

HELIO WATER

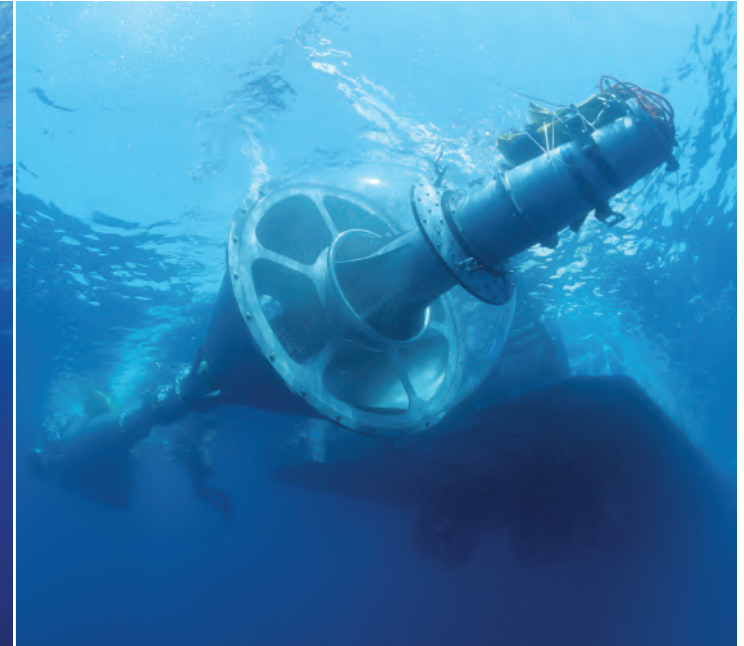
WHEN THE SUN CREATES WATER...



**On the cosmic scale, water is rarer than gold...
...and infinitely more precious for life.**

Hubert Reeves





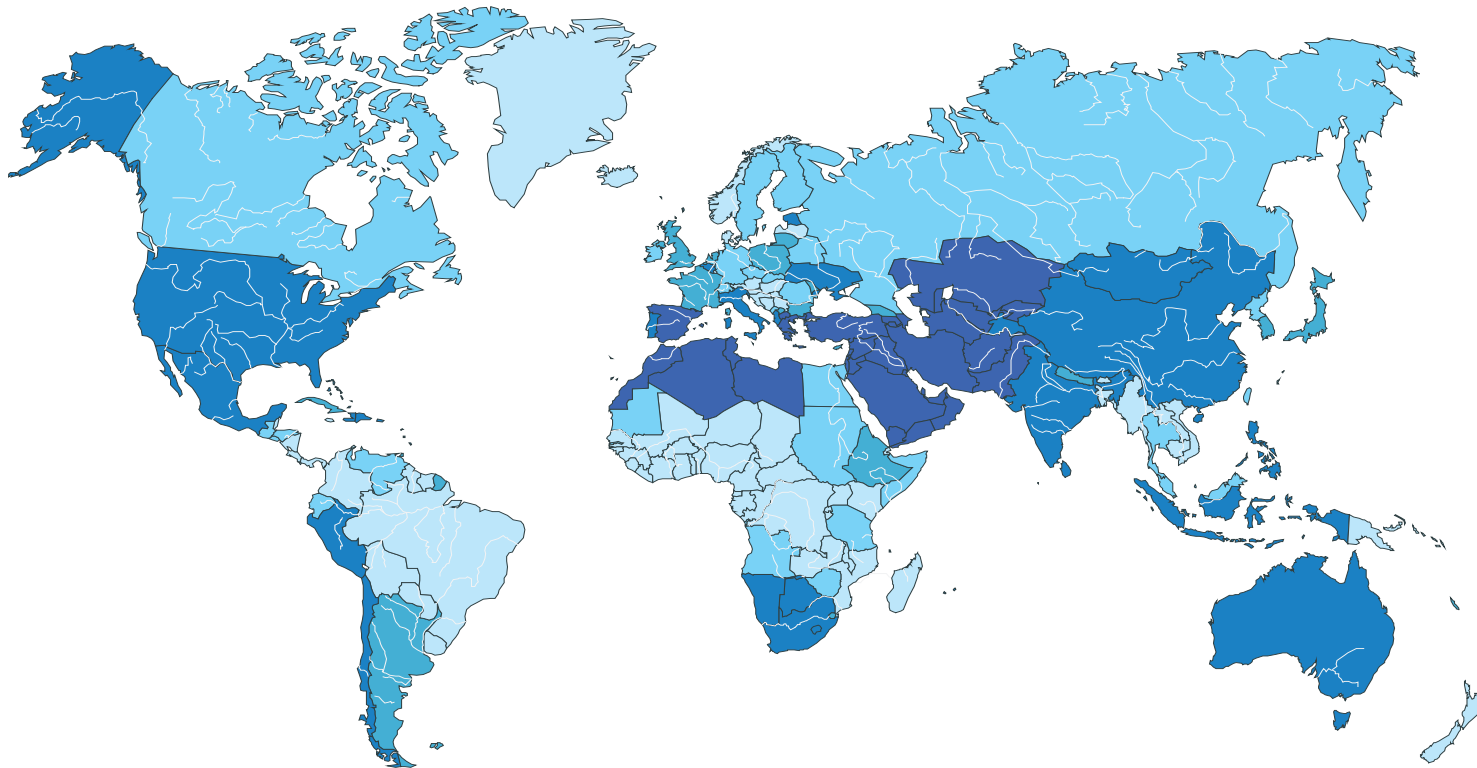
Helio Water is a subsidiary of Marine Tech, an engineering company with a great expertise in marine environment. A team of passionate experts works daily in a human-sized company.

