

# Installation of a Solar Powered Water Supply System and a Solar Battery Charging Station in Rural Cambodia

## Project Objective

This project is aimed at:

- Promoting the use of renewable energy and reducing green-house gas emissions;
- Improving the health conditions in rural communities;
- Improving the standard of living of rural communities through the provision of low cost reliable power.

## Description

There are two main parts in this project: a solar battery charging station (SBCS) and a water pumping system (WPS).

The SBCS is designed to demonstrate how a small scale solar power system can deliver benefits to rural communities. These benefits include the provision of affordable power in homes for lights, communication and other uses.

The WPS will supply clean water to schools and promote the use of clean water among school children towards improving sanitation and hygiene in the communities.

There are 730 households with a population of 3,382 people that will benefit from the project.

## Relevance to Country's Energy and Environment Policies

In Cambodia only about 22% of the population have access to electricity and 94% of the population living in rural areas relies on wood, charcoal, car batteries and kerosene. One of the goals of the Cambodian energy and environment policies is to provide access to quality electricity supply for at least 70% of the total households in the country by 2030. This project is relevant to the policies as all villages will have access to electricity and clean water.

## Project Highlights

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| <b>Project ID</b>                              | : 3-C-078   |
| <b>Country</b>                                 | : Cambodia  |
| <b>Lead Partner</b>                            | : Peace and Development Aid Organization (PDAO)                             |
| <b>Partners</b>                                | : Association for Peace and Progress of Farmers in Kampot Province (SSDKKP) |
| <b>Total Project Cost</b>                      | : € 102,077.59  |
| <b>EEP Financing (% to total project cost)</b> | : € 79,947.96 (78.32%)  |
| <b>Technical Focus</b>                         | : Solar   |
| <b>Activity</b>                                | : Demonstration   |
| <b>Duration</b>                                | : 10 months   |



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## Innovation and Knowledge Transfer

The integration of the concept of sustainable approaches, entrepreneurship, technical innovation, leadership and climate change in a rural community is a new model.

The project will offer training on the new technology and business administration. It will become a learning center, which provides a good model in terms of contributions, cooperation/partnership and ownership among citizens, authorities and all stakeholders.



Commune Level Project Launching Celebration. The event took place on 21 October 2011 at Takaen Commune, Chhouk District, Kampot Province.

### For more information:

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