



Concept



-How to have an installation responsible to the Sustainable Development Goals?



-Something with aesthetic value and easy to understand by all members of society?



-Something attractive with benefits for all ages and also makes children interested in clean energy from an early age.



-Encouraging people to sustainable agriculture and using sustainable energies.



-Not blocking the wind path.

-Producing energy from wind and the sun.

-Being representative of Buga23 and be useful after that.



Solar Flower

We have used the concept of flowers in the design of this modular and scalable system; According to the demands of the competition to provide sustainable urban infrastructure beautifully and attractively so that the audience can communicate with it and feel a sense of mutual connection. The basic idea of this design is inspired by the functional process of flower petals and leaves, which absorb rainwater with special mechanisms and convert solar energy into the kind of energy that can be used for plant growth and metabolism. (UN sustainable development Goal No.9) Also, flowers represent the eye-catching beauty of the world. We have also tried to make the best use of the wind in the region by generating energy from it without blocking its path. In the designing process, it has been tried to use a balanced combination of beauty with the least amount of energy waste, so that there is a proper balance between the functionality of clean energy production infrastructure and its beauty, which makes the city more beautiful and connects people with this kind of infrastructures which are often coarse. (UN sustainable development Goal No.17)

This design, according to the concept of flowers, its terminological and aesthetic meaning, as well as the uses defined in it, make it possible for people of different ages, nationalities, and races to communicate with each other and with the design; in a way, the act of giving flowers to each other represents peace and specifically, in our design, it shows global peace.

The leaves of this design are intended for three types of applications:

- 1- Energy production from sustainable sources (Energy farms) (UN sustainable development Goal No.7)
- 2 -Vertical farms (vertical agriculture) (UN sustainable development Goal No.1 and No.2)
- 3-Children's playing equipment and people's gathering place.