



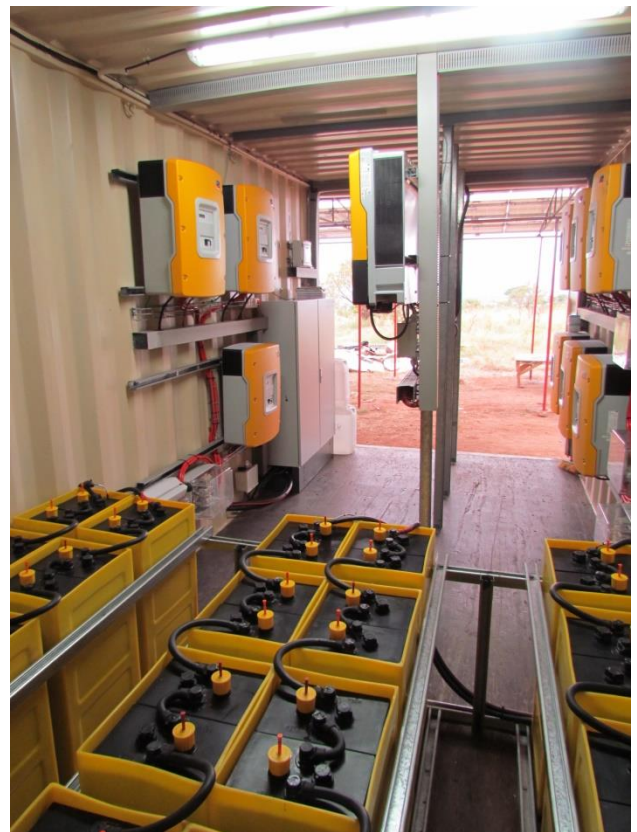
Project Portfolio



Client: Tourvest
Project Details: 45kWp solar PV/diesel hybrid power system
Solar/heat pump hot water with ring main circulation
Site electrical reticulation

1Energy/Freepower designed, supplied installed the electrical power and water heating systems for this new, 15-key luxury tented camp in the Northern Serengeti. The system was installed in November 2012, with additional capacity added in June 2014 to accommodate further guest capacity

Self-contained, factory-assembled power units housing batteries, inverters and system controls



The solar PV array of 45kWp power supplies 70% of the Camp's annual power requirements. The solar array serves is constructed as a carport for game-viewing vehicles, and provides shading for power and storage containers.



Back of house and front of house central areas supplied with hot water from a hybrid solar/heat pump solution, bulk hot water stores and a centralised ring-main hot water supply



1Energy and Freepower design, engineer and install renewable energy and efficiency solutions in Southern Africa. Enquiries info@1energy.co.za, +27 21 510-8405

