



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.

## RENEWABLE WATER FOR ESTATES & RESORTS

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.



We provide our customers with alternative clean water supply for all their needs through fully-financed projects (no upfront investment)



Our solutions are sustainable, scalable, competitive and decentralized



We offer B-BBEE compliant solutions through our partnership with our South African investment partner AST



# 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



**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/m<sup>3</sup> : lowest level of advanced desalination technologies

### ADDRESS YOUR WATER CHALLENGES...

Water is life .... and pleasure !

- A large number of private estates in Africa are facing water challenges, both stressed supply and freshwater degradation
- Water availability limits development and generate opportunity costs
- Water is expensive
- Cleanliness is key in Estates/hotels
- 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
- Cheaper than Regulated prices
- 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 m<sup>3</sup> 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

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