



We find ourselves in this phase of transition between the world of separation between the artificial world and the nature and the future world of a greater symbiosis between nature and technology based on renewable energy resources, a cleaner, more peaceful and greater future. As a rudimentary act of this transition, the project proposed is a trial of blending technology and nature providing some sort of interaction and educational material.

The main concept of this artwork is the flower. However, unlike the natural flower, the petals of this device are supposed to get the resources as a leaf and a root does: absorbing the sun light and collecting the rain water, stimulating the growth of its green parts and proving a humble shading device in the landscape. These petals are to be made of a smart organic photovoltaic material, which can be of different colors and be folded in a wavy shape, to provide a bigger absorption surface.

Its leaves are defined by the plants which people can grow as they want: flowers, aromatic plants, all sorts of little vegetables and fruits. All these shall be planted in the supports which can be arranged upon the needs and willing.

The flower's stem provides the space for energy flows: water and energy, flowing up and down upon needs: the minimal stem provides space for water collection tube, for a tube for watering the flowers with water from the storage tank through a pump, and space for electric circuits.

Instead of roots, this flower has a base which provides storage space for water, electrical energy, as well as it can be a good sitting place and some more space for planting pots.

The base and the stem are to be made of rectangular shaped elements which can be of recycled wood and connected one to another as a 3D puzzle or Lego game. The construction idea provides three examples of 3 main different possibilities of design: 3 different sizes which provide various quantities of storage.

51m<sup>2</sup> of OPV petals: 7,7 MWh/ year

16m<sup>2</sup> of OPV petals: 2,4 MWh/ year

9m<sup>2</sup> of OPV petals: 1,3 MWh/ year

