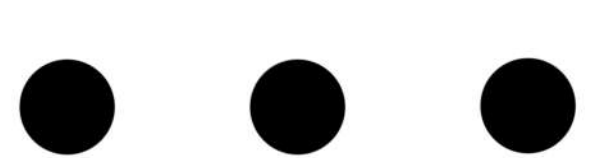


Functional program



Additional wind turbines on metal supports increase the amount of energy generated.

Water filtration modules:Acrylic fabric stretched over a metal frame collects rain and atmospheric water.A multi-stage purification system, including a membrane for primary filtration, a biofilm for the destruction of microorganisms and layers of sand and gravel, guarantees high quality of purified water,which goes directly to the drinking water tank. Some modules have a built-in animal drinker. Drinking water comes into it from the common tank.

Hydroponic Water Filtration Modules:Acrylic fabric stretched over a metal frame collects rain and atmospheric water. A multi-stage filtration system (membrane for rough cleaning, biofilm for destroying microorganisms, layers of sand and gravel) provides a high degree of water purification, which is then accumulated in a reservoir for watering the vertical garden and redirected to a common reservoir with drinking water when the maximum level is reached.

Cooling modules:A wooden frame with an integrated pipe system sprays purified (non-potable) water, creating a comfortable microclimate in the recreation area.

Solar energy modules:Solar panels integrated into a metal frame that imitates a palm tree generate enough electricity to meet the needs of approximately 67 households. An integrated lighting system is activated at night.

There are benches with walls around some of the cooling modules, which separates this area from the rest of the space. The walls also create an additional shadow. There is a small performance stage in the center of the area around the solar panel module.