Our strategy is to propose breakthrough innovations to meet the environmental challenges of the present and the future. The ecological and energetic transition thought with sense is the guideline of all our R & D programs. The HELIO system is the result of more than 6 years of research supported by the French government and the European Union.



THE LACK OF DRINKING WATER

WATER STRESS BY COUNTRY: 2040



800
MILLION

PEOPLE DON'T HAVE ACCESS
TO SAFE WATER.

2
MILLION
DEATHS

DUE TO WATER-BORNE
DISEASES

+ 50%

INCREASE OF THE WATER
DEMAND BY 2030.

SOURCES : World Resources Institute
WHO - UNICEF, 2017

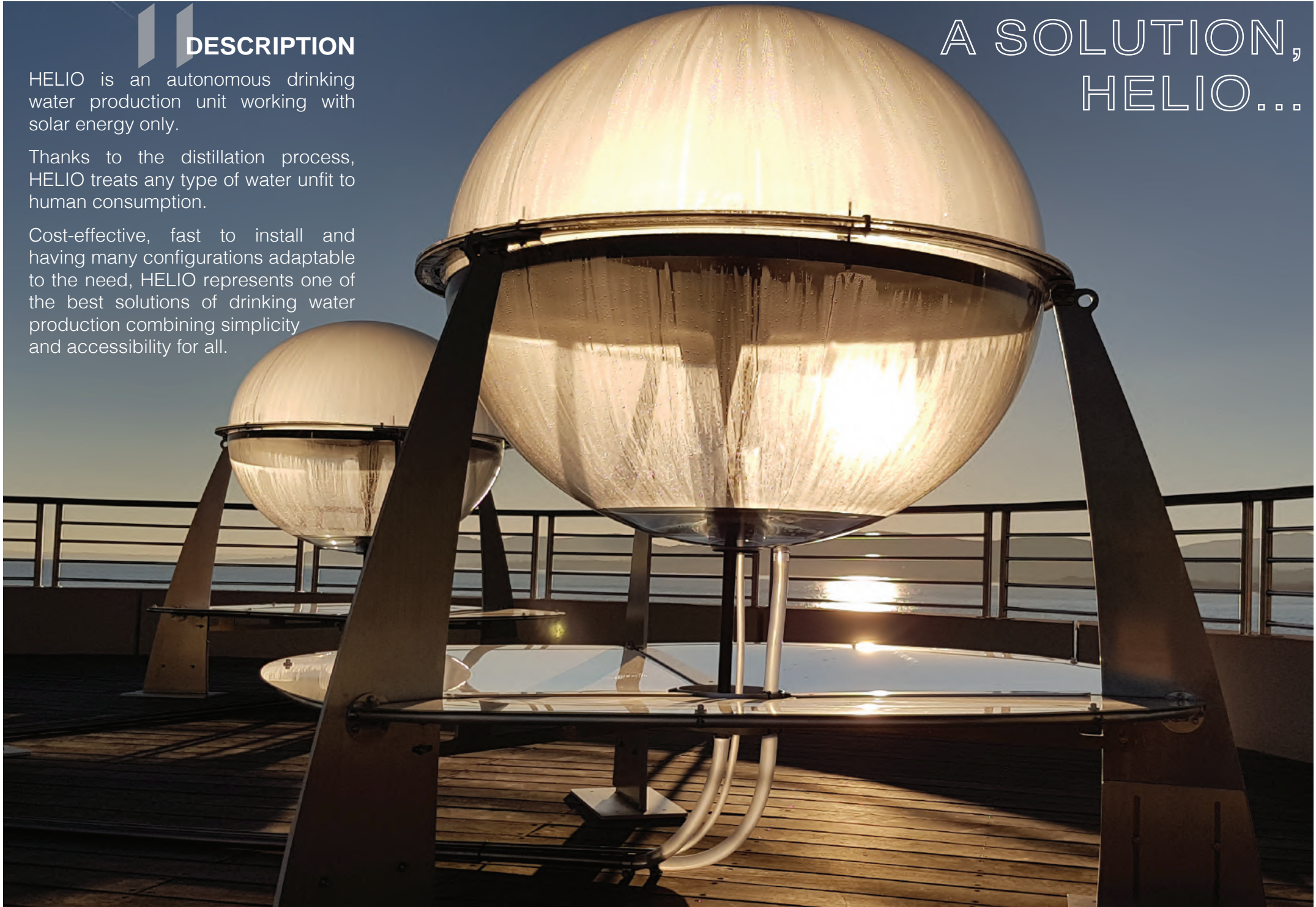
DESCRIPTION

HELIO is an autonomous drinking water production unit working with solar energy only.

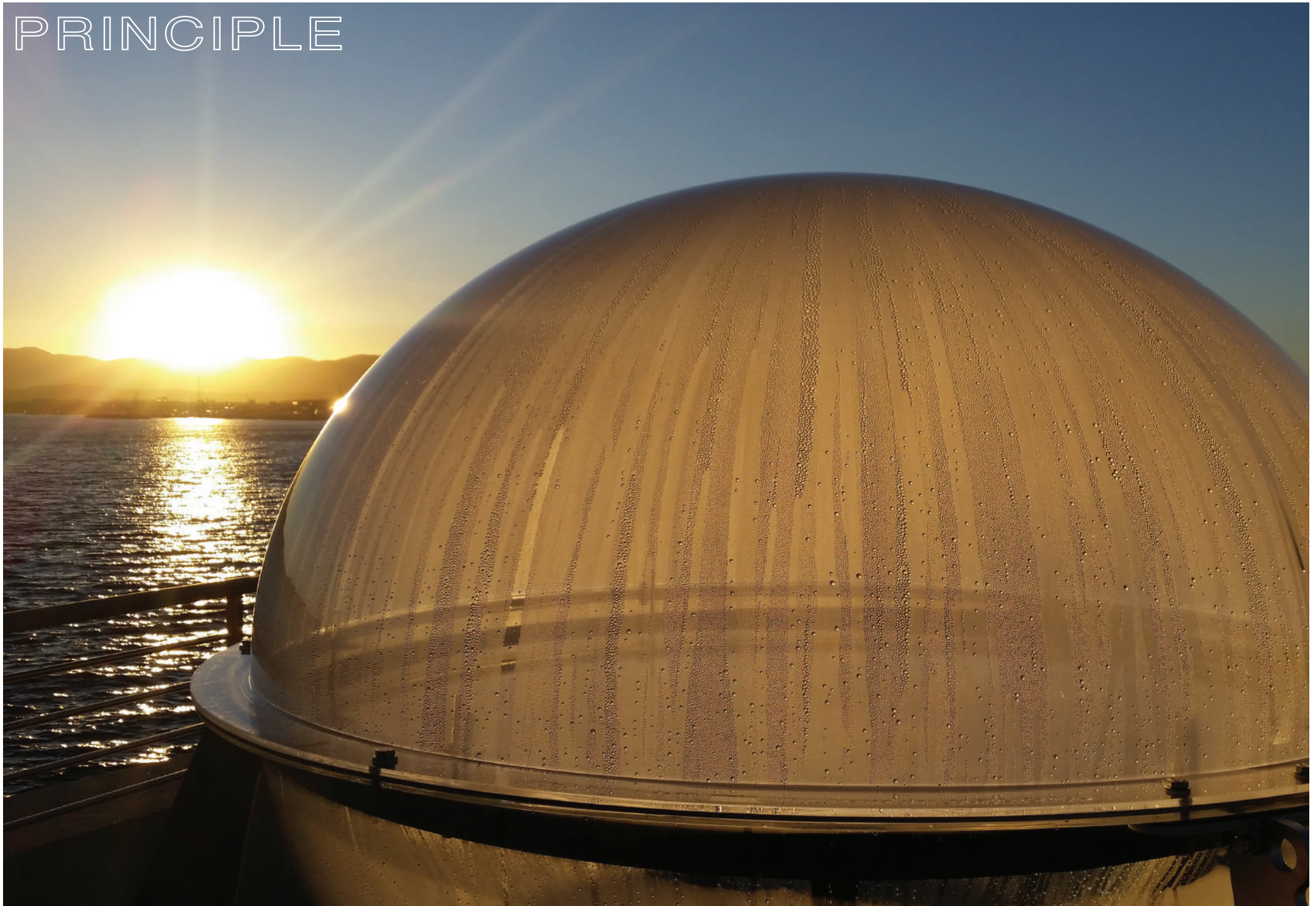
Thanks to the distillation process, HELIO treats any type of water unfit to human consumption.

