

Discover Our Technology

Our approach combines the precision of advanced German engineering with the ingenuity of sustainable technology to deliver water of the highest purity.

100% Solar

Utilizes solar energy to operate efficiently, reducing carbon footprint and operational costs.

Higher Recovery

Our systems use cutting-edge technology to achieve up to 90% recovery rates, reducing waste.

Remote Controlling

Offers real-time system management and adjustments from any global location.

Tailored Made

We customize each system to client specifications, offering both hybrid and fully solar options.

Pure Water Output

Final disinfection with UV and Ozone meets WHO standards.

General Specifications

Capacity	from 1,000l/h up to 100,000l/h
Filtration Technology	Simplified reverse osmosis (RO)
Membrane	Low/High pressure RO membrane
Raw water source	Seawater, brackish water, surface water, waste-water
Contamination	Organic and inorganic, fluoride, chloride, salinity up to 50,000 TDS.
Quality of Produced Water	TDS: 1 ppm - 200 ppm
Controlling System	Remote Monitoring / Remote controlling

Contact us

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Visit our projects

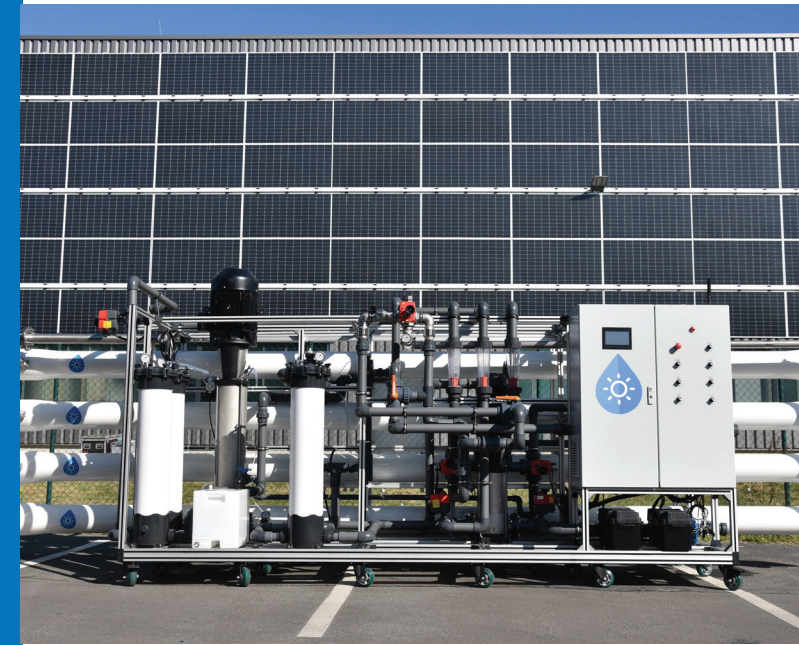
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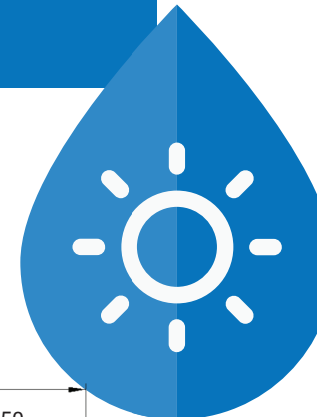
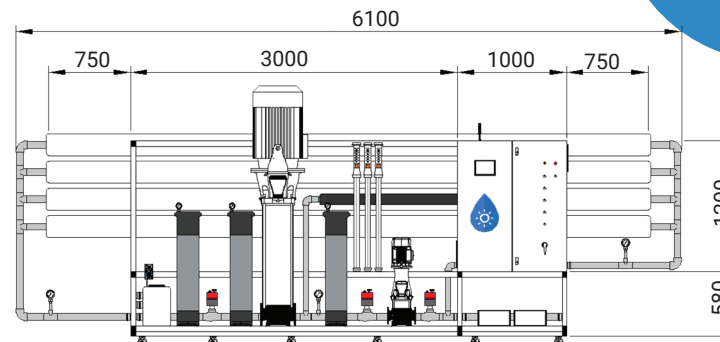
GERMAN SDG-AWARD
& UNIDO INNOVATION



BOREAL LIGHT



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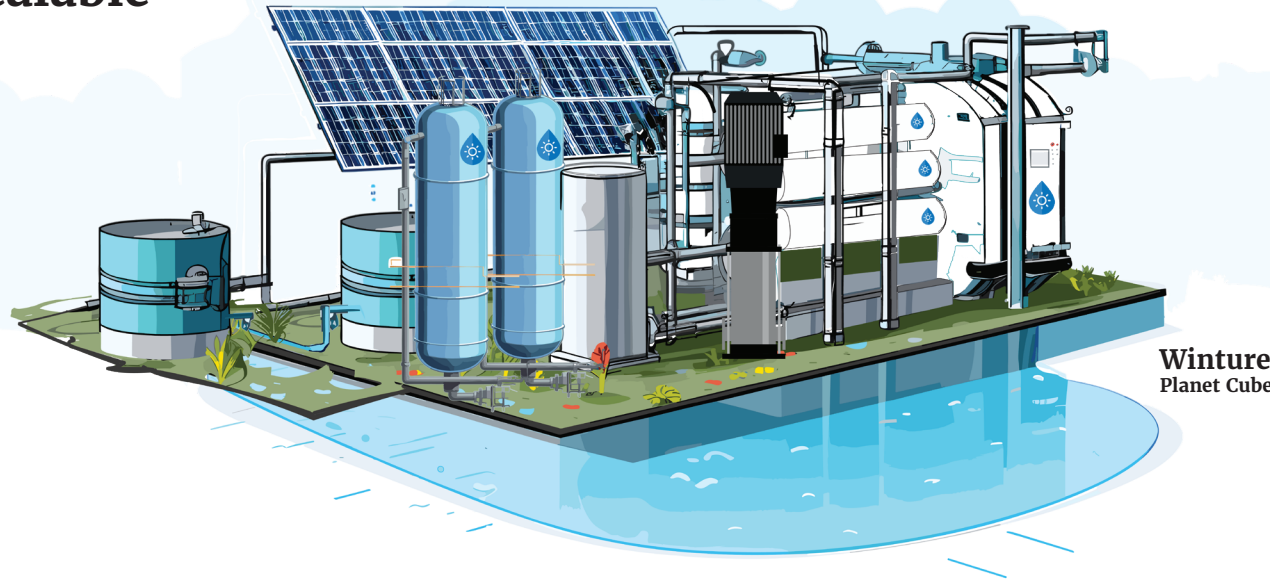
AFFORDABLE SOLAR WATER DESALINATION

made
in
Germany

WaterKiosk
www.winture.de



Modular & scalable



What makes us stand out?

Simplicity – Our technology is user-friendly; over 80% of maintenance can be managed with just a wrench and screwdriver.

Affordability – Produce 1000 liters of water for only 0.50 euros, significantly reducing drinking water costs.

Off-grid – Our solar-powered systems operate without the need for costly battery banks, inverters, or diesel engines.

up to $100\text{m}^3/\text{h}$

Produces between 1m^3 and 100m^3 per hour.

High salinity

From brackish and seawater to industrial wastewater.

up to 90 %

of recovery, based on the raw water source.

Direct-Drive Solar

It supports hybrid operation for continuous day and night performance.

Holistic Approach

Our brine disposal system sustainably repurposes brine for fish and algae farming and sanitation. We offer an add-on vertical farm module that automatically irrigates the plants, optimizing food production by using less water, integral to our vision of a sustainable, circular economy.

