

# REID TECHNOLOGY

leaders in solar power

## Department of Conservation

### ○ Raoul Island

November 2011 – April 2012



Raoul Island is New Zealand's northern most territory. It is an extremely remote location with supply visits only twice annually. We were delighted to be chosen by the Department of Conservation to design, supply and install their new renewable energy system in conjunction with our partner, Vector Ltd.

The Raoul system uses solar panels connected to both AC solar inverters – SMA Sunny Boy 3800 – and DC solar charge Controllers – SMA Sunny Island Charger. It is installed in two rows – see the photo above – and it has already survived “unscathed” through a cyclone with 200kmh winds.

### System Components

- 32.32kWp Solar Array
- 20 kW of inverting power
- 9000 Amp Hours of battery storage @C10

