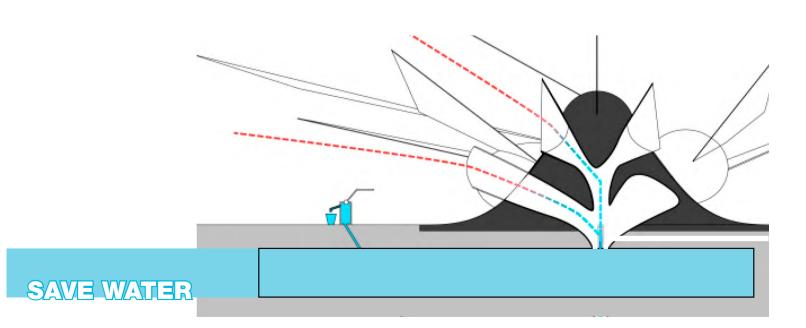


The sails, which will later become extensions of the air intake funnels, will help capture wind currents and direct them into the funnels. At the same time, the large surface area of the sails allows us to install solar panels on them. For a single unit, the total sail area is approximately 250 m², and depending on conditions, one square meter of solar panels can generate varying amounts of energy per day.



The method of extracting fresh water from the air through condensation is based on the principle of cooling humid air to the dew point, at which the water vapor it contains condenses into liquid water. This process can be natural (e.g., dew formation) or artificial (using specialized devices).

