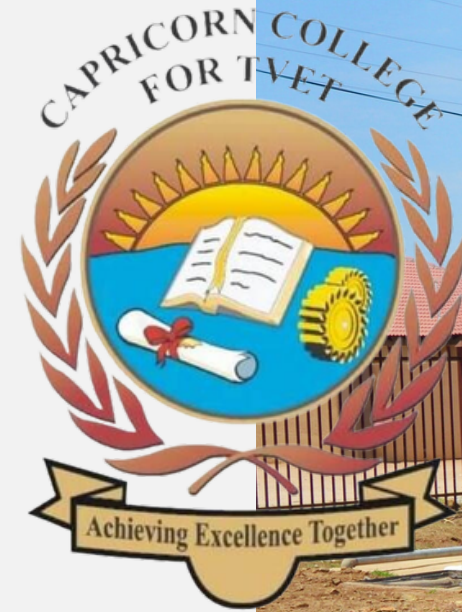


Community rural water supply

Containerised water treatment plant with reverse osmosis



Problem Statement

Many rural communities across Africa do not have access to a reliable municipal water supply and rely on borehole water to meet their daily needs. However, borehole water often contains high levels of dissolved salts, hardness and metals that must be removed before it is safe for use. These sites are frequently remote, with limited infrastructure, making conventional water treatment systems difficult to install and operate.

Solution

Watericon designs, manufactures and supplies containerised package water treatment plants that convert untreated borehole water into high-quality potable water. Engineered as fully integrated plug-and-play systems, the plants are delivered ready for installation, requiring only transport to site and utility connections.



Savings

- Watericon's rapid design, build and installed containerised water treatment plants are a quick and effective solution to water issues in rural locations.



Performance Target

SANS 241 – Drinking water specification
High recovery >75%



Process

- Oxidation/ Disinfection
- Chemical Dosing
- Settling
- Multimedia filtration, adsorption and softening
- Reverse Osmosis



Innovation

Watericon offers generators or solar systems when electricity is not available. These water treatment plants can be used by the facility to generate income through the sale of bottled drinking water to the surrounding community.