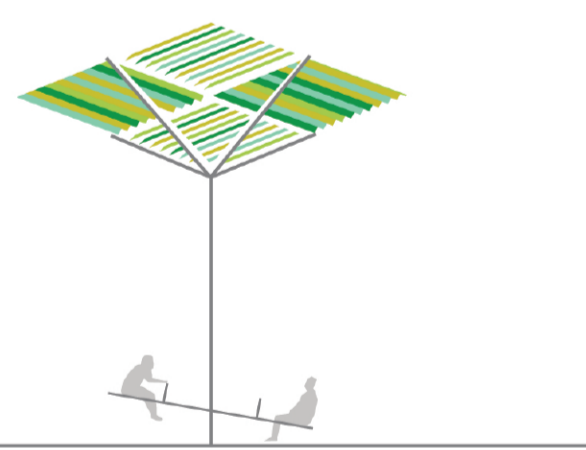




TREES AND SEESAWS



Inspiration from nature and play



Harvesting energy from tree-like structure & seesaw

Considering the context of the Federal Garden Show-BUGA to be held in 2023, we propose an eco-friendly open structure that can accommodate visitors and provide public activities along with recreation.

The roof with 1450 m² of colored PV panels provides comfortable semi-climatic venue and serves as a primary energy harvester. 23 tree-like vertical structures that support the roof, and the relocated existing trees are in harmony.

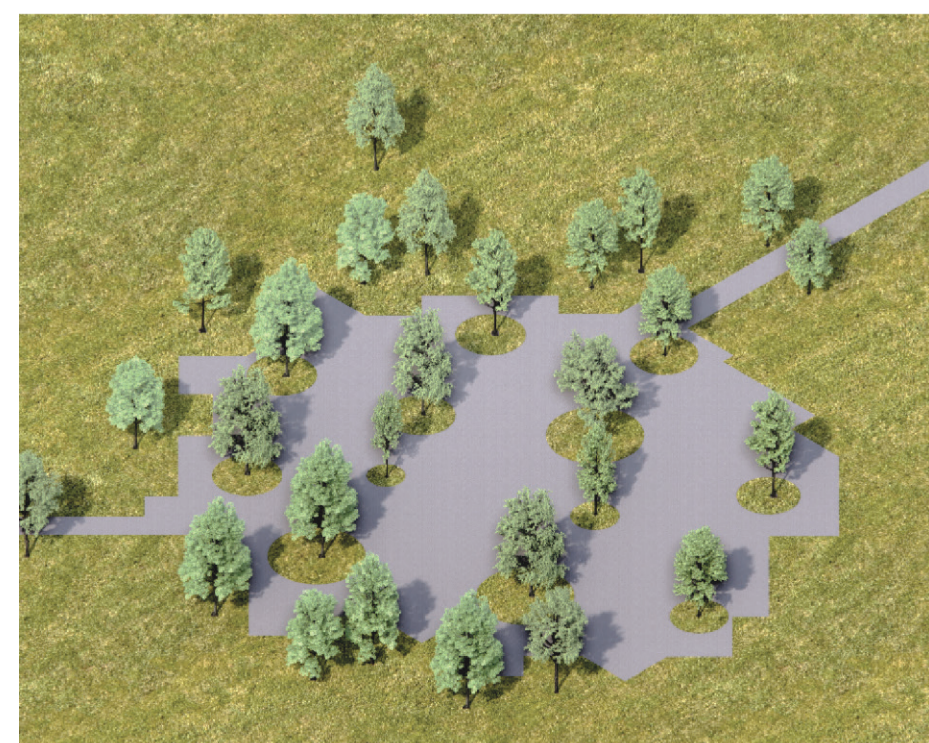
23 seesaws installed at the bottom of the structure are also eco-friendly energy generator. The kinetic energy generated by BUGA 23 visitors using the seesaws is converted into electricity and stored in a battery buried underground. It has educational value in that it converts the joy felt through active play into energy by inducing the participation of users.

The proposed design aims to create an open public space with components that benefits both nature and people.

It provides the opportunity for visitors to enjoy the surrounding landscape of BUGA 23 in any direction while having minimal impact on the green corridor to benefit the city.

By adjusting the number of modules in various configurations according to need, it is easy to reduce and expand the size, so it can accommodate various activities from two people to more.

Through the juxtaposition of green PV panels and real plants, man-made structures and natural elements harmonize to provide users with a new spatial experience.



