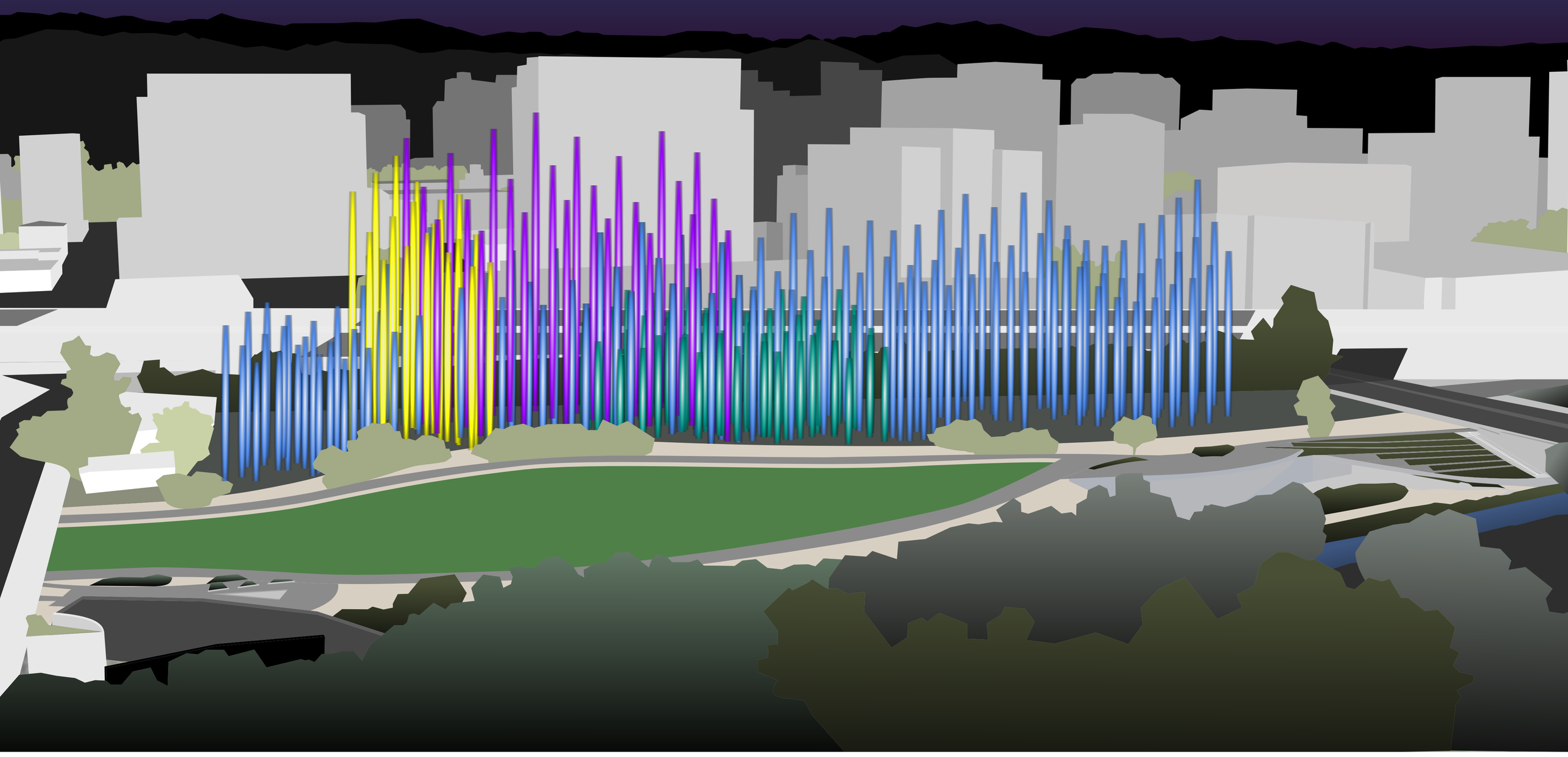
e·lec·tro·mag·net·ic pulse



View of the e·lec·tro·mag·net·ic pulse from the Arena Green West Vista Point

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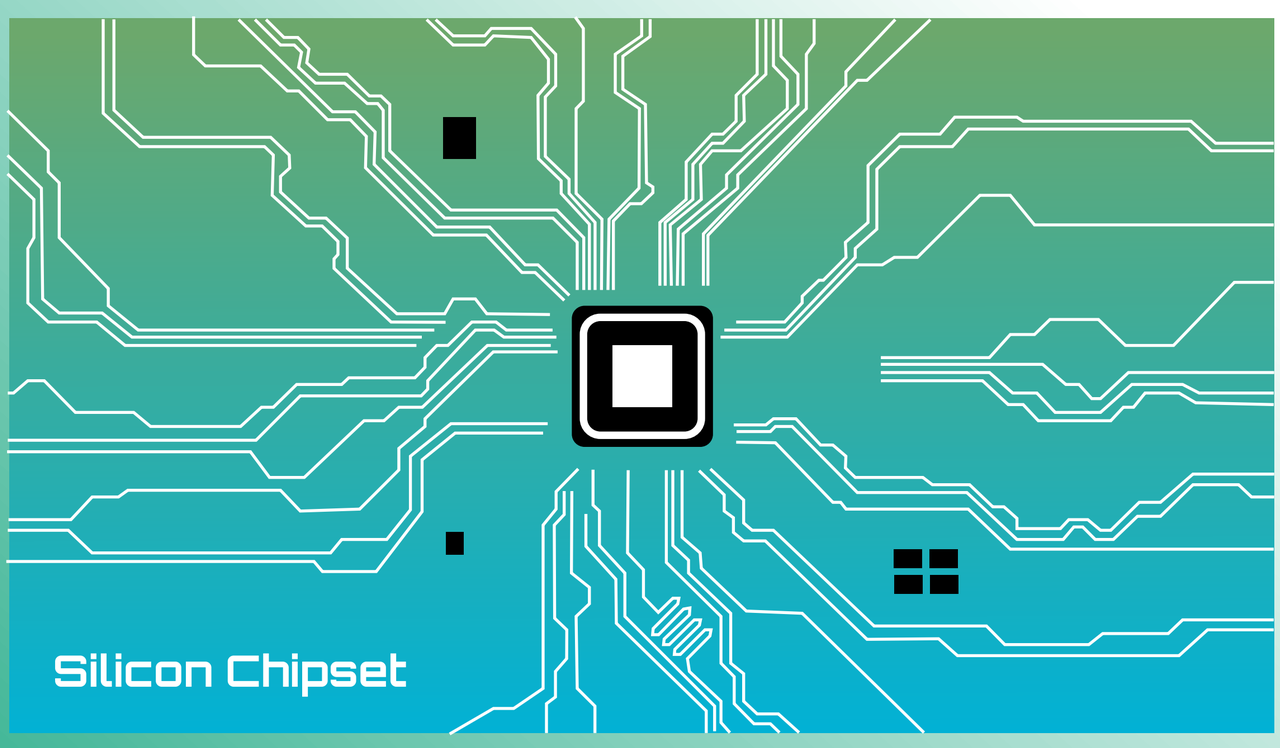

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e·lec·tro·mag·net·ic pulse

An electromagnetic pulse is a rapid, invisible burst of electromagnetic energy. It is a natural phenomenon, occurring most frequently during lightning strikes, and can disrupt or destroy nearby electronics.

San Jose is the center of Silicon Valley, a unique place where creativity, in combination with technology, has led to disruptive innovation. The attributes associated with an electromagnetic pulse represent San Jose' s past, present, and future.

The proposed LED light installation incorporates sine waveforms (super-imposed on silicon chipset pathways), an interactive sound capture system, and wearable technology, to cause the LED lights to pulse – similar to that of a life-affirming heartbeat.

The sine waveform is timeless. As a graph of the sine function, it has been around for at least 200 years. Since the technology of the future will be based on mathematical and physical principles, the sine waveform is a perfect representation of San Jose' s past, present, and future.

From an aerial perspective, use a silicon chipset concept to define the pathways residents will use to access the various activity areas. For example, create a vista point in the shape of a short, flat-topped pyramid. Then, use vertical LED lights to line the paths to other points of interest.

