

Categorie Premio

Accessibilità

Sostenibilità

Qualità della vita

**Product Name**

Watercone®

**Designer**

Stephan Augustin

**Company Name**

Auugustin Product Development

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**Italian Dealer**

Not vet distributed

**Entire Address**

Adress.....ZIP Code.....

City..... State/Province ..... Country .....

**Telephone**

**E-mail**

**Website**

**Referring contact**

for the Award

Designer Stephan Augustin

**Company**

**Telephone**

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**Referring contact**

for possible exposition in April

Designer Stephan Augustin

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**Description of innovation social values**

- product category
- formal and functional features
- problems solved by innovation
- user
- field of application

Almost every big city and hamlet in the world is near the sea or at a river. The salt water is undrinkable and most of the river water is heavily polluted. Every day 5000 children die world wide as a result of diarrhea caused by drinking unsafe water and more than 1,2 billion people lack access to safe water. Watercone® is a solar powered water desalinator (solar still) and the first cheap mass product in this feeld ever. It takes saltwater, brackish water or only dirty water and generates up to 1,7 liter of potable water in 24h. Watercone® is simple to use, robust, lightweight and can easily be manufactured. Users pour saltwater into the base pan and wait for the sun's magnified heat to cause the water inside the cone to evaporate. The water condenses onto the sides and runs down into a collection trough. The desalinated water can then be poured out through a spout at the tip of the cone like from a bottle. Beside eliminating salt from base sea water, the Watercone also does NOT transport highly toxic elements such as mercury, arsenic or cadmium from the pan into the cone. The Watercone® is an ideal device to cover a childs daily minimum need of freshwater. Consequently, it can be deployed in many third world countries lacking fresh water and can be taught to use through a universal set of simple pictograms that accompany the device, thus ensuring that even those who lack any formal education can benefit from the innovation.

**Description of technical features**

- operations
- technology

„Many peripheral small units will ensure a better supply of freshwater than one central big generator. If the big one fails, there is no water for the people. If a small one fails, the other ones still keep on working.“

In a pilot project with CARE Germany held 2004 in Yemen 100 Watercones® has been distributed amongst 10 fishermen families. At the end it become a very emotional moment for all involved when the village leader said (original quote): “The water from the Watercone has a much better taste even than our local bottled water.”

**Dimensions**

74x74x35 cm

**Materials**

Polycarbonate BAYER MAKROLON

**Certifications**

TÜV Reihnland, CARE Germany, Bayer India, WECF Lake Aral

**Benefits for environment**

Watercone® is a simple solar still that takes salt or brack water and generates up to 1,7 liter of potable water a day, enough to survive for a child.

**Benefits for human being**

With the aid of Watercones and their primary mission, millions and millions of impoverished coastal dwellers worldwide could look at the sea for the first time not only as a free provider of food, but much more importantly as a provider of free drinking water. A secondary mission would be to employ Watercones on brack water, polluted rivers, ponds, lakes or murky swamps and puddles.