

Hospital Albert Schweitzer, Haiti

CUSTOMER	Albert Schweitzer Hospital
LOCATION	Deschapelles, Haiti
ENERGY STORAGE SYSTEM	QMedium 200 kW / 227 kWh
APPLICATIONS	Increasing renewable energy and diesel savings
COMMISSIONED	2017



OPPORTUNITY

The 131-bed Hospital Albert Schweitzer located in Deschapelles, Haiti is the only 24/7 full-service hospital in the region that serves a population of more than 350,000 people. The hospital runs on diesel generators, costing approximately 350,000 USD per year. By substituting diesel power with solar energy and battery storage the hospital can significantly reduce the costs of energy.

SOLUTION

Qinous installed a QMedium Energy Storage System of 200 kW / 227 kWh. The system was delivered completely pre-installed and factory tested including the Qinous Micro-grid Energy Management System (MEMS) which controls the battery, the PV plant, and the generators for optimal operation.

RESULTS

The Qinous Energy Storage System is used to shift the solar peaks to the evenings and controls the four generators for optimal operation. Thanks to the Qinous ESS, the diesel generators can be shut down during the peak solar hours. The savings from solar and storage are expected to be around 250,000 USD per year.