e·lec·tro·mag·net·ic pulse

Net Zero Energy Strategy

Transparent Solar Glass

At Day Time
Absorbs Energy
In All Directions

Transparent Solar Glass

AT Night Time
Light Shines Through

Powerwall Battery Pack

Stores Sunlight Energy For Night

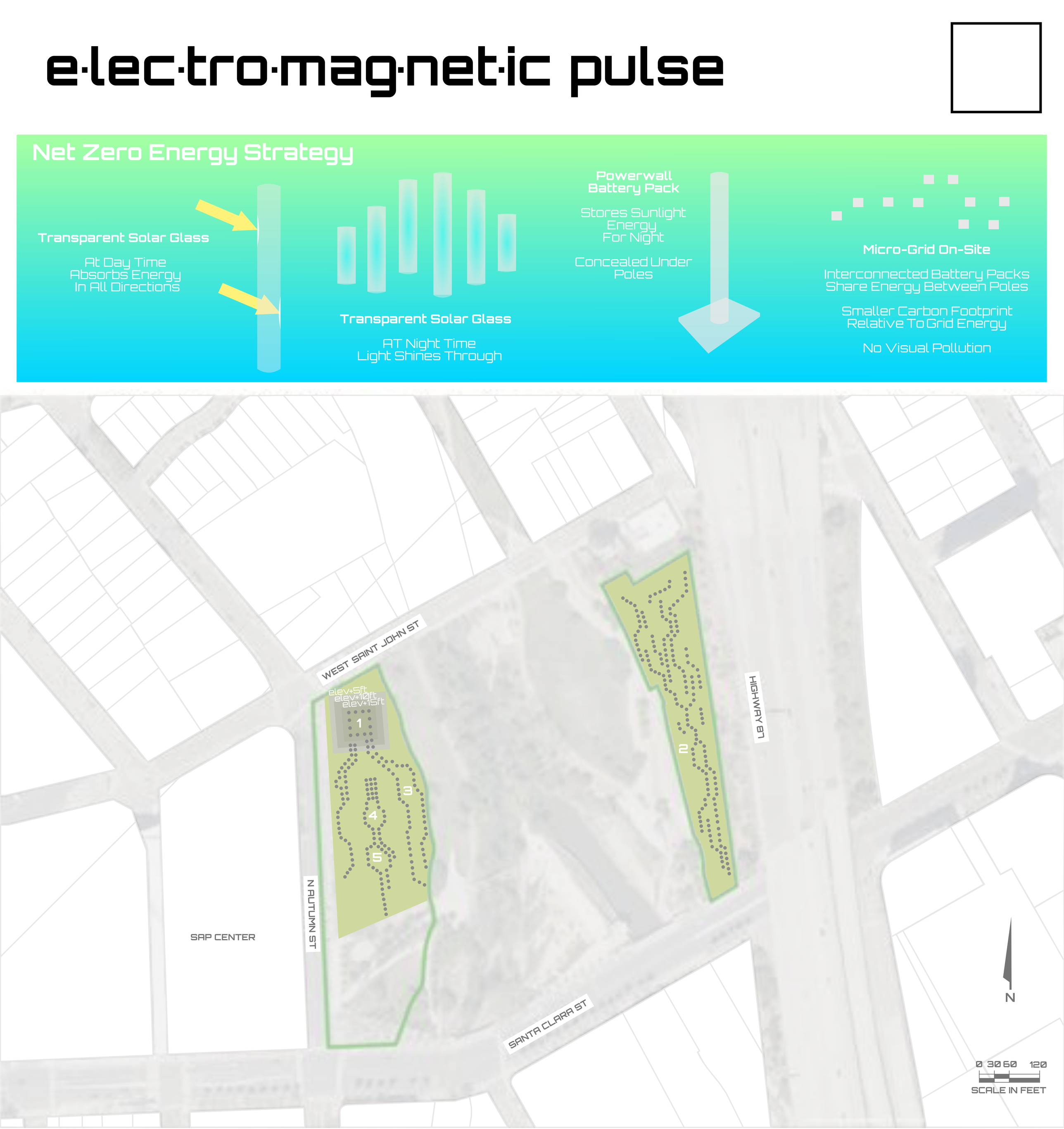
Concealed Under Poles

Micro-Grid On-Site

Interconnected Battery Packs Share Energy Between Poles

Smaller Carbon Footprint Relative To Grid Energy

No Visual Pollution



Potential Activity Areas

1 Arena Green West Vista Point
2 Flex Bazaar/Walkway
3 Scenic Seating Area
4 Souvenir Shop
5 Bistro

Sine Wave

COVID-19 Memorial

New Year

4th of July

TOP: The installation's Net-Zero strategy is to use solar energy sources to power the LED lights.

ABOVE: From an aerial perspective, use a silicon chipset concept to define the pathways residents will use to access the various activity areas. For example, create a vista point in the shape of a short, flat-topped pyramid. Then, use vertical LED lights to line the paths to other points of interest.

LEFT: As an example of civic pride, San Jose, in solidarity with other communities, may use the light colors as a beacon for any initiative or community gathering San Jose may desire.