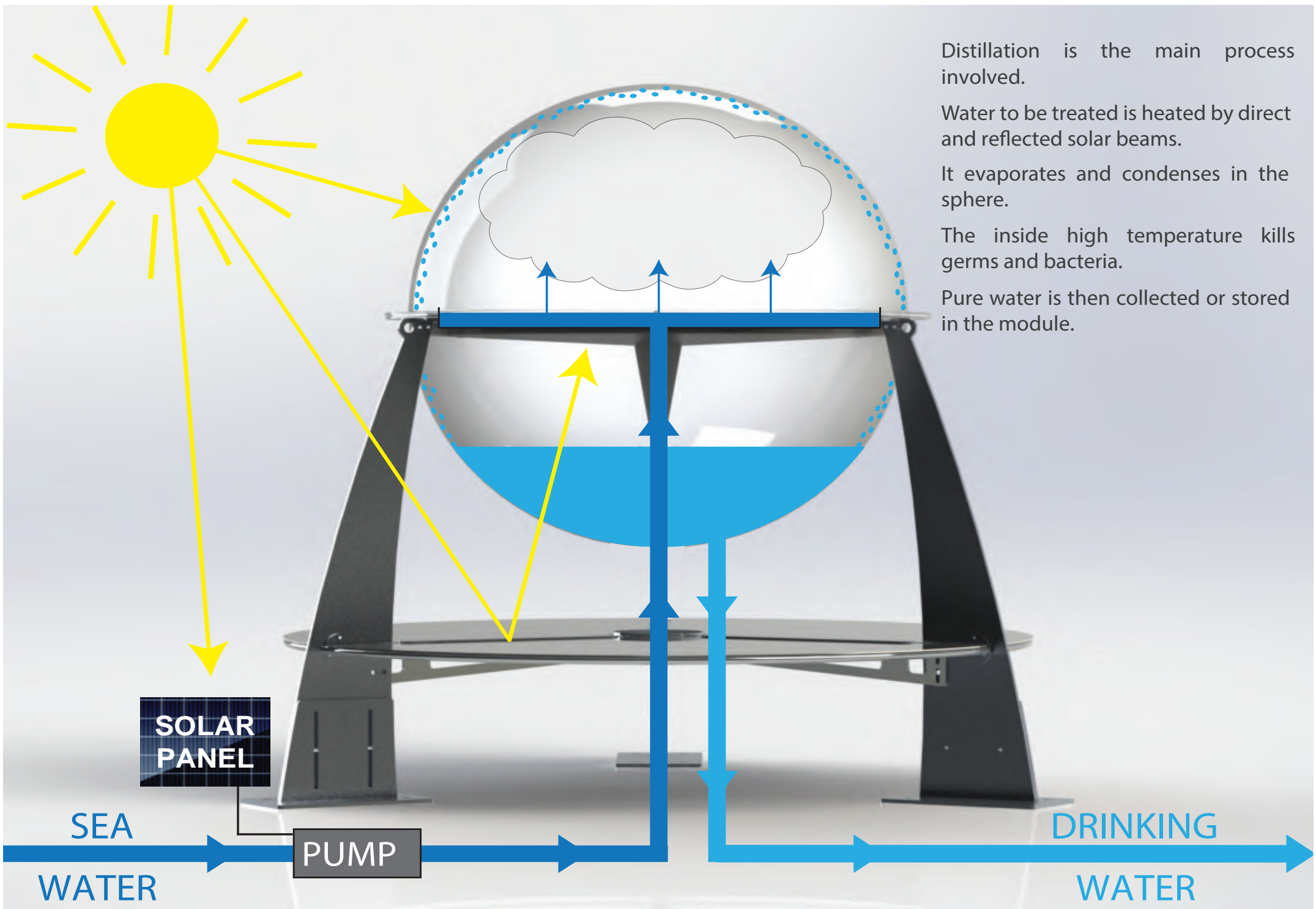
Cost-effective, fast to install and having many configurations adaptable to the need, HELIO represents one of the best solutions of drinking water production combining simplicity and accessibility for all.

