



CONTAINERIZED SOLAR POWERED SOLUTION FOR SEAWATER AND BRACKISH WATER DESALINATION

Solution designed for a quick installation and commissioning in a humanitarian, military or natural disaster relief aid context.

Autonomous production from a single 20 ft container using solar energy for a drinking water production ranging between 5 to 100 m³ per day.

ALL IN ONE SOLUTION IN A SINGLE 20 FT CONTAINER

For an easy deployment and an optimized operation with minimized operating costs with no energy expenditure:

- ✓ Combination of two industrial solutions: OSMOSUN® & MOBIL-WATT®.
- ✓ Solar plant of 5 to 22 kWp.
- ✓ Skid mounted reverse osmosis unit including pre & post treatment.
- ✓ No battery or energy storage.



Autonomous water production in one single container.



On site commissioning in less than 24 hours.



No civil works required on site.



FINANCING

OSMO-WATT® is suitable for different procurement types, from purchase, rental, or activity of water supply services over short to long-term periods.



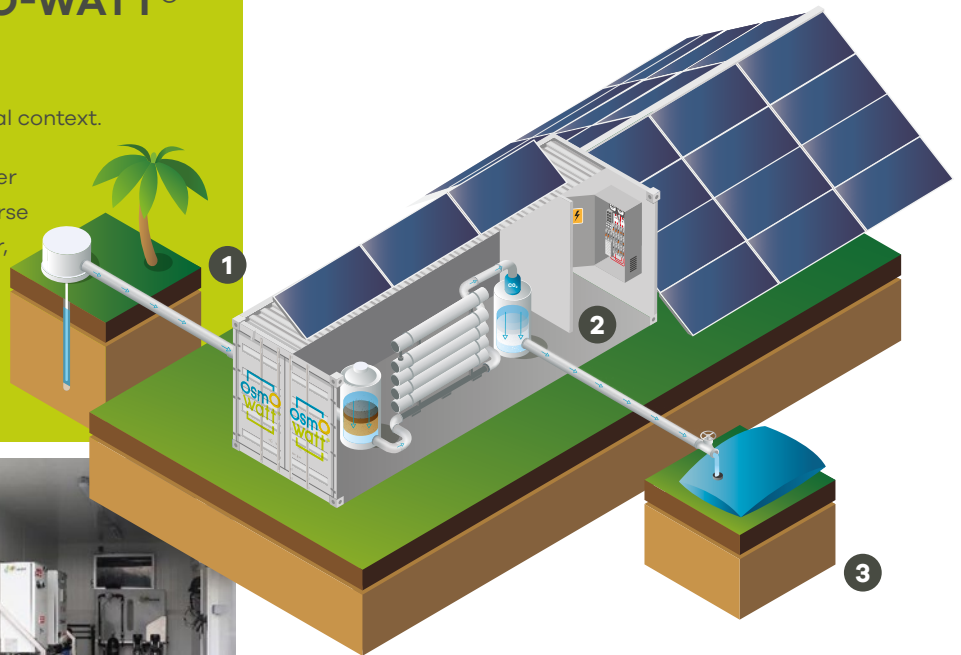
OPERATION

The networks of partners of MASCARA NT and ECOSUN offer operation and maintenance services for every region of implementation.

FOR MOBILE OR STATIONARY USE!

HOW DOES OSMO-WATT® WORK?

- 1 Water intake adapted to local context.
- 2 Integrated all in one container including skid mounted reverse osmosis unit, solar generator, pre & post treatments.
- 3 Water storage and distribution.



PRODUCTION CAPACITY AND MAIN FEATURES OF THE OSMO-WATT® TURNKEY SOLUTION

UNIT TYPE	RAW WATER TYPE	PRODUCTION			MOBIL-WATT® (kWe)	REQUIREMENT (M²)
		M³/HOUR	SOLAR M³/DAY	HYBRID* M³/DAY		
OSMO-WATT® 1.3 SW	Sea Water	1,3	9	28	11	130
OSMO-WATT® 2.6 SW	Sea Water	2,6	18	56	22	260
OSMO-WATT® 0,75 BW	Brackish Water	0.75	5	16	4	70
OSMO-WATT® 3 BW	Brackish Water	3	21	65	11	130
OSMO-WATT® 6 BW	Brackish Water	6	42	130	22	260

*Hybrid mode: each unit can be connected to the grid or an alternative energy source to produce up to 24h/d and triple the water production.
 NB: In remote contexts, the consumption of drinking water per person varies between 10 and 50 liters on average per day.



Plug and Play



Telemonitoring



Hurricane-proof

OSMO-WATT® IS A MODULAR SOLUTION RESULTING FROM TWO INDUSTRIAL EXPERTISE



MASCARA NT is specialized in innovative water treatment solutions powered by renewable energy.



ECOSUN is specialized in plug & play containerized solar solution.

DESIGNED AND MANUFACTURED IN FRANCE TO QUICKLY AND SUSTAINABLY DELIVER WATER IN ANY CONTEXT.