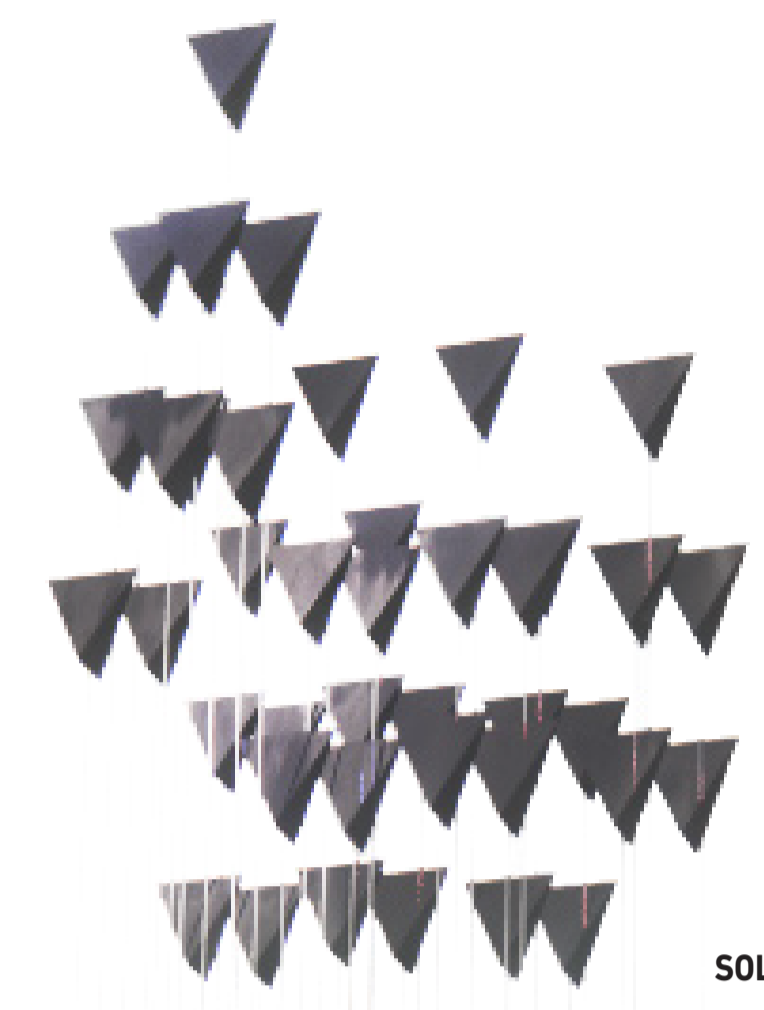


Radical Pollinator Network

Our approach to technology is manifold, from harvesting solar energy, to growing structural materials, to utilizing low-tech nature-based solutions. For our low-tech approach, we are addressing climate and biodiversity challenges that exist in urban areas through the establishment of radical replanting and pollinating, facilitating new habitats for endangered species. The species can nest and procreate in their corresponding structures. The materials utilized for the structures are timber, rock/aggregate, and mycelium. The overall approach keeps the health of the local community and economy in mind – multiplying the ground plan of the site as a habitat and bee-line corridor.

