

leaders in solar power

Department of Conservation

○ Great Barrier Island

November 2011 – March 2012

Working with Vector, we won the competitive tender for the solar power systems on Great Barrier Island - at Okiwi Station and Port Fitzroy - for the New Zealand Department of Conservation. Both of these large renewable energy systems are three phase, and we note the key features of the systems below.

Port Fitzroy

System Components

- 21.6 kWp Solar array
- 30 kW of inverting power
- 3648 Amp hours of battery storage @ C2



2 x Conergy Solar Giant

leaders in solar power

The systems have been designed to allow for half of the Port Fitzroy system (48 x solar modules, 1 x STP10000TL, 3 x SI5048 and 1 x battery stack) to be relocated to Okiwi Station and installed there - once the DOC Visitor Centre for Great Barrier relocates to Okiwi.



2 x Clusters of Sunny Islands



2 x Absolyte Stacks

Okiwi Station

System Components

- 9.45 kWp Solar array
- 15 kW of inverting power
- 1824 Amp hours of battery storage @C24



Okiwi Station