

Naiade

Water purification



Safe water

Naiade purifies bacteriological contaminated water and makes it safe and drinkable. You can use Naiade everywhere: it only needs the sun.

Shortage of clean drinking water



For millions of people a shortage of clean drinking water is a reality they must face every day. Sometimes they simply do not have enough water, in other cases the water that is available is contaminated. Impoverished populations are the most severely affected by this problem; they simply can't afford to buy safe water.

Working on solutions



Aid organizations and governments in developing countries are striving to improve the availability of clean drinking water. Significant investments are being made in this area. This means the creation or expansion of safe water sources, improved storage and distribution, education about hygiene and the improvement of sanitary provisions. However insufficient infrastructure, electricity and money are often obstacles to achieving these goals.



Dirty water is a health hazard



In developing countries poor water quality is the leading cause of health problems. This is particularly true in situations where sanitary provisions are inadequate. Eighty percent of all illnesses in developing countries are caused by polluted water. It is estimated that two million people die from these illnesses every year.

Serious illnesses transmitted via polluted drinking water include:

- **Cholera**, an extremely infectious and deadly intestinal disease
- **Typhoid fever**, caused by the production of toxins by salmonella bacteria
- **Hepatitis A**, an infection of the liver resulting in jaundice
- **Dysentery**, an acute intestinal disease often resulting in death



The Naiade solution

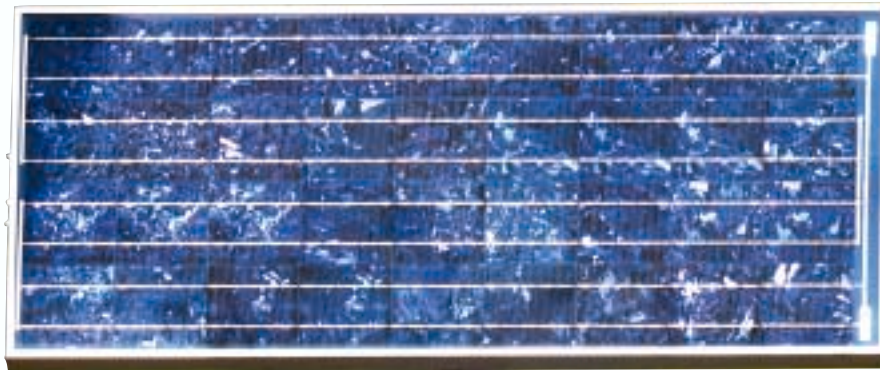
Naiade is an easy-to-install water purification unit for drinking water. It functions independently, without needing to be connected to an electrical energy source or water mains. Naiade cleans and disinfects water using sunlight. The installation kills all pathogens and makes drinking water safe without the use of chemicals.

Naiade can be used anywhere in the third world. The system is reliable and inexpensive. Naiade is

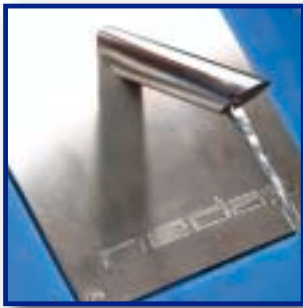
being introduced via organizations in various countries. Maintenance and management of the installation can be done by local people. To ensure that this is done properly the Naiade system has been developed.

It can be funded by the beneficiaries themselves at a minimal yearly cost per person.





Input of water through filters



Disinfected water by ultra violet light



Clear and safe drinking water

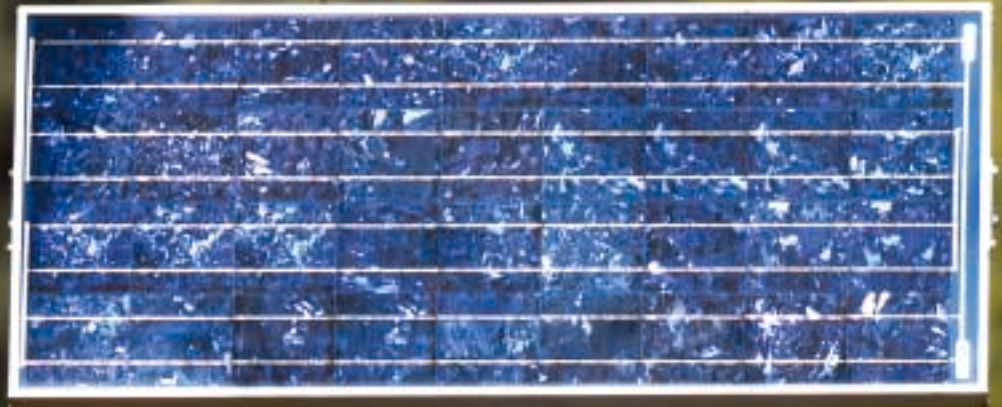


Technical Data

Energy source	Sunlight
Solar panel	75 watt
Energy storage	battery
Daily average capacity	2,000 litres (up to 400 people)
Water prefilters	included
UV disinfection lamp	20 watt
Water tank	100 litres

Weight	44 kg
Dimension	54 x 75 x 140 cm (excl. solar panel)
Effective against	viruses, bacteria, protozoa and worm eggs

nedap®



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