Project Overview:

In July, 2008, SunEnergy Power International supported the kick-off of Light Up the World’s project (LUTW) in Papua New Guinea. This project is in honor of Nichola Goddard, a Papua New Guinean born Canadian, who was killed in combat while serving with the Canadian military in Afghanistan.

The total project is planned to take place over 7 years, installing LED lighting systems in over 1,000 health posts throughout at least four provinces in Papua New Guinea. In the first year, 118 systems are planned, with between 150 and 200 systems planned for the remaining 6 years.

SunEnergy Power International is fortunate to have been selected by LUTW as their Implementation Partner to assist in kicking off and overseeing this important project.

Project Design:

The lighting system is based 100% on LED lighting technology. Each clinic will have either 2 or 4 LED lights, which draw 1.8 watts each. There is one 7Ah battery and one 5Watt panel for each pair of lights.

The energy provided by the solar panel will allow the lights to be used 4 hours each evening in normal sunny days.

Project Information:

Location: Goroka & Kiriwina Island in Milne Bay, Papua New Guinea

Lead Project Donor: Light Up the World

Implementing Partner: SunEnergy Power International

Local Project Coordinator: AT Projects, Inc.

Scope of Project: Lighting Systems at 1,100 health centers over 7 years

Start date: July 25th, 2008
Completion date: Approx. 2015

System description: (2) 1.8 W LED lights, 74 lumens at Lens (41 lumens/watt), (1) 7Ah Battery, (1) 5W Solar panel

Initial Provinces: Eastern Highlands, Western Highlands, Morobe, Madang, Milne Bay
**ATProjects, Inc.**

Light Up the World is partnering with the Goroka based NGO, ATProjects (ATP), Inc., to be the lead local partner organization in coordinating this project. ATP will perform the lighting installation in the Eastern Highlands, and in the Port Moresby and island areas, where they are based, and will coordinate with other local NGO’s and organizations throughout the country to complete the installations in other provinces.

**Kick-off Activities:**

This July, SunEnergy Power International and ATProjects, Inc., worked together to launch the project.

We started in Goroka where ATP has their main headquarters complete with fabrication shop. There, we determined the most appropriate methods and materials for the installation in Goroka to prove out and fine tune the procedure. After making the appropriate adjustments, we purchased and fabricated the necessary hardware and materials to be able to complete the initial systems in Milne Bay.

Shirlee Dindillo of ATP and Walt Ratterman of SEPI accompanied Tim and Sally Goddard to Milne Bay. This trip combined with a 25 year celebration at the high school where Tim was the headmaster, along with remembrances of Nichola who lived there and the kick off of the lighting project.

During the 4 days that we were on Kiriwina Island in Milne Bay we were joined by representatives of the Health Department there and successfully completed LED lighting installations at eight health facilities there. Two of the facilities were on more remote islands that were about an hour away by speed boat.

For more information regarding the project in Papua New Guinea, please visit the following websites:

SunEnergy Power International:  [www.sunepi.org](http://www.sunepi.org)

Light Up the World:  [www.lutw.org](http://www.lutw.org)