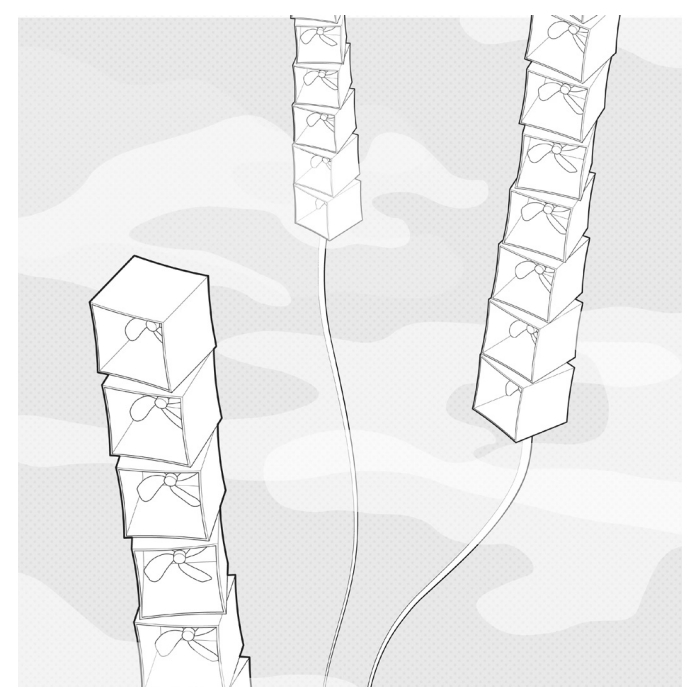




ENERGY GENERATION

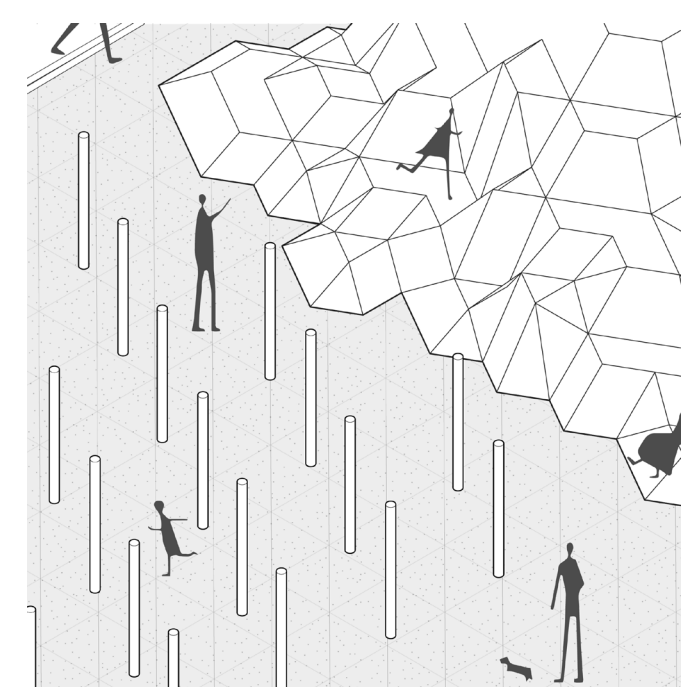
Energy Generation is an approach to the design of the Spinelli Barracks that democratizes accessibility to renewable energy resources by utilizing the energy of youth in the creation of clean energy for the city. With the influx of new inhabitants to the Spinelli Barracks, the kinetic energy generated in this dual park and playscape brings forth a new era of reimagining utilitarian infrastructure. In this project, four main technologies and reforestation make way for an interactive, inspirational, playful, purposeful and productive landscape.

SUSTAINABILITY



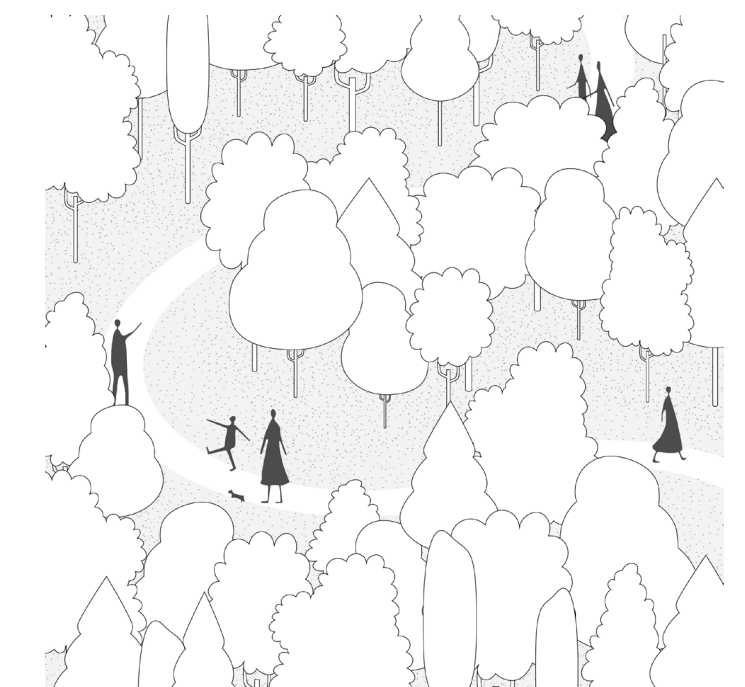
The park features four unique categories of renewable energy generation: solar, hydro, wind, and kinetic. Like your favourite museum or art exhibit, these different models are showcased throughout the park and have varying levels of interaction, forms and sizes. The mundane is transformed into the sublime as you experience different forms of energy generation.

ENGAGEMENT



The main proposal is to generate energy from the interaction between people and systems while also creating sculptural structures that serve as both playscapes and way finders. An emphasis was placed on the development of innovative ways for individuals to engage with renewable energy to improve the exposure and normalization of these technologies.

REFORESTATION



Considering the significance of the site as a cooling corridor, a significant component of the design proposal was the reforestation of the Spinelli Barracks. The reforestation of the site allows for increased carbon sequestration, cooling and transpiration, reduction of energy use, improvement in air quality, and the reduction of stormwater runoff.