A SOLUTION,
HELIO...



PRINCIPLE





Distillation is the main process involved.

Water to be treated is heated by direct and reflected solar beams.

It evaporates and condenses in the sphere.

The inside high temperature kills germs and bacteria.

Pure water is then collected or stored in the module.

CONFIGURATION ON DEMAND...



A farm is composed of several modules in order to match the water demand.

Therefore, numerous configurations are possible.



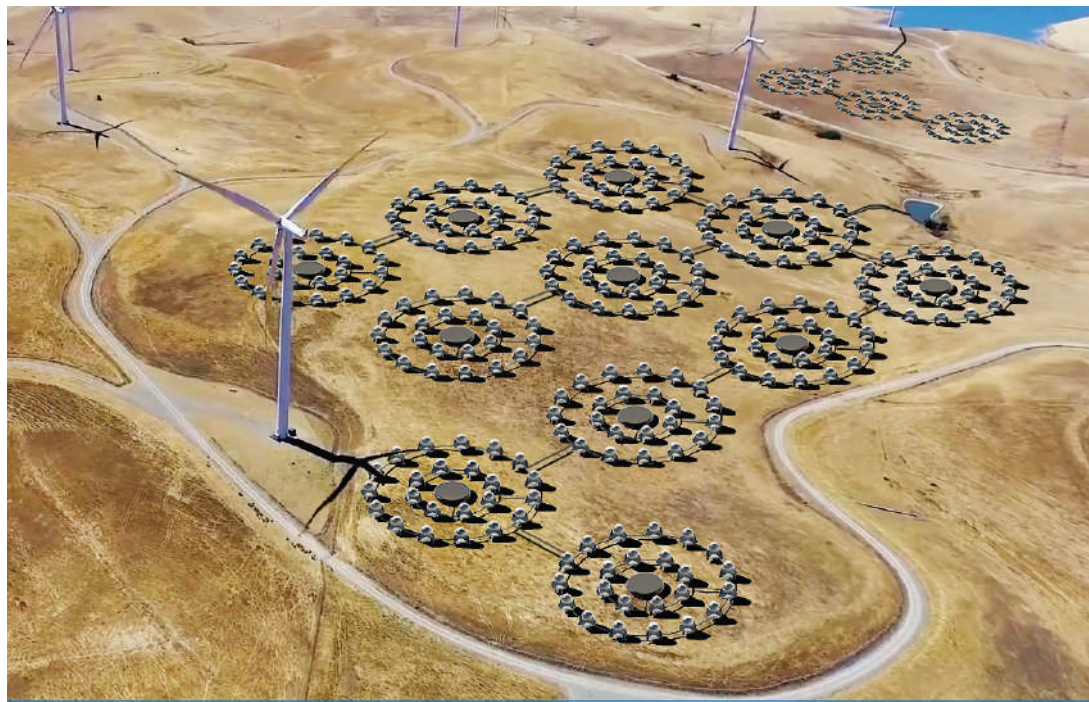
FOR A FAMILY OF 5 PERSONS



FOR 25 PERSONS

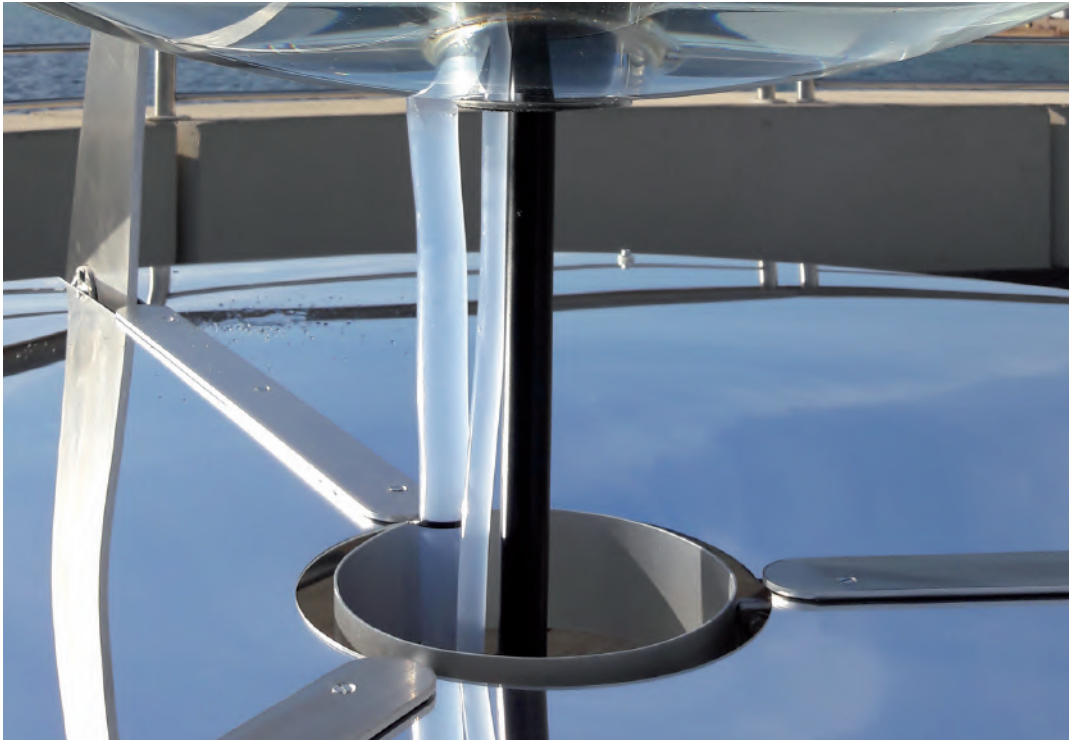


FOR 500 PERSONS

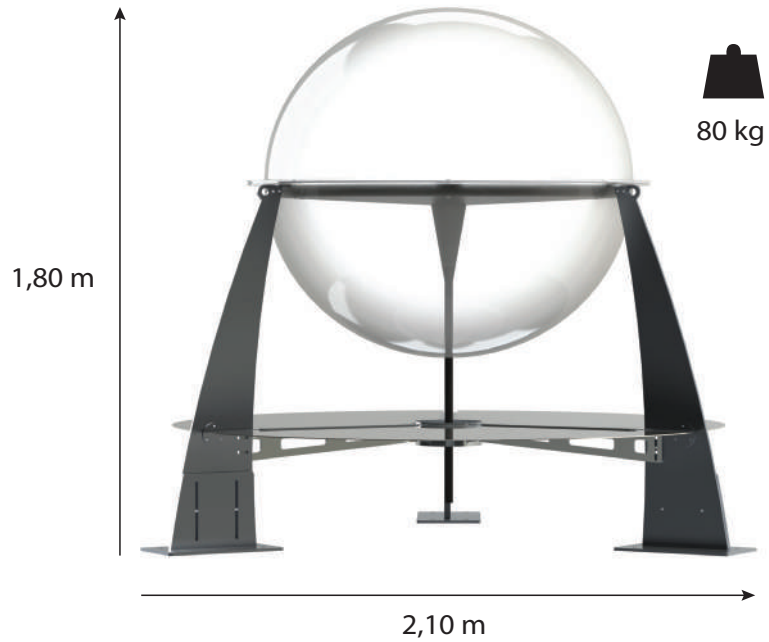


FOR 7 500 PERSONS



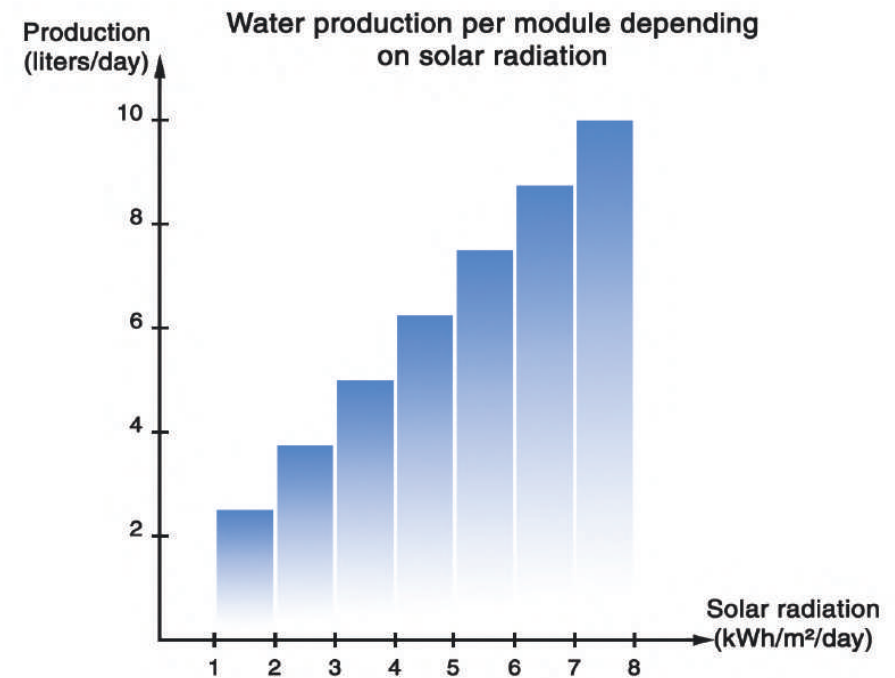
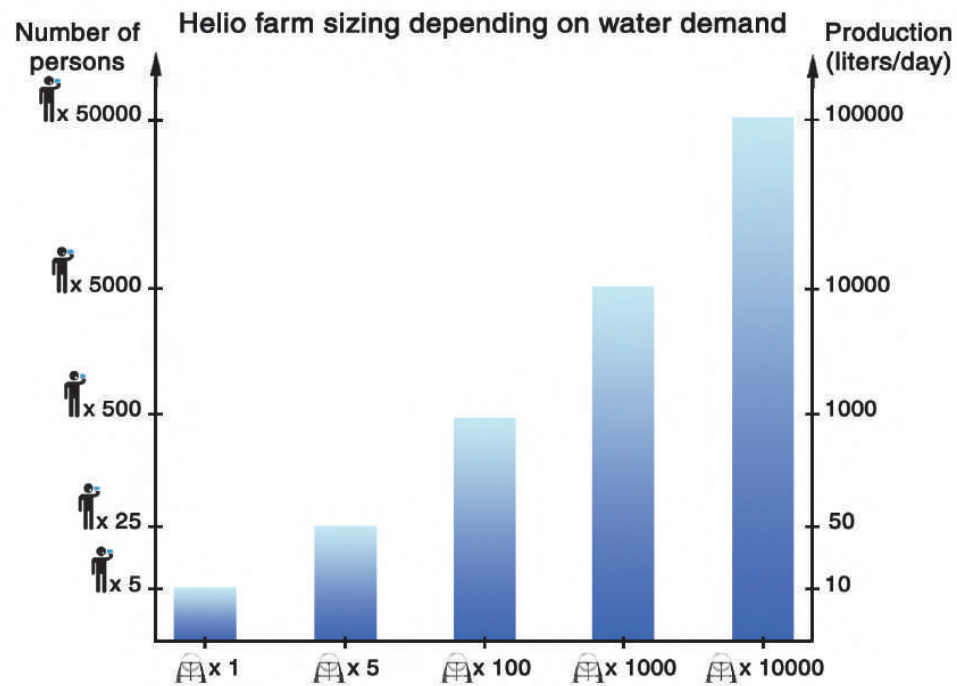


SPECIFICATIONS



- ▶ The effective module surface is 4 m^2 .
- ▶ Easy access for maintenance.
- ▶ The materials constituting HELIO have a 30 years lifetime.
- ▶ HELIO is weather and storm resistant.

PERFORMANCES



- ▶ One module produces up to 10 liters per day.
- ▶ Easy and quick to install (2 hours per module).
- ▶ Very low maintenance.
- ▶ Modules can be easily added to a farm to match the water demand.

BENEFITS



ONE OF THE CHEAPEST WATER IN THE WORLD

The simplicity and the long lifetime of the system make HELIO a cost-effective solution. HELIO uses renewable energies only, which reduces the running cost.