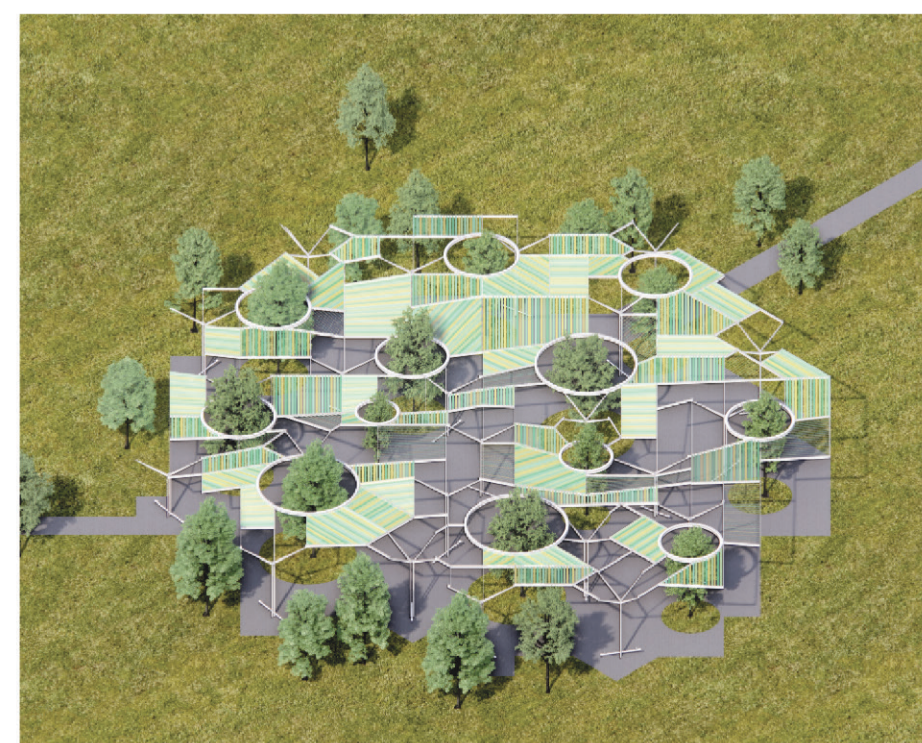
1. Transplant existing trees at the site to create civic public space



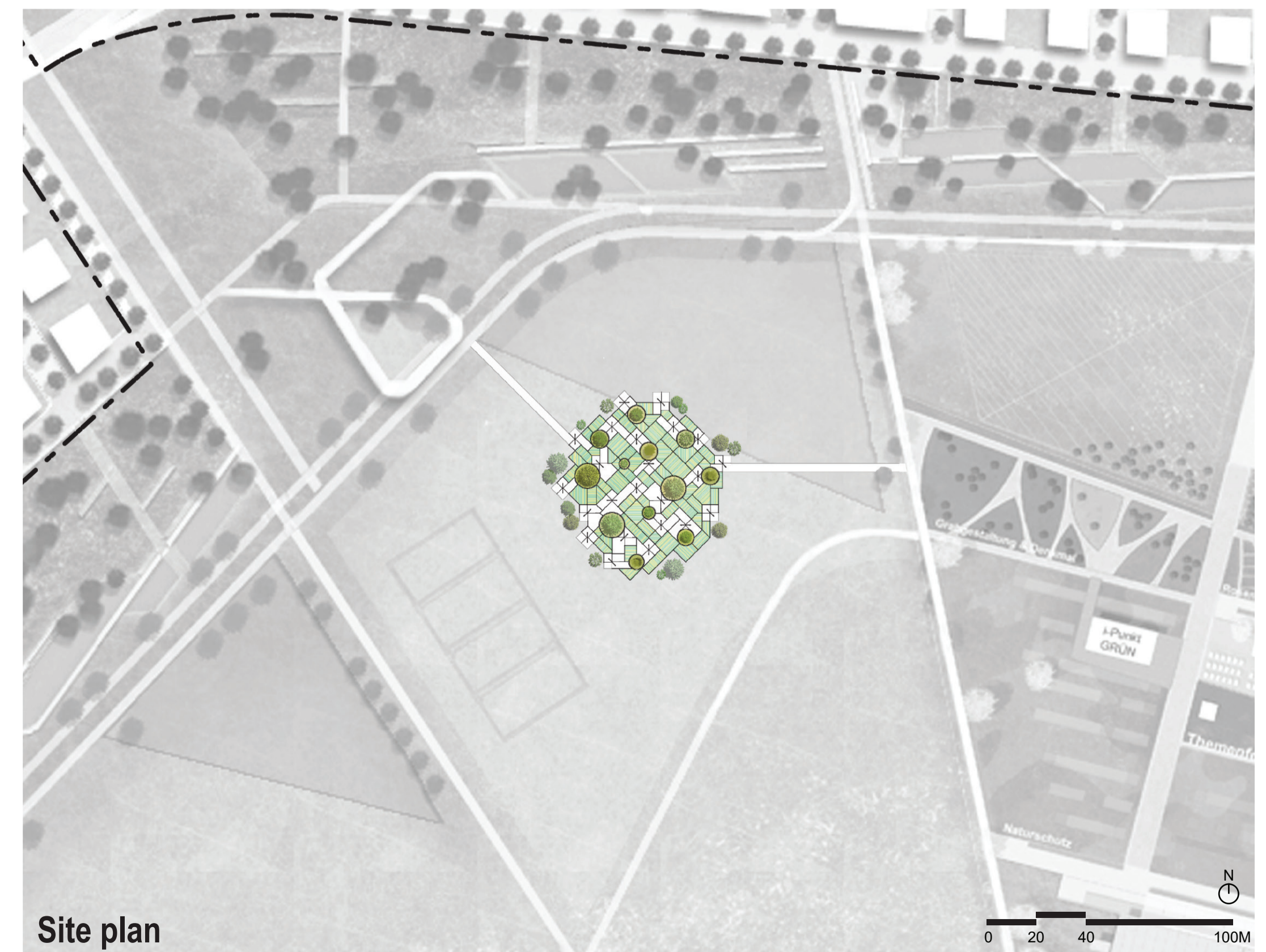
2. Twenty-three tree-like structures and seesaws used by visitors



3. Linear and circular beams connect vertical structures



4. Green PV panels generate energy in harmony with trees



Site plan