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Mt Gorda Transmitter Station Virgin Gorda, BVI

Using off-grid technology with solar PV to bring communication to the British Virgin Islands

A transmission system was installed on top of Mount Gorda in order to provide emergency communication systems across Virgin Gorda and surrounding islands of the British Virgin Islands through multiple channels. The set up provides radio, fm and vhf which for the first time ever will allow the north of the island to communicate with the south.




Previously in the event of emergencies those in the north have had to travel to the south to seek assistance from both the ambulance and fire service along with search and rescue. This not only now enables this to happen instantaneously in people's time of need but also provide early warning in the event of natural disasters such as Hurricane Irma which recently devastated the island.

“Providing critical transmitter services in post disaster relief provides an excellent venue for this technology to be showcased. Off-grid and flexible in a variable environment.” Project Manager, Your Eco Construction




Team Rubicon and Serve On cleared kilometers of debris post the hurricane by hand to the peak of Mount Gorda to facilitate a path and enable this kit being taken to the summit. Serve On have since established the transmission system itself and sought assistance from ourselves to provide an off-grid system to meet with their needs and power this critical infrastructure.

System overview

Supplying 2 REC 275 Wp solar panels, a Blue Solar 35A Charge Controller, Victron Phoenix inverter with mounting system

	System size:	2.0 kWp
	Generation:	2,025.9 kWh/year
	CO ₂ savings:	1,252 kg/year

Please contact the office on the details below to see how we can work with you on fulfilling the obligations of your renewable energy projects.

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