TREATS ANY TYPE OF WATER

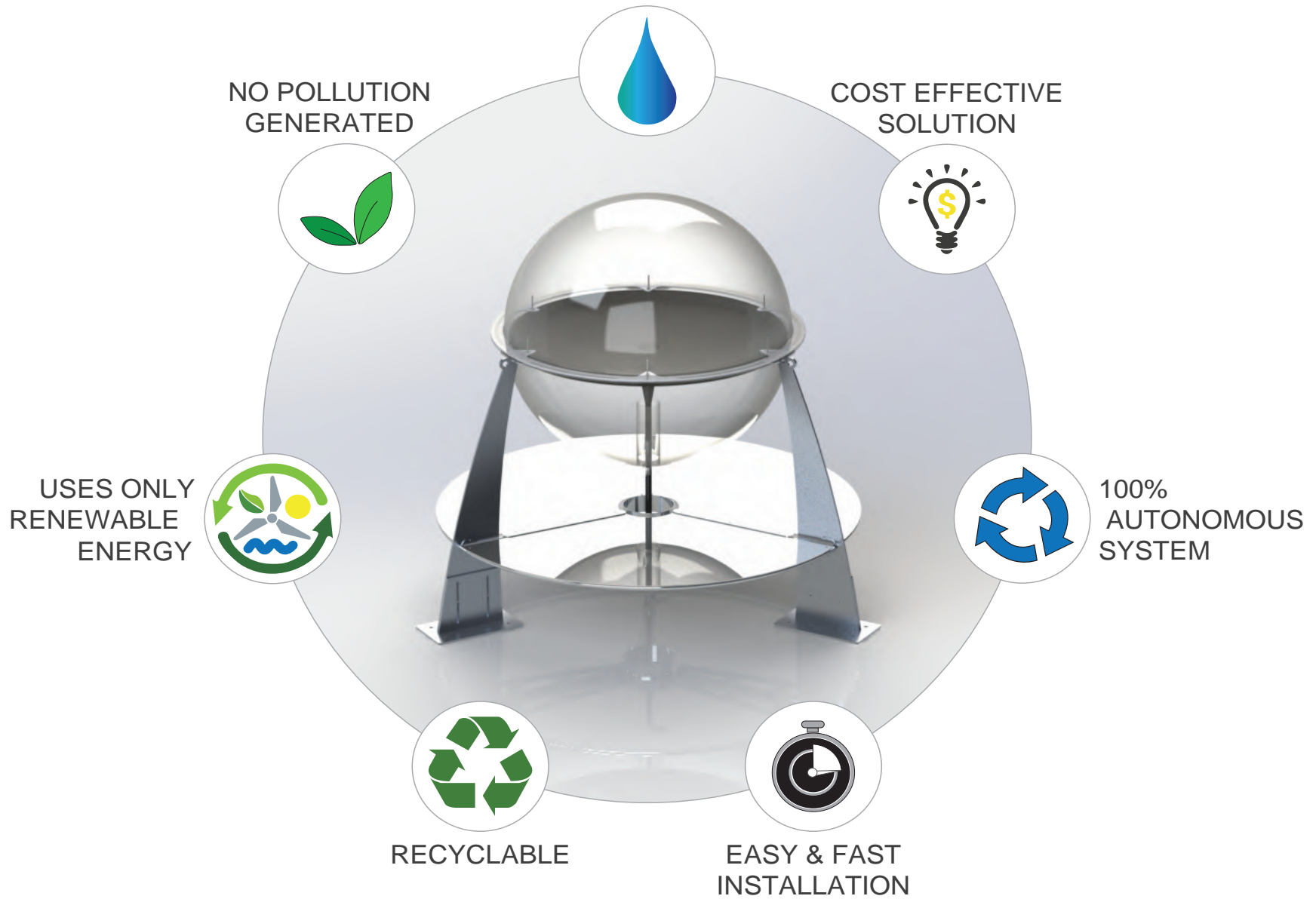
Thanks to the distillation process, HELIO can treat any type of water. To make water drinkable, the system adds minerals.



WATER FOR ALL

HELIO improves access to water in areas suffering from water scarcity. Thanks to HELIO, local populations can produce their own water on site.

TREATS ANY TYPE OF WATER



PROJECT SUPPORTED BY:





HELIO WATER

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