



# BOSAQ<sup>®</sup>

The sustainable water company



## DRINKING WATER ANYWHERE, ANYTIME

The world's most compact and user-friendly  
off-grid drinking water purification system.

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## DECENTRALIZED DRINKING WATER PURIFICATION SYSTEM



The SolarAQ I is a modular drinking water purification supply designed for easy dispatching and maintenance. The systems purify all types of water into drinking water quality by means of renewable energy making them operate anywhere in the world including the most off-grid areas.

Flow Rate	30-300 L/h
Drinking water production capacity	0,3 - 3 m <sup>3</sup> /d
Installed Solar PV Panels	200- 600 W
Battery Capacity	4 - 12 hours
Energy Consumption	35 - 350 W
Max. suction lift *With submersible pump	3-10* m
Max. pumping lift	5 m
Type of source	Rain, Sea, Lake, River
Population served	20 - 200
Weight	55 Kg excl. PV Panels

## THE PURIFICATION PROCESS

Depending on the available water source, different configurations are possible in which technologies are applied in a multi-barrier purification process.

- 💧 Pre-filtration, which removes suspended solids and organics from the water drawn into the device,
- 💧 Membrane filtration based on ultrafiltration, nanofiltration and/or reverse osmosis, which removes all bacteria, viruses, heavy metals and salts (if desired) to yield pure drinking water (cleaning of the membranes is performed automatically)
- 💧 A final disinfection at the exit point is done via robust LED-UV technology, yielding drinking water that meets the highest drinking water standards



Your communities will always have a guaranteed access to drinking water of the best quality without the need for an additional energy source.

HELPING GOVERNMENTS TACKLING THE DRINKING WATER CHALLENGES WITH A RELIABLE AND FUTURE-PROOF OFF-GRID SOLUTION.

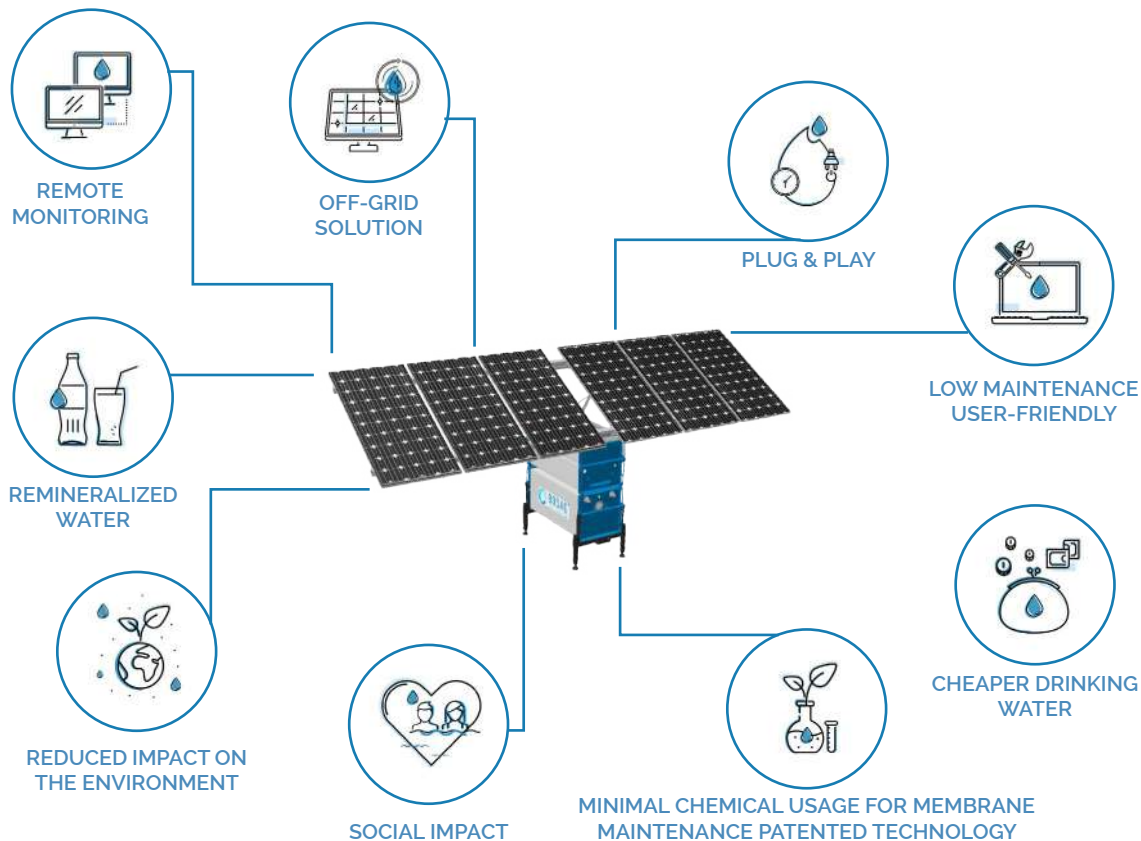




## BENEFITS

The smart integration of the water purification unit, solar power and battery pack in SolarAQ I allow easy transport, delivery and set-up. This means you can start producing drinking water instantly. The SolarAQ I is also equipped with cloud connectivity technologies allowing our engineering team to remotely handle and predict upcoming maintenance requirement. This ensures you the best support tailored to your needs.

There is also a possibility to charge the SolarAQ via the electricity grid and each device has USB connectors to charge mobile phone



10 % of our  
profit go  
to Water  
Heroes!



WATER  
HEROES



*By using our solutions, you give vulnerable communities the chance to access a steady source of drinking water using BOSAQ technologies.*

More info at  
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## Partners

