

The Earth is filled with different phenomena of nature. Nature is determined through plants, landscapes, and animals. Our society and economy, perhaps our existence, are made out of the nature of the Earth. Nature can include the smallest animal, such as an ant, to a larger scale of our forests and ocean. We do not realize that our Earth is made up of nature, which we continuously rely on for numerous services and goods. We sometimes depend on the nature of our well-being and happiness.

Located in Mannheim, Bloom is a proposed construction that depicts the purpose of nature. When it comes to nature, it varies from a small scale to a larger scale. In keeping with the idea of nature, Bloom includes a flower-like and a smaller scale of nature of a bud-like structure. Furthermore, in keeping with Bloom's character of nature, it includes a unique way to form renewable energy through solar photovoltaic technology. The concept involves educating the importance of nature, sustainable attributes to the local community, and creating a healthy environment for every individual's needs.

## CONCEPT

Bloom provides gathering spaces and an experience during the day and night. Flower-like structures will have a staircase surrounding the mesh that includes a growing tree inside while vegetation grows alongside the form of the metal mesh. The staircase includes a platform accessible for individuals to view the site of Mannheim day and night. As the sun rises, the flower-like petals open as if they were blooming to provide a shading device for individuals while collecting natural sunlight. These flower-like petals will close during the evening and provide lighting for the site. Lights will be embedded along the flower-like structure, providing individuals with a night experience. Individuals can stay within site at night due to having these flower-like structures.

The bud-like structures are represented through these domes embedded on the ground. These structures will provide an environment where individuals can gather and have a meeting space. In addition, farmers can use these spaces to create a product that uses specific vegetation growing within the site. This bud-like structure allows natural sunlight to flow through the solar panel glass and vegetation to grow through the metal mesh connecting to the ground naturally.

Bloom is a park that allows individuals to view the entire site from a higher point. Paths connecting these flower-like structures allow individuals to experience the site from a perspective on the ground level or on a higher level close to the flower-like structures.

Bloom gives the opportunity to freely give individuals the option to do different activities to their liking. Bloom is where individuals can exercise, meet others, gather, and enjoy the experience by walking throughout the site. In addition, individuals have the chance to see the two different experiences during the day and night that Bloom offers.



STAGES OF NATURE

