



Autonomous and reliable station



10 to 30 m³/day



Improved health

→ The connected solar station for drinking water supply in rural communities

The range of **Pump&Drink** stations, designed, developed and improved by Sotrad over the last past 10 years, aims to offer sustainable and turnkey solutions for the supply of drinking water to rural communities. These stations are used to equip new boreholes and wells or to replace defective manual pumps. This solar range is the ideal solution to bring treated and drinking water as close as possible to populations that need it the most.



→ The **Pump&Drink** unit is composed of 4 parts :

1 Solar pumping of raw water thanks to solar panels and a PSOL pump from our range:

- 2480 Wp solar power
- 1500W DC brushless pump



2 Full treatment line to provide drinking water accordingly to the WHO guidelines:

- 25 microns filtration
- Impulse water meter
- Proportional Chlorine injection for disinfection and residual dosing



3 Drinking water distribution throughout day thanks to:

- 8m³ elevated drinking water tank
- Gravity water distribution by a ramp of 6 taps (4 self-closing taps for ground-filling and 2 taps for filling at height)
- Solar lightning pole for distribution after sunset

4 Remote data management. In order to facilitate monitoring, each station is equipped with a data transfer box:

- Water production
- Maintenance monitoring
- Manager contact details
- Geographical location
- Etc.



Inexhaustible power source



Village and semi-rural populations from 200 to 2000 people



Sources: well and borehole water, up to 80m deep (standard version)



Treatment capacity : 10 to 30m³/day



Long lifespan and low maintenance