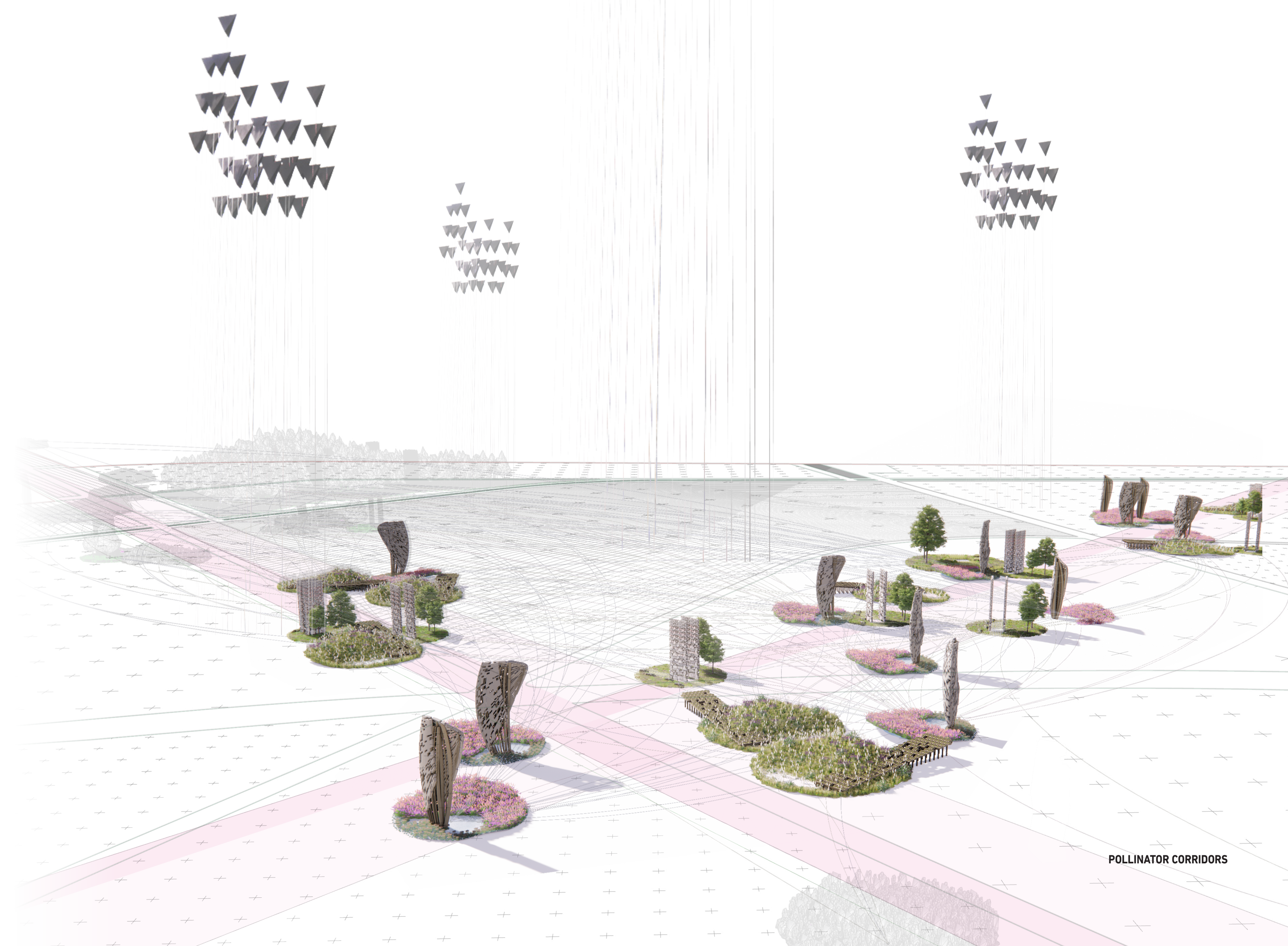
The site is designed through multiple layers, keeping the ground as a living ecosystem. Our playful approach incorporates Solar Balloons to gain solar energy, which lift off the ground plane above the cloud line. The balloons can collect energy powered by the sun to feed back into the surrounding neighbourhood context. Keeping in mind their envelope material, one that absorbs solar radiation, the balloons float as the air inside is heated. As a lightweight, low-cost to manufacture, and energy-efficient solution, they can be deployed around the city, too. The solar balloon is a self-sufficient, autonomous, and symbolic infrastructure within communities.



SOLAR BALLOONS



ECOLOGICAL CONNECTIVITY OF FOUR SPECIES



POLLINATOR CORRIDORS