



Witsand Desalination Plant

Witsand, Western Cape, South Africa



Project Details

Client:	Hessequa Municipality
Project Type:	BOT (Bulk Water Supply)
Initiated:	May 2017
Completed:	December 2018
Design Capacity:	350 m ³ /d
Project Value:	CAPEX ZAR 11m

Project Description

IWS designed, procured, installed, and commissioned Africa's first solar powered desalination plant, in the town of Witsand in the Western Cape of South Africa. This project, co-funded by the French Treasury brought relief to this drought-stricken area by providing 350,000 litres of drinkable water each day. Powered by Mascara's OSMOSUN technology, the plant maximises its capacity during the day to ensure the efficient use of electricity in the production of potable water. IWS has been operating and maintaining this plant for 3 years and is currently negotiating renewal of services. The facility is connected to IWS remote monitoring platform.

Project Impact

