

WATER AUTONOMY AND RESILIENCE FROM DECENTRALIZED AND RENEWABLE INFRASTRUCTURE, LOW COST.

WE HARNESS THE ABUNDANCE OF SUN AND SALT WATER TO PROVIDE EVERYONE WITH CLEAN WATER.

WATER RESILIENCE

From 100 TO 5,000 M3 OF FRESH WATER PER DAY, EVEN IN THE MOST REMOTE AREAS



We are an Independent Water Producer (IWP) with proven experience in Africa.



Alternative clean bulk water supply for all needs through fully-financed projects (no upfront investment)



Powered by Solar Energy



Seawater or Brackish Water treatment



The Witsand Water Production Unit

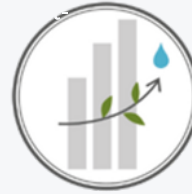
Africa's first solar desalination plant



Daily production of 120,000 liters powered by 100% solar energy
 Up to 330,000 liters with hybrid energy sources (Solar and Grid)
 Installed and commissioned by TWS in 10 weeks
 Cheaper than regulated tariffs
Project owned by Hessequa Municipality, operated by TWS



FLEXIBLE
 Off & On Grid
 100% Solar Energy
 or Hybrid (grid/battery)



STRONG ECONOMIC COMPETITIVENESS
 Return on investment from 3 to 5 years with one of the lowest water costs



LOW ENERGY CONSUMPTION
 2,5 kWh/m³ : lowest level of advanced desalination technologies

ADDRESS YOUR WATER CHALLENGES...

Water is life and Development !

- A large number of municipalities in South Africa are facing water challenges, both stressed supply and freshwater degradation
- Water availability limits development and generate opportunity costs
- Water Resilience is key to investment
- Energy Cost can be up to half the cost of water

...WITH OUR TOTAL WATER MANAGEMENT SOLUTIONS

We provide decentralized solar powered water solution

- Independent and abundant water supply with guaranteed quality and quantity for long term security of operation
- No upfront investment required / 'off-balance sheet financing', Reduced energy requirements, OPEX and carbon emissions
- Water Resilient also to power shortage
- Shared Value and Community Development

How we do it?



Innovative Technology : lowest electricity consumption and Solar Only mode. With OSMOSUN®, TWS can produce from 600 to 10,000 m³ per day (Solar or Hybrid Mode) of affordable, clean and drinkable water everywhere to everyone, from Sea or Brackish Water.

OPERATING COSTS OVER THE 20 YEARS OF USE : OSMOSUN® VS. CONVENTIONAL DESALINATION



Illustration of the OSMOSUN® competitiveness over the 20 years of operations in a context of electricity cost over 1R/kWh

Contact us

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