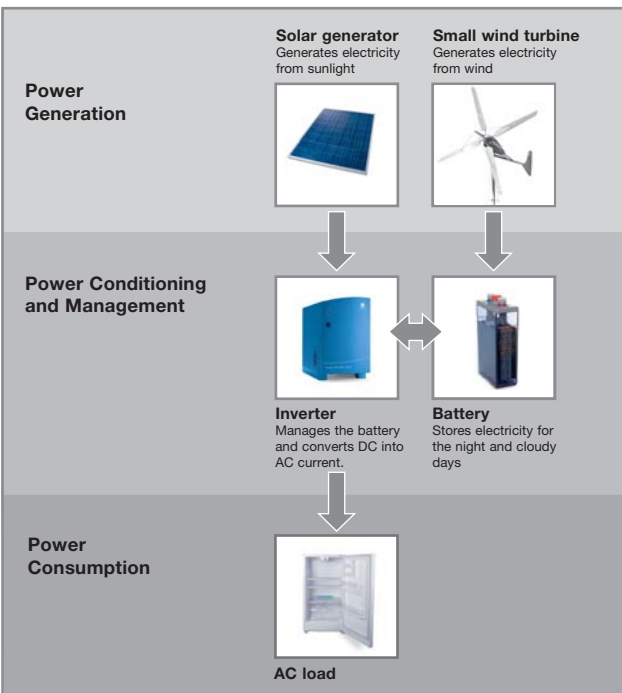


Eco-friendly Off-grid power for an island resort



Carabao is a small island in the province of Romblon/ Philippines that is not connected to a public power grid. The owners of an island resort decided not to use a diesel generator but supply their tourist lodge with eco-friendly energy instead. Conergy provided a 480Wp photovoltaic system, a 400W wind turbine, a 675Ah/48V battery bank as well as a 1.5kW inverter to generate electricity for lighting, refrigeration, communication and entertainment devices. The reliable and economic system benefits the environment by avoiding noise and air pollution and creates independence from rising fuel costs.



Data

Construction date	2001
Location	Carabao Island, Romblon/ Philippines
Client	Carabao Island Resort
Power generation	480 Wp solar generator
Power conditioning and management	1.5 kW inverter, 32.5 kWh battery bank (675 Ah/ 48 V)
Power consumption	Lighting, refrigeration, communication and entertainment devices