



Phillipstown Solar-Powered Borehole Project

Phillipstown, Northern Cape, South Africa



Project Details

Client:	Dtrio Consulting Engineering and Mulilo
Project Type:	EPC
Initiated:	October 2020
Completed:	March 2021
Design Capacity:	1.2 ML/d
Project Value:	CAPEX ZAR 5m

Project Description

IWS procured, installed, and commissioned 5 solar-powered borehole pumps in Philipstown. Altogether, this project provides water security to the town by pumping 1,000,000 litres of water to the town reservoir each day. The pumps run for 12 hours each day, maximising the use of PV during this time, thereby reducing electrical consumption, and overall reliance on grid power. The project also implemented state of the art monitoring hardware which provides real-time feedback on the functioning of the boreholes. After the successful implementation, IWS entered a 3-year maintenance contract with the client due to end in March 2024. This project has been funded through private sector CSR commitment, in support of the municipality and IWS was selected in a competitive process.

Project Impact

