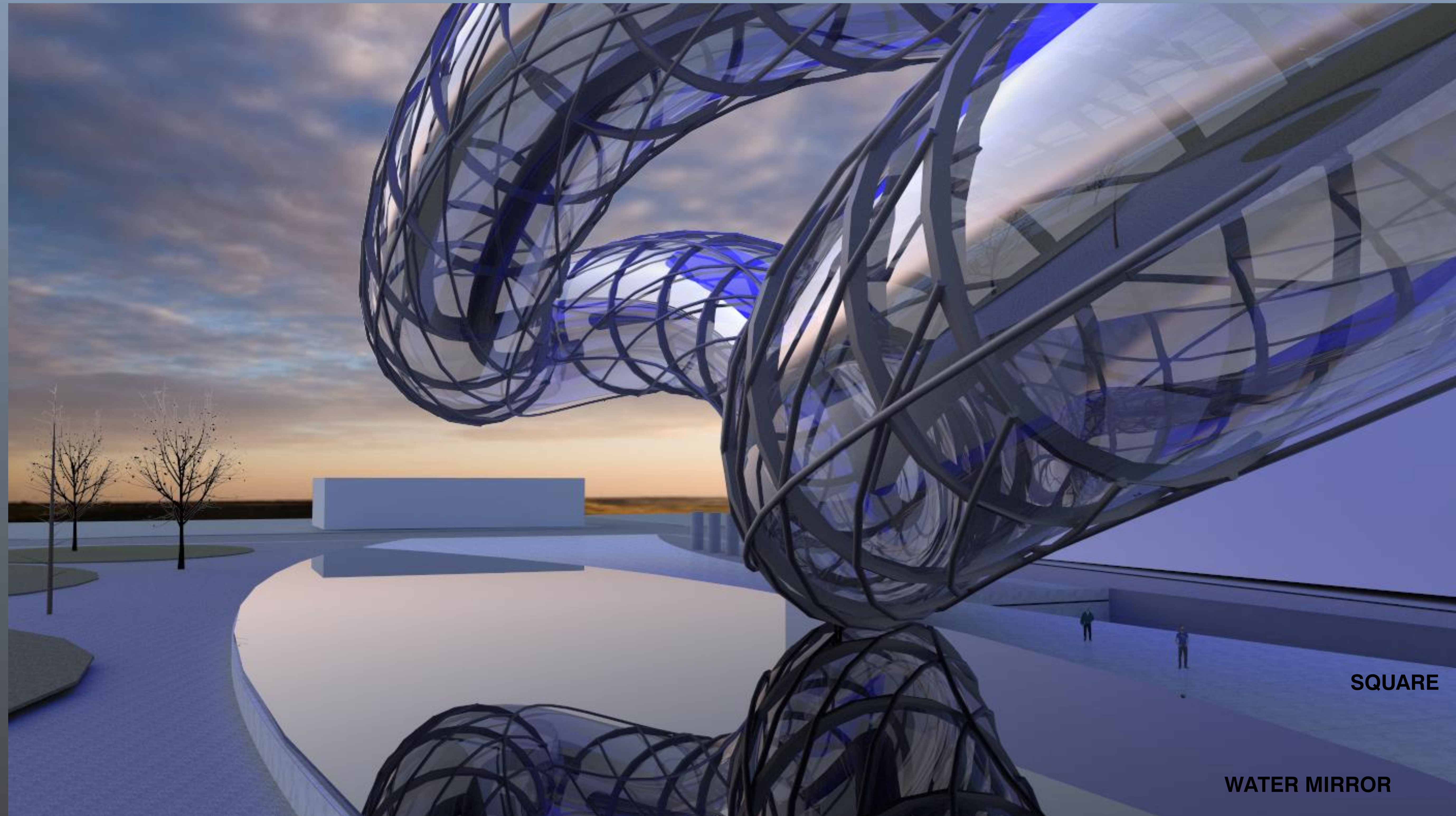
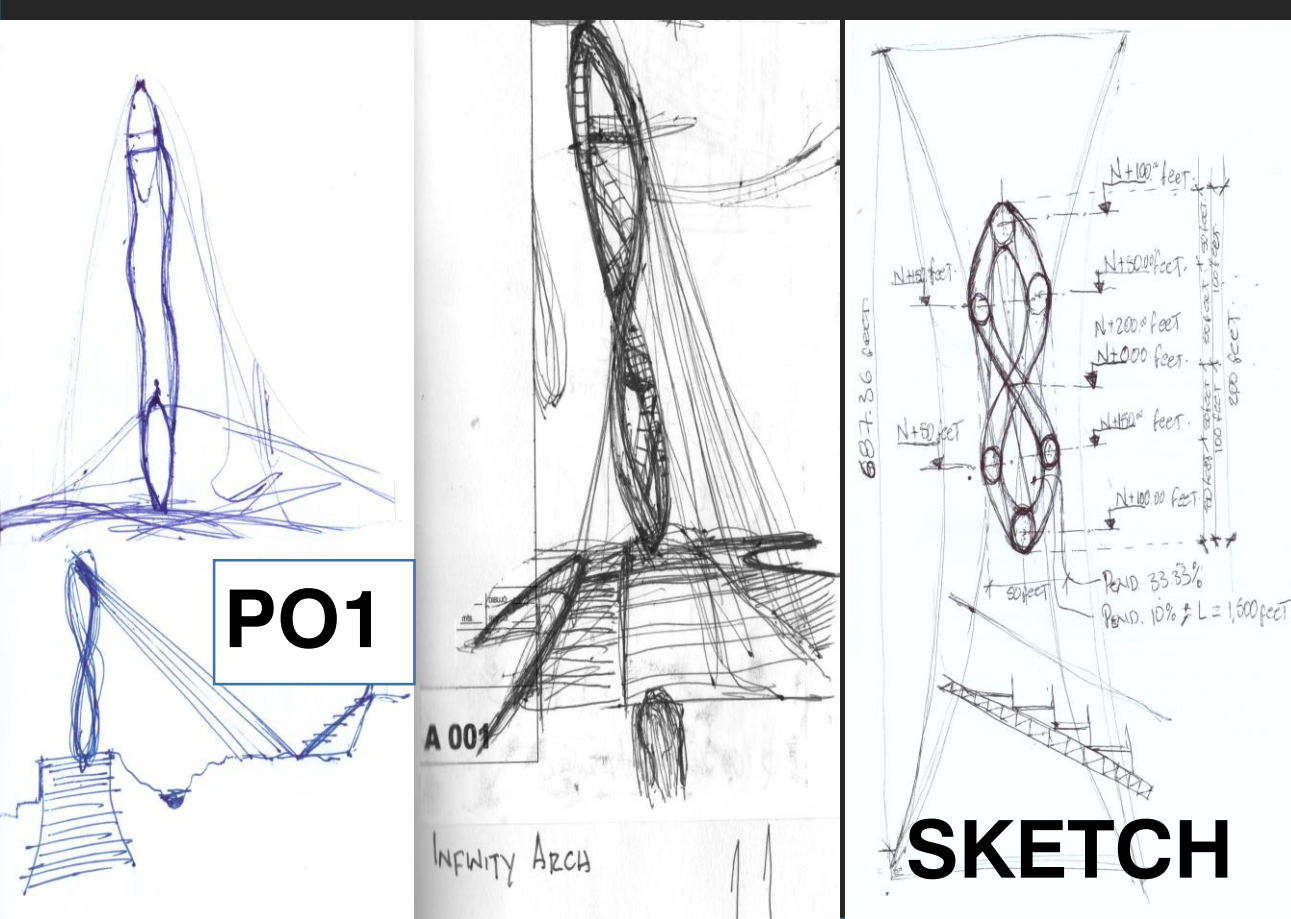


FACADE



INFINITY ARCH

This architectural project aims to represent art, culture and urban development. It represents humanity's unlimited capability to create a surprising element seemingly impossible to do by taking the infinite symbol shape and turning it into an amazing steel and glass structure that generates a new point of reference for the city. The shape and the function of the proposed building go after the same objective: To look forward into life...



SQUARE

WATER MIRROR

INFINITE IS POSSIBLE