

Hells Point Explosive Ordnance Disposal Training Facility

Project Location: Honiara, Solomon Islands

Client: Willies Electrical and Solar Power for the Australian High Commission

Completed: October 2012

Project Objectives

Provide a standalone solar diesel hybrid power supply system to support an explosive ordnance disposal (EOD) training facility. The site ensures safe storage and disposal of unexploded ordnance from the Second World War, when the area was used to stockpile dangerous munitions. The project also included providing training facilities where local Solomon Islands Police could be trained in the proper handling and disposal of unexploded ordnance. The Hells Point EOD facility is a joint project between the Royal Solomon Islands Police Force, Australian High Commission and the United States Government (Department of State).

Services Provided

Solari Energy (formerly Solar Inception) provided project management, engineering design, software simulation of power and energy flows, CAD documentation and on-site installation and commissioning for a 17.1 kW off-grid hybrid remote area power system including 225 W PV modules, SMA Sunny Island Inverters, 3100 Ah 48 V FLA battery bank, 11 kVA diesel genset and data logging at the Hells Point Explosive Ordnance Disposal Training Area in Honiara, Solomon Islands. Supply line and logistics management, including compliance with Maritime Dangerous Goods requirements, were also part of the service offering.

This project was jointly installed with local Solomon Islands contractor Willies Electrical and Solar Power. Capacity building and local training was provided to local electrical workers throughout the project. These workers now provide the on-site scheduled maintenance, as well as first-level fault finding and system repair. They have also been able to successfully plan and install a number of other SMA based SAPS systems throughout the Solomon Islands.

