

ANDBEYOND SANDIBE OKAVANGO SAFARI LODGE- RELIABLE POWER SUPPLY BY SOLAR PV + BATTERY STORAGE



New Southern Energy (NSE) is a South-African based leading full-service renewable energy provider for distributed energy projects throughout Africa. Since 2014, a 100 kWp PV system planned and installed by NSE helps the five-star resort andBeyond Sandibe Okavango Safari Lodge in Botswana to save 100,000 liters of Diesel per year.

The solar system consists of Yingli 240Wp modules, SMA PV inverters and battery inverters. The consumption of Diesel fuel is reduced significantly since power is provided by the PV plant. Even during the night, PV energy from the batteries can supply the lodge with clean energy. SMA Multiclusster System with Sunny Island was the obvious choice for this system due to the reliability of the products given the remote location in Botswana.

Project “andBeyond Sandibe Okavango Safari Lodge”

- Location: Botswana – Okavango Delta
- Commissioning: August 2014
- Specific requirements: Torrential downpours, excessive heat, harsh logistics

Plant information

- Installed PV power: 100 kWp
- Annual energy yield: 164.386 kWh
- Reduction in CO2: 134 tons
- Annual diesel savings: 100.000 liters

SMA System Technology

- 12 Sunny Island 5048
- 2 SMA Sunny TriPower 20000TL-30
- 3 SMA Sunny TriPower 15000TL-30
- 1 SMA Sunny TriPower 8000TL-30
- 1 MC-Box.12.3-11

SMA System Solutions for hybrid